

**OFFICE OF THE PRINCIPAL
CHANDERNAGORE COLLEGE**

THIS FILE CONTAINS THE CURRICULUM PLANNING OF
VARIOUS UNDERGRADUATE AND POSTGRADUATE
COURSES AND PROGRAMMES OF CHANDERNAGORE
COLLEGE FOR THE ACADEMIC SESSION 2022-23.



Principal
Chandernagore College

Principal
Chandernagore College
Govt. of W.B

Chandernagore College, Bengali Department

Academic Calender, Session –2022-2023

U.G 1st Sem, 2nd Sem, 3rd Sem, 4th Sem, 5th Sem, 6th Sem & PG 1st, 2nd, 3rd & 4th Sem

Name of the Teacher & Designation	Title of the Teaching Assignments	Dividing the Assignments into Number of Units	Approximate Number of Classes Required for dealing with each unit	Total Approximate Number of Classes required for Completing the Assignment	Remarks
Dr. Prof. Sangeeta Tripathi Mitra (Professor)					
UG(Hons), 1st Sem	Bangla Sahityer Itihas (Prachin & Madhyayug) (partial) (CC-1)	1/5	6	168	
2nd Sem					
3rd Sem	Bangla Sahityer Itihas (1801-1950) Probondho (partial) (CC-5)	1/5	6		
4th Sem	Rabindranather Kabita (partial) (CC-8)	½	15		
5th Sem	Unish Shotoker Bangla Probondho (DSE- 1) (partial)	½	15		
6th Sem	Ingreji Sahityer Itihas (partial) (CC-13)	½	15		
PG 1st Sem	Amar Jibon- Rasasundari Dasi (CC- 104/1)	1	30		
2nd Sem	Galpo Guchchho (CC-203/1), Sunandar Journal- Narayan Gangopadhyay (CC-205/2)	1.5	45		
3rd Sem	Bangla Sahityer Itihas- 19 th century (probondho) (partial) (CC-301/1)	1/5	6		
4th Sem	Chhondotattwa O Bangla Chhonder Itihas (CC-402/2)	1	30		

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<i>Name of the Teacher</i>	<i>Title of the Teaching Assignments</i>	<i>Dividing the Assignments into Number of Units</i>	<i>Approximate Number of Classes Required for dealing with each unit</i>	<i>Total Approximate Number of Classes required for Completing the Assignment</i>	<i>Remarks</i>
Dr. Swapan Kumar De (Associate Professor)					
UG Hons, 1 st Sem	Bangla Sahityer Itihas (Prachin & Madhyayug) (partial) (CC-1), Chhondo (partial) (CC-2)	0.7	21	232	
2 nd Sem					
3 rd Sem	Bhashatattwa (CC-6)	½	15		
4 th Sem					
5 th Sem	Probondho Sankalan (CC-12)	1	30		
6 th Sem	Sahityer Rup-Reeti (partial) (CC-14)	1/3	10		
PG 1 st Sem	Bangla Sahityer Itihas (10 th – 15 th century) (CC-101/1)	1	30		
2 nd Sem	Bangla Sahityer Itihas (16 th -18 th century) (CC-201), Prachin Bharotiyo Sahityatattwa (CC-205/1)	2	60		
3 rd Sem	Bangla Sahityer Itihas(19 th century)- Kabya (CC-301/1), Katha Sahityo: Gothon Baishishtyo o bichar poddhoti (CC-303/1)	1.2	36		
4 th Sem	Tanaporen- Samaresh Basu (CC-403/2)	1	30		

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Subrata Roy Chowdhury (Associate Professor)					
UG Hons, 1 st Sem	Chhondo (partial) (CC-2)	½	15	222	
2 nd Sem	Shaktopodaboli (partial) (CC-3)	½	15		
3 rd Sem	Bangla Sahityer Itihas (1801-1950) (partial) (CC-5)	1/5	6		
4 th Sem	Adhunik Bangla Kabita (partial) (CC-8)	1/2	15		
5 th Sem	Unish Shotoker Kabyo o Probondho (partial) (DSE- 1)	½	15		
6 th Sem	Sahityer Sangrup (Kobita) (partial) (CC-14), Sahitya Bishoyok Probondho (DSE-4)	0.7	21		
PG 1 st Sem	Rabindra somokaler Bangla Kobita (CC-103/2)	1	30		
2 nd Sem	Adhunik Kobita (Jibonananda Dash) (CC-202/2), Rabindra Somokal o Uttorkaler Godyo (partial) (CC-205/2)	1.5	45		
3 rd Sem	Roktokorobi (CC-302/1)	1	30		
4 th Sem	Sahityer Pothe (CC-401/2), Adhunik Bangla Golpo (partial) (CC-404/2)	1	30		

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U.G 1st Sem, 2nd Sem, 3rd Sem, 4th Sem, 5th Sem, 6th Sem & PG 1st, 2nd, 3rd & 4th Sem

<i>Name of the Teacher</i>	<i>Title of the Teaching Assignments</i>	<i>Dividing the Assignments into Number of Units</i>	<i>Approximate Number of Classes Required for dealing with each unit</i>	<i>Total Approximate Number of Classes required for Completing the Assignment</i>	<i>Remarks</i>
Dr. Indrani Goswami (Assistant Professor)					
UG Hons, 1 st Sem	Olonkar (partial) (CC-2)	½	15	261	D.O.J-7.6.2022
2 nd Sem	Nil				
3 rd Sem	Bangla Sahityer Itihas (1801-1950) (partial) (CC-5) Byakaran (SEC-1)	1.5	45		
4 th Sem	Rachanashaktir Naipunya (SEC-2)	1	30		
5 th Sem	Galpaguchchha- Rabindranath (partial) (CC-11)	½	15		
6 th Sem	Sahityer Sangrup (Natok) (partial) (CC-14), Sahitya Bishoyok Probondho (partial) (DSE-4)	0.7	21		
PG 1 st Sem	Probondho Path (CC-105/2)	1	30		
2 nd Sem	Chadimangal- Mukundaram Chakraborty (CC-202/1)	1	30		
3 rd Sem	Aranyer Adhikar- Mahasweta Devi (CC-301/2)	1	30		
4 th Sem	Patrapatrika o Sahitya- andolan (partial) (CC-402/1) Gobeshona Sondorbho (CC-402/2)	1.5	45		

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U.G 1st Sem, 2nd Sem, 3rd Sem, 4th Sem, 5th Sem, 6th Sem & PG 1st, 2nd, 3rd & 4th Sem

<i>Name of the Teacher</i>	<i>Title of the Teaching Assignments</i>	<i>Dividing the Assignments into Number of Units</i>	<i>Approximate Number of Classes Required for dealing with each unit</i>	<i>Total Approximate Number of Classes required for Completing the Assignment</i>	<i>Remarks</i>
Dr. Ranku Das (Associate Professor)					
UG Hons 1 st Sem	Bangla Sahityer Itihash (Prachin & Madhyayug) (partial) (CC-1)	¼	8	215	
2 nd Sem	Baishnab Padabali (partial) (CC-3)	½	15		
3 rd Sem	Bangla Sahityer Itihas (1801-1950) Katha Sahitya (CC-5)	1/5	6		
4 th Sem	Sharadotsav- Rabindranath Tagore (CC-10)	1	30		
5 th Sem	Ekaler Golpo (CC-11)	1	30		
6 th Sem	Sahityer Sangrup (Upanyas) (CC-14)	1/5	6		
PG 1 st Sem	Chitra (CC-103/1)	1	30		
2 nd Sem	Rabindra poroborti bangla chhotogolpo (CC-203/2)	1	30		
3 rd Sem	Jagori- Satinath Bhaduri (CC-304/2)	1	30		
4 th Sem	Premendra Mitrer Shreshto Golpo(CC-404/1)	1	30		

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U.G 1st Sem, 2nd Sem, 3rd Sem, 4th Sem, 5th Sem, 6th Sem & PG 1st, 2nd, 3rd & 4th Sem

<i>Name of the Teacher</i>	<i>Title of the Teaching Assignments</i>	<i>Dividing the Assignments into Number of Units</i>	<i>Approximate Number of Classes Required for dealing with each unit</i>	<i>Total Approximate Number of Classes required for Completing the Assignment</i>	<i>Remarks</i>
Dr. Swarup Bose (Associate Professor)					
UG Hons 1 st Sem	Bangla Sahityer Itihash (Prachin & Madhyayug) (partial) (CC-1)	1/5	6	258	
2 nd Sem	Baishnab Podaboli (partial) (CC-3)	½	15		
3 rd Sem	Bangla Sahityer Itihas (1801-1950)- Natok (CC-5)	1/5	6		
4 th Sem	Neeldarpan- Dinabandhu Mitra (CC-10)	1	30		
5 th Sem	Unish Shotoker Bangla Natok (DSE-2)	1	30		
6 th Sem	Sanskrit Sahityer Itihas (CC-13)	1	30		
PG 1 st Sem	Bishobrikkho- Bankimchandra Chattopadhyay (CC- 104/2)	1	30		
2 nd Sem	Jona- Girishchandra Ghosh (CC-204/1), Pather Panchali (CC-204/2)	2	60		
3 rd Sem	Bangla Sahityer itihash- 19 th century (partial), Tiner Talwar- Utpal Dutta	1.2	36		
4 th Sem	Bangla Sahityer Itihas (20 th century) (partial) (CC-401/1)	½	15		

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Shelly Mukherjee (Assistant Professor)					
UG Hons, 1 st Sem	Bangla Sahityer Itihash (Prachin & Madhyayug) (partial) (CC-1)	1/5	6	306	
2 nd Sem	Annadamangal (partial) (CC-4)	½	15		
3 rd Sem	Saradamongol – Biharilal Chakraborty (CC-7)	1	30		
4 th Sem	Gonodebota (CC-9)	1	30		
5 th Sem	Galpaguchchha- Rabindranath (partial) (CC-11)	½	15		
6 th Sem	Bish Shotoker (Swadhinota Purbo) Bangla Golpo (DSE-3)	1	30		
PG 1 st Sem	Meghnadbodh Kabyo –Michael madhusudan Dutta (CC-102/2)	1	30		
2 nd Sem	Padmavati- Syed Alaol (CC-202/1), Dhatridebota- Tarashankar Bandyopadhyay (CC-204/2)	2	60		
3 rd Sem	Samajik rajnoitik orthonoitik prekkhite bangla kothasahitya (CC-303/1), Ekoda- Gopal Halder (CC-304/1)	2	60		
4 th Sem	Kinu Goyaler Goli – Santoshkumar Ghosh (CC-403/1)	1	30		

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Smt. Soumi Chatterjee (Assistant Professor)					
UG Hons 1 st Sem	Bangla Sahityer Itihash (Prachin & Madhyayug) (partial) (CC-1)	1/5	6	291	
2 nd Sem	Onnodamongol (partial) (CC-3)	½	15		
3 rd Sem	Birangona Kabya (CC-7)	1	30		
4 th Sem	Adhunik Bangla Kabita (partial) (CC-8)	½	15		
5 th Sem	Kabya Jigyasa (CC-12)	1	30		
6 th Sem	Loksahitya (DSE-4)	0.5	15		
UG Gen, 1 st sem	Probondho Sahitya – Bankimchandra o Rabindranath (partial) (GE-1)	0.5	15		
UG 2 nd Sem	Golpo: Saratchandra Chattopadhyay (GE-II)	0.5	15		
PG 1 st Sem	Shrikrishnakirtan- Baru Chondidas (CC-102/1), Unish shotoker bangla geetikobita (CC-102/2)	1	30		
2 nd Sem	Adhunik Kaaler Kobita (CC-202/2), Adhunik Sahityatattwa (partial) (CC-205/1)	1.5	45		
3 rd Sem	Kobor- Munir Chowdhury	1	30		
4 th Sem	Anubad Tattwa o Anubad Sahitya Path (CC-402/1), Adhunik Bangla Golpo (partial) (CC-404/2)	1.5	45		

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Dr. Santanu Mondal (Assistant Professor)					
UG Hons, 1 st Sem	Chhanda (partial) (CC-2)	½	15	301	D.o.J. 5.8.2022
2 nd Sem					
3 rd Sem	Bangla Sahityer Itihas (1801-1950)- Probondho (CC-5) (partial)	1/5	6		
4 th Sem	Chandrashekar- bankimchandra Chattopadhyay (CC-9)	1	30		
5 th Sem	Galpaguchchha- Rabindranath (partial) (CC-11)	½	15		
6 th Sem	Sahityer Rup-Reeti (partial), Sahityer Sangrup Sonkranto Dharon (partial) (CC-14)	1/3	10		
UG Gen 2 nd Sem	MIL (AECC-II)	1	30		
PG 1 st Sem	Nobobabubilas- Bhabanicharan Bandyopadhyay (CC-104/1), Charchapad (CC-102/1)	2	60		
2 nd Sem	Lipika- Rabindranath Tagore (CC-203/2)	1	30		
3 rd Sem	Chand baniker Pala- Shambhu Mitra (CC- 302/2), Jugantar (CC-303/2)	2	60		
4 th Sem	Bangla Sahityer itihis (20 th century (partial) (CC-401/1), Bangla Mojleesi Golpo (CC-404/1)	1.5	45		

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Rubaiya Sultana (Assistant Professor)					
UG Hons, 1 st Sem				180	D.O.J. 17.11.2022
2 nd Sem	Ramayana (CC-4)	1	30		
3 rd Sem					
4 th Sem	Rabindranather Kobita (partial) (CC-8)	½	15		
5 th Sem					
6 th Sem	Bish shotoker Swadhinota Purboborti Bangla Golpo (DSE-3), Loksahitya (partial) (DSE-4)	1.5	45		
PG 1 st Sem					
2 nd Sem	Gora- Rabindranath Tagore (CC-203/1)	1	30		
3 rd Sem					
4 th Sem	Kalantar – Rabindranath Tagore (CC-401/2), Asomay – Bimal Kar	2	60		

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Smt. Sheila Rani Basak (Assistant Professor)					
UG Hons, 1 st Sem				150	D.O.J.- 14.12.2022
2 nd Sem	Shakto podaboli (partial) (CC-3)	½	15		
3 rd Sem					
4 th Sem	Rachanashaktir Naipunya(partial) (SEC-2)	½	15		
5 th Sem					
6 th Sem	Ingreji Sahityer Itihas (partial) (CC-13)	½	15		
UG Gen, 2 nd Sem	Bhashatattwa (partial) (GE-4)	½	15		
PG 1 st Sem					
2 nd Sem	Bhashatattwa (CC-201/2), Rabindra Somokal o Uttorkaler Godyo (partial) (CC-205/2)	1.5	45		
3 rd Sem					
4 th Sem	Patrapatrika o Sahitya- andolan (partial) (CC-402/1), Prothom Pratishruti-Ashapuran Devi (CC-403/1)	1.5	45		

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Mousumi Bannerjee (SACT)					
UG Gen 1 st Sem	Probondho Sahitya – Bankimchandra o Rabindranath (partial) (GE-1)	0.5	15	120	
2nd Sem	Golpo- Sharatchandra (GE-II)	2	60		
	MIL (Sc, Com, Arts), AE CC-II				
3 rd Sem	Bangla Sahityer Itihas (GE-3)	1	30		
4 th Sem	Bhasataty (Partial) (GE4)	0.5	15		

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Santanu Bej (SACT)					

		<i>Number of Units</i>	<i>for dealing with each unit</i>	<i>required for Completing the Assignment</i>	
UG Gen. 1 st Sem	Probondho Sahitya – Bankimchandra o Rabindranath (partial) (CC-1A) (partial)	0.5	15	240	
2 nd Sem	Golpo- Prabhatkumar Mukhopadhyay (CC-1B))	1	30		
	MIL , AECC-II	0.5	15		
3 rd sem	Bangal Sahityer Itihas (CC-1C) (Partial), Bangla Bayakaran (SEC-1) (Partial)	1.5	45		
4 th Sem	Bhasataty (Partial) (CC-1D), Rachanashaktir Naypunya (SEC-2)	1.5	45		
5 th Sem	Unish sataker Bangla Upanyas/galpo (DSE-1A) (partial), Prabandha Pratibedan Rachana (SEC-3) (partial)	1.5	45		
6 th Sem	Unish sataker Bangla Natok/ Pabandha (DSE-1B) (partial), Babaharik Bangla Charcha O AnubadCharcha (SEC-4) (partial)	1.5	45		

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Aparna Bandhu Sinha (SACT)					
UG Gen. 1 st Sem	Probondho Sahitya – Bankimchandra o Rabindranath (partial) (CC-1A) (partial)	0.5	15	240	
2 nd Sem	Golpo- Prabhatkumar Mukhopadhyay (CC-1B)	1	30		
	MIL , AECC-II	0.5	15		
3 rd sem	Bangal Sahityer Itihas (CC-1C) (Partial), Bangla Bayakaran (SEC-1) (Partial)	1.5	45		
4 th Sem	Bhasataty (Partial) (CC-1D), Rachanashaktir Naypunya (SEC-2)	1.5	45		
5 th Sem	Unish sataker Bangla Upanyas/galpo (DSE-1A) (partial), Prabandha Pratibedan Rachana (SEC-3) (partial)	1.5	45		
6 th Sem	Unish sataker Bangla Natok/ Pabandha (DSE-1B) (partial), Babaharik Bangla Charcha O AnubadCharcha (SEC-4) (partial)	1.5	45		

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ENGLISH				
NAME OF THE TEACHER: NIRANJAN GOSWAMI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 1 – Indian Classical Literature	Banabhatta - Kadambari	Chapter I	August - September	9
CC 1 – Indian Classical Literature	Banabhatta - Kadambari	Chapter II	September	9
CC 1 – Indian Classical Literature	Rasa Theory	Alamkara	October - November	4
CC 2 – European Classical Literature	Ovid, Metamorphoses	Bacchus, Book III	December - February	10

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 7 – British Poetry and Drama (17 th -18 th Centuries)	John Milton	Paradise Lost (Book I)	August - September	20
CC 7 – British Poetry and Drama (17 th -18 th Centuries)	Thomas Dekker	The Shoemakers’ Holiday	October - December	18
GE 3 – Contemporary India: Women and Empowerment	Social Construction of Gender	Masculinity, Femininity, Patriarchy, Sex and Gender, Gender Socialization, Gender Discrimination, Gender Stereotyping	October - December	15
GE 3 – Contemporary India: Women and Empowerment	Nivedita Menon, Aswini Sukthankar	Sexualities, Complicating Gender	November	10
GE 3 – Contemporary India: Women and Empowerment	Sudhir Chandra	Prologue	November - December	10

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC XI – Women’s Writing	Short Story	Katherine Mansfield, Bliss	August	6
CC – XII – British Literature (Early 20 th Century)	Novel	James Joyce, A Portrait of the Artist as a Young Man	September - November	18
CC – XII – British Literature (Early 20 th Century)	Background Topics	Modernism, Postmodernism	November	6
DSE 1 – Modern Indian Writing in English Translation	Short Story	Premchand, The Shroud	November	6

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 3 – Indian Writing in English	Robin S. Ngangom	A Poem for Mother	July	04
CC-4 – British Poetry, Drama (16 th -17 th centuries), Rhetoric and Prosody	William Shakespeare	Macbeth	March - July	25
CC-4 – British Poetry, Drama (16 th -17 th centuries), Rhetoric and Prosody	Renaissance Background topics	Humanism, Stage and Audience, Religious and Political Thought	July	6

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[illegible]

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[illegible]

[illegible]

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: English				
NAME OF THE TEACHER: Abin Chakraborty				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - II: European Classical Literature	Sophocles: Oedipus the King		August	2
			September	6
CC - I: Indian Classical Literature	Kalidasa: <i>Abhijnana Shakuntalam</i>		November	8
CC - I: Indian Classical Literature	Kalidasa: <i>Abhijnana Shakuntalam</i>		December	6
CC-1A : POETRY & SHORT STORY	John Keats – “Bright Star”		September	2

CC-1A : POETRY & SHORT STORY	Wilfred Owen – “Strange Meeting”		September	3
CC-1A : POETRY & SHORT STORY	Charles Lamb – “Dream Children”		November	3
CORE COURSE : (L1---1) Language, Variety and Stylistics	1. Language & Communication – distinctness of human language		September	2
CORE COURSE : (L1---1) Language, Variety and Stylistics	2. Language varieties – Standard & Non-standard Language,		November	2
CORE COURSE : (L1---1) Language, Variety and Stylistics	3. Difference between Declarative and Expressive forms of		December	2
CORE COURSE : (L1---1) Language, Variety and Stylistics	language – when Statement becomes Expression		January	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - V: American Literature	a) Anne Bradstreet: ‘The Prologue’		July	2
	b) Walt Whitman: ‘Passage to India’ (lines 1– 68) c) Alexie Sherman Alexie: ‘Crow Testament		August	6
CC - VI: Popular Literature	L. Frank Baum: <i>The Wonderful Wizard of Oz (ND)</i>		August	2
	2. Agatha Christie: <i>The Murder of Roger Ackroyd</i>		September	8
	Lewis Carroll: <i>Alice’s Adventures in Wonderland (ND)</i>		November	2
			December	6
CC - VII: British Poetry and Drama (17 th – 18 th Centuries)	Aphra Behn: Oroonoko		November	4

SEC - 1 A: Translation Studies	Exercises to comprehend: Equivalence in translation, Structures, equivalence between the SL & TL at the lexical (word) and syntactical (sentence) levels. This will be done through tasks of retranslation and recreation, and making comparative study of cultures and languages.		September	6
CORE COURSE: (L1---2) Language, Imagination & Creativity	1. Plain Language and Figurative Language (Related Tropes like Metaphor, Conceit, Metonymy)		August	2
CORE COURSE: (L1---2) Language, Imagination & Creativity	2. Language and Emotion – Hyperbole, Pathetic Fallacy, Irony, Understatement 3. Escape from Banality – Foregrounding devices like Parallelism & Deviation		September	4
CORE COURSE: (L1---2) Language, Imagination & Creativity	4. Avoiding/ Cultivating Ambiguity – Ambiguity: Weakness or Strength		December	4

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - XI: Women’s Writing	Eunice De Souza. ‘Advice to Women’, ‘Bequest’.		July	2
	Rassundari Debi:Amar Jiban (Excerpts in Susie Tharu and K. Lalita, eds.,Women’s Writing in India, vol. 1 (New Delhi: OUP, 1989 pp. 191–2) (ND)		August	4
	Mahasweta Devi: “Draupadi” (Tr. Gayatri Spivak, Seagull Publishers, Kolkata		August	6
CC - XII: British Literature (Early 20th Century)	John Osborne: Look Back in Anger		September	6
			November	2
DSE - 1 A: Modern Indian Writing in English Translation	M.K. Gandhi:Hind Swaraj.(Tr. Anthony Parel. ‘Swaraj’, ‘Passive Resistance’ and ‘Education’)		August	6
			September	2

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - III: Indian Writing in English	Anita Desai: <i>Clear Light of Day</i>		March	4
			April	4
	Mahesh Dattani: <i>Bravely Fought the Queen</i> (ND)		April	2
			May	4
CC - IV: British Poetry, Drama (16 th – 17 th Centuries) & Rhetoric and Prosody	Rhetoric and Prosody		May	8
CC – 1B : ESSAY, DRAMA & NOVEL	George Orwell – “Shooting an Elephant’		April	2
			May	2
	R. K. Narayan – “A Library without Books”		May	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - VIII: British Literature (18 th Century)	William Congreve: <i>The Way of the World</i> (ND)		March	4
			April	6
CC - IX: British Romantic Literature	P.B. Shelley: ‘Ode to the West Wind’, ‘Ozymandias’		April	4
	John Keats” Ode to a Nightingale and Ode to Autumn		May	4
CC - X: British Literature (19 th Century)	Thomas Hardy: <i>Return of the Native</i> (ND)		June	8
SEC - 2 B: Film Studies	Cinematographi c Technique: Panning of the Camera, Zooming, Fade in, Fade Out, Flashback, Close up, Long Shot, Reverse Shot. Adaptation and Appropriation		April	8

CC – 1D : ACADEMIC WRITING AND COMPOSITION	Structuring an Argument: Introduction, Interjection, and Conclusion		April	4
	Citing Resources, Editing, Book and Media Review		May	4

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - XIII: Modern European Drama	Henrik Ibsen: A Doll’s House		February	8
CC - XIV: Postcolonial Literatures	Salman Rushdie: Haroun and the Sea of Stories		March	10
	Mahasweta Devi:The Arrow of Chotti Munda (Tr. Gayatri Spivak, Seagull Publishers) (ND)		April	8
DSE –3 A: Literary Theory	Postcolonial Studies	Genealogy and definition; Scope and relevance in textual reading; Major theorists;Key terms (any 4) Imperialism and Colonialism, Orientalism, Nation and Nationalism, Diaspora	May	12
DSE –4 A: Literary Criticism and History of the English Language	History of the English Language.	History of the English Language. a) Evolution of the English language(Semantic Change, Standardization, Outgrowing Gender Bias) b) Event, Translation, Individual contribution and the English language (Christianization, Bible, Shakespeare) c) Enrichment of the English language (Latin, French& Scandinavian Influences and the Influence of Science and Technology) d) Expansion of Vocabulary &Branching Off (Word Formation, Indian English & American English)	May	4
			June	6

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ENGLISH				
NAME OF THE TEACHER: AVISHEK BHATTACHARYA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - I: Indian Classical Literature	Sudraka: <i>Mrcchakatika</i>		AUGUST - NOVEMBER	16
CC - II: European Classical Literature	Plautus: <i>Pot of Gold</i>		NOVEMBER - JANUARY	16
CC-1A : POETRY & SHORT STORY	William Shakespeare: Sonnet 116		SEPTEMBER	4
CC-1A : POETRY & SHORT STORY	William Wordsworth: “A Slumber did my Spirit Seal”		OCTOBER	2

CC-1A : POETRY & SHORT STORY	William Wordsworth: “A Slumber did my Spirit Seal”		NOVEMBER	2
CC-1A : POETRY & SHORT STORY	H. E. Bates – “The Ox”		DECEMBER & JANUARY	7
CORE COURSE : (L1---1) Language, Variety and Stylistics	1. Language & Communication – distinctness of human language 2. Language varieties – Standard & Non-standard Language, 3. Difference between Declarative and Expressive forms of language – when Statement becomes Expression		SEPTEMBER - JANUARY	14
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - V: American Literature	Edgar Allan Poe: ‘The Purloined Letter’		JULY & AUGUST	6
CC - V: American Literature	Tennessee Williams: <i>The Glass Menagerie</i>		AUGUST & SEPTEMBER	16

CC - VI: Popular Literature	2. Agatha Christie: <i>The Murder of Roger Ackroyd</i>		OCTOBER - DECEMBER	16
SEC - 1 A: Translation Studies	Introducing basic concepts and terms used in Translation Studies through relevant tasks: Equivalence, Language variety, Dialect, Idiolect, Register, Style, Mode, Code mixing/Switching.		DECEMBER	6
CORE COURSE: (L1--- 2) Language, Imagination & Creativity	1. Plain Language and Figurative Language (Related Tropes like Metaphor, Conceit, Metonymy) 2. Language and Emotion – Hyperbole, Pathetic Fallacy, Irony, Understatement 3. Escape from Banality – Foregrounding devices like Parallelism & Deviation 4. Avoiding/ Cultivating Ambiguity – Ambiguity: Weakness or Strength		JULY - DECEMBER	16
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - XII: British Literature (Early 20th Century)	W.B. Yeats: 'The Second Coming'		JULY & AUGUST	4
CC - XII: British Literature (Early 20th Century)	'Leda and the Swan'		AUGUST	4
CC - XI: Women's Writing	Jean Rhys: <i>Wide Sargasso Sea</i> (ND)		AUGUST & SEPTEMBER	16
CC - XI: Women's Writing	Ramabai Ranade: 'A Testimony of our Inexhaustible Treasures', in <i>Pandita Ramabai: Through Her Own Words: Selected Works</i> , tr. Meera Kosambi (New Delhi: OUP, 2000) pp. 295–324 (ND)		SEPTEMBER	5
DSE - 1 A: Modern Indian Writing in English Translation	Tagore: <i>Gora</i> (tr. Sujit Mukerjee, Sahitya Akademi publishers, New Delhi) (ND)		SEPTEMBER	9
DSE - 1 A: Modern Indian Writing in English Translation	Tagore: Streer Patra (tr. Supriya Chaudhuri Oxford Book of Tagore's Short Stories New Delhi: Penguin) Books, 2009. (ND))		SEPTEMBER	2
DSE–2: A: Partition Literature	Khushwant Singh: <i>Train to Pakistan</i> (ND)		OCTOBER	6

DSE–2: A: Partition Literature	Dibyendu Palit: ‘Alam's Own House’, tr. Sarika Chaudhuri in <i>Bengal Partition Stories: An Unclosed Chapter</i> , ed. Bashabi Fraser (London: Anthem Press, 2008) pp. 453–72.		OCTOBER	2
DSE–2: A: Partition Literature	Dibyendu Palit: ‘Alam's Own House’, tr. Sarika Chaudhuri in <i>Bengal Partition Stories: An Unclosed Chapter</i> , ed. Bashabi Fraser (London: Anthem Press, 2008) pp. 453–72.		NOVEMBER	1
DSE–2: A: Partition Literature	Manik Bandhopadhyay: ‘The Final Solution’, tr. Rani Ray, <i>Mapmaking: Partition Stories from Two Bengals</i> , ed. Debjani Sengupta (New Delhi: Srishti, 2003) pp.23–39		NOVEMBER	3
DSE–2: A: Partition Literature	Saadat Hasan Manto: “Toba Tek Sing”, in <i>Black Margins: Manto</i> , tr. M.Asaduddin (New Delhi:		NOVEMBER	4

	Katha, 2003) pp. 212–20			
DSE–2: A: Partition Literature	Lalithambika Anantharajanam: ‘A Leaf in the Storm’, tr. K. Narayana Chandran, in <i>Stories about the Partition of India</i> ed. Alok Bhalla (New Delhi: Manohar, 2012)		NOVEMBER	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - III: Indian Writing in English	Kamala Das: ‘Introduction’		MARCH	8

CC - III: Indian Writing in English	H.L.V. Derozio: 'Freedom to the Slave'		MARCH	6
CC - IV: British Poetry, Drama (16th – 17th Centuries) & Rhetoric and Prosody	William Shakespeare: 'Sonnet No. 18'		APRIL	6
CC - IV: British Poetry, Drama (16th – 17th Centuries) & Rhetoric and Prosody	'Sonnet no. 116'		APRIL	4
CC - IV: British Poetry, Drama (16th – 17th Centuries) & Rhetoric and Prosody	William Shakespeare: <i>Twelfth Night</i> (ND)		APRIL - JUNE	16
CC – 1B: ESSAY, DRAMA & NOVEL	Ernest Hemingway – <i>The Old Man and the Sea</i> (ND)		MARCH - JUNE	12
AECC – II (Communicative English/ MIL)	Introduction: • Theory of Communication, • Types and modes of Communication 1. Language of Communication: • Verbal and Non-verbal (Spoken and Written) • Personal, Social and Business • Barriers and Strategies • Intra-personal, Inter-personal and Group Communication 2. Speaking Skills: • Monologue • Dialogue • Group Discussion • Effective		MARCH - JULY	12

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - X: British Literature (19 th Century)	Charlotte Bronte: <i>Jane Eyre</i>		MARCH	16
CC - IX: British Romantic Literature	Jane Austen: <i>Pride and Prejudice</i> (ND)		APRIL	16
CC - VIII: British Literature (18 th Century)	Thomas Gray: <i>‘Elegy’</i>		MAY	10
CC - VIII: British Literature (18 th Century)	William Collins: <i>‘Ode to Evening’</i>		MAY	8
SEC - 2 B: Film Studies	Cinematographic Technique: Panning of the Camera, Zooming, Fade in, Fade Out, Flashback, Close up, Long Shot, Reverse Shot.		JUNE	4
CC – 1D: ACADEMIC WRITING AND COMPOSITION	Critical Thinking: Syntheses, Analyses, and Evaluation		MARCH - JUNE	10

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - XIV: Postcolonial Literatures	Chinua Achebe: <i>Things Fall Apart (ND)</i>		FEBRUARY& MARCH	16
CC - XIII: Modern European Drama	Eugene Ionesco: <i>Rhinoceros (ND)</i>		MARCH & APRIL	14
DSE –3 A: Literary Theory	Marxism: Genealogy and definition; Scope and relevance in textual reading; Major theorists; Key terms Class, Base and Superstructure, Dialectics, Interpellation,		APRIL & MAY	16
DSE –4 A: Literary Criticism and History of the English Language	William Wordsworth. <i>Preface to the Lyrical Ballads (1802).</i>		MAY	6
DSE –4 A: Literary Criticism and History of the English Language	S. T. Coleridge. <i>Biographia Literaria.</i> Chapter XIV		MAY	6

CC - XIII: Modern European Drama	David Malouf: 'Revolving Days'		JUNE	6
CC - XIII: Modern European Drama	Mamang Dai: 'Small Towns and the River'		JUNE	6

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CURRICULUM PLAN				
SUBJECT: ENGLISH				
NAME OF THE TEACHER: Dr.Ketaki Datta				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNITc NAME	MONTH	NUMBER OF CLASSES
CC1 Indian Classical Literature	Vyasa:The Book of the Assembly Hall in The Mahabharata	Alankara and Rasa, The incident and its implication	NOVEMBER '22	4

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERIC ELECTIVE		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC V American Literature	The Crack-up by F.Scott Fitzgerald	Narration and Explanation	November '22	4
Do	Passage to India (lines 1- 68)by Walt Whitman & Question of Form in American Poetry	Explanation and topic- wise discussion	November '22	6
CCVI Popular Literature	Tintin in Tibet by Herge	Why we are reading Tintin?Significance of the text, narrated graphically.	November '22	6
GE3 Contemporary India:Women and Empowerment	The Reluctant Debutante, Chapter 4 By Gholam Murshed	The Role and Position of Woman in the pre- Independence India	December '22	4
Do Women and Violence	Karukku(ND) By Bama Faustian Soosairaj	Caste discrimination and meaningless torture on an ascetic woman	January '23	4

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CCXI Women’s Writing	Daddy by Sylvia Plath	Why is Daddy a confessional poem?	November ‘22	4
Do	A Vindication of the Rights of Woman (ND)by Mary Wollstonecraft	Nitty gritty of woman’s liberation movement by asserting their rights	November ‘22	6
Do	Bliss by Katherine Mansfield	Symbols in Nature Betrayal of human relationships	December’22	4
CC XII British Literature(Early 20 th Century)	Mrs.Dalloway by Virginia Woolf	Pscyoanalysis and the Stream of Consciousness in Woolf’s novel	December ‘22	5
DSE 1 Modern Indian Writing in Translation	All 4 poems by Rabindranath Tagore as in syllabus	Philosophy of Life as evinced in Tagore’s poems, Whether original beauty is lost in translation	December ‘22	4

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/Generic Elective		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CCIII Indian Writing in English	The Night of the Scorpion by Nissim Ezekiel	Superstition and Motherhood in Indian villages	January ‘23	2
CCIV British Poetry and Drama(16 th and 17 th Centuries)	Edward II By Christopher Marlowe (ND)	Same Sex love and its impact on ruling an Empire	Januaryand February ‘23	8
GE2 Essay, Drama, Novel	An Inspector Calls by J.B.Priestley	The Inspector representing Human Conscience	February ‘23	4

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC VIII British Literature(18 th Century)	Gulliver’s Travels(Books I and II) By Jonathan Swift	Symbol and Society	January ‘23	5
CC IX British Romantic Literature	Kubla Khan By S.T. Coleridge	Romantic Imagination	February ‘23	2
Do	The Lamb,The Tyger, The Chimney- Sweeper(Songs of Innocence) The Chimney- Sweeper(Songs of Experience)	Blake and Romantic Lyric, Blake as the First Romantic	February ‘23	4
CC X British Literature(19 th Century)	Hard Times(ND) By Charles Dickens	Clash of Reason and Imagination in the Victorian Society	March 23	6
Do	Goblin Market by Christina Rossetti	Consumerist Society and the women Faith and Doubt	March 23	6
GE 4 Academic Writing	Citing Resources, Editing, Book Review and Media Review	Differences among these 4 topics	March ‘23	5

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DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CCXIII Modern European Drama	Waiting for Godot By Samuel Beckett	The Theatre of the Absurd	December ‘22	7
DSE3 Literary Theory	Poststructuralis m	Fragmentation of Structuralism, giving rise to post-	December ‘22	8
DSE4 Literary Criticism and History of the English Language	Essay on Criticism By Alexander Pope	Responsibilities of a True Critic	January ‘23	8
Do	Culture and Anarchy by Matthew Arnold	The four divisions of a cultured society	February ‘23	8

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ENGLISH				
NAME OF THE TEACHER: ANANTA KHANRA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-II : Course Title: European Classical Literature	Illiad- book –I&II	1.Characteristics of an epic 2.Illiad as an epic	December, 2022	2 2
CC-II : Course Title: European Classical Literature	Illiad- book –I&II	3.Use of epic similes 4. Achilles as hero	January,2023	2 2
CC-II : Course Title: European Classical Literature	Illiad- book –I&II	5. The quarrel between Agamemnon and Achilles	January,2023	2
CC-II : Course Title: European Classical Literature	Illiad- book –I&II	6.Greek life-style and knowledge of warfare	January,2023	2

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DATE OF COMMENCEMENT OF CLASSES: 9.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / GENERIC		
SEMESTER: II				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Ability Enhancement Compulsory Course (AECC-2)	Communicative English	1.Communication and different types 2.Communicative barriers 3.Speaking skill 4.Modes of Effective Communication/miscom munication 5.Group Discussion 6. Interview 7.Diffenent type of letter writing	May and June 2023	1 1 1 1 1 1 2

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ ~~GENERIC~~		
SEMESTER-II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1B: Essay, Drama and Novel	Arms and the Man	1.Idea of Shavian Drama 2. Introduction to new realistic Theatre 3. Plotline of the Drama and reading out important portions 4. Character analysis 5.Discussion of major themes 7. Discussion of the drama as an anti-romantic drama	May and June,2023	1 1 1 1 1 1 1

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-III, Course Title- Indian Writing in English	Govinda Samanta or the History of Bengal Raiyat(ND)	1.Condition of widow at that time of rural Bengal 2. Practice of Sati	March,2023	2 2
CC-III, Course Title- Indian Writing in English	Govinda Samanta or the History of Bengal Raiyat(ND)	3.System of rural economy 4.Differnt types of ghost	March,2023	2 2
CC-III, Course Title- Indian Writing in English	Govinda Samanta or the History of Bengal Raiyat(ND)	5. Village caste system 6. Village astrologer	March,2023	2 2
CC-III, Course Title- Indian Writing in English	Govinda Samanta or the History of Bengal Raiyat(ND	7.Village matchmaker 8. Women parliament in the then Bengal	April,2023	2 2

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-IX, British Romantic Literature	Tintern Abbey	1.An introduction to the genre of romantic poetry 2.Biography of the poet and circumstance of his writing poetry	March,2023	2 1
CC-IX, British Romantic Literature	Tintern Abbey	3.Reading out the poem and explanation 4. Wordsworth’s philosophy of poetry and poet’s attachment with nature 5. Tintern Abbey as a romantic poem	March,2023	2 2 1
CC-X, British Literature(19 th century)	Return of the Native (ND)	1. Introduction to the philosophy of life in Hardy’s novels. 2. Plot outline and reading out important portion from the novel	April,2023	2 2
CC-X, British Literature(19 th century)	Return of the Native (ND)	3.Significance of the title 4.Detailed Character analysis 5. Reflection of Hardy’s pessimism in novel	May,2023	1 2 2
CC-X, British Literature(19 th century)	Hard Times(ND)	1.Overview of Dickens’ novels and main social issues 2.Mechanisation of Human Beings 3.The problem of power and powerlessness in the novel	May,2023	2 1 1
CC-X, British Literature(19 th century)	Hard Times(ND)	4. Character analysis in the novel 5.Hard Times as a social novel		2 1

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-XIII, Course Title: Modern European Drama	A Doll’s House	1.General background of modern European Drama 2. Idea of Realistic Theatre 3. Reading out the text to the students	February and March,2023	2 1 8
CC-XIII, Course Title: Modern European Drama	A Doll’s House	5. Detailed character analysis 6. Throwing light on the status of women at that time	March,2023	2 2
CC-XIV, Course Title: Postcolonial Literature	Tonight I can write by Pablo Neruda	1.A brief introduction to the poet and the poem 2. Reading out the poem and explanation 3. As a love poem	April,2023	1 1 1
CC-XIV, Course Title: Postcolonial Literature	A far Cry From Africa	1.A brief introduction to the poet and the poem 2. Reading out the poem and explanation 3. As post-colonial poem	May,2023	1 1 1

[illegible]

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SANSKRIT				
NAME OF THE TEACHER: DEBBANI GHOSH				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 1 (CLASSICAL SANSKRIT LITERATURE – POETRY)	KIRĀTĀRJUNĪYAM (CANTO – I, 1-25 VERSES)	BASIC KNOWLEDGE OF POLITICS AND THE SOURCES OF THE MAHĀKĀVYA	AUGUST, 2022	04
CC 1 (CLASSICAL SANSKRIT LITERATURE – POETRY)	KIRĀTĀRJUNĪYAM (CANTO – I, 1-25 VERSES)	BASIC KNOWLEDGE OF POLITICS AND THE SOURCES OF THE MAHĀKĀVYA	SEPTEMBER, 2022	11
CC 1 (CLASSICAL SANSKRIT LITERATURE – POETRY)	KIRĀTĀRJUNĪYAM (CANTO – I, 1-25 VERSES)	BASIC KNOWLEDGE OF POLITICS AND THE SOURCES OF THE MAHĀKĀVYA	NOVEMBER, 2022	05
CC 1 (CLASSICAL SANSKRIT LITERATURE – POETRY)	THE HISTORY OF SANSKRIT LITERATURE	PRE-KĀLIDĀSA AND POST- KĀLIDĀSA KĀVYA LITERATURE	DECEMBER, 2022	08
CC 1 (CLASSICAL SANSKRIT LITERATURE – POETRY)	THE HISTORY OF SANSKRIT LITERATURE	PRE-KĀLIDĀSA AND POST- KĀLIDĀSA KĀVYA LITERATURE	JANUARY, 2023	09
CC 1 (CLASSICAL SANSKRIT LITERATURE – POETRY)	THE HISTORY OF SANSKRIT LITERATURE	PRE-KĀLIDĀSA AND POST- KĀLIDĀSA KĀVYA LITERATURE	FEBRUARY, 2023	03

CC1 (SANSKRIT POETRY)	KIRĀTĀRJUNĪYAM (CANTO – I, 1-25 VERSES)	BASIC KNOWLEDGE OF POLITICS AND THE SOURCES OF THE MAHĀKĀVYA	AUGUST, 2022	04
CC1 (SANSKRIT POETRY)	KIRĀTĀRJUNĪYAM (CANTO – I, 1-25 VERSES)	BASIC KNOWLEDGE OF POLITICS AND THE SOURCES OF THE MAHĀKĀVYA	SEPTEMBER, 2022	03
CC1 (SANSKRIT POETRY)	KIRĀTĀRJUNĪYAM (CANTO – I, 1-25 VERSES)	BASIC KNOWLEDGE OF POLITICS AND THE SOURCES OF THE MAHĀKĀVYA	NOVEMBER, 2022	03
CC1 (SANSKRIT POETRY)	KIRĀTĀRJUNĪYAM (CANTO – I, 1-25 VERSES)	BASIC KNOWLEDGE OF POLITICS AND THE SOURCES OF THE MAHĀKĀVYA	DECEMBER, 2022	02
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
<u>COURSE CODE & TITLE</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 6 (POETICS AND LITERARY CRITICISM)	VĀMANA'S KĀVYĀLAMKĀRASŪTRAVṚTTI (CHAPTERS I, II & III)	CHAPTER – I	JULY, 2022	01
CC 6 (POETICS AND LITERARY CRITICISM)	VĀMANA'S KĀVYĀLAMKĀRASŪTRAVṚTTI (CHAPTERS I, II & III)	CHAPTER – I	AUGUST, 2022	13

CC 6 (POETICS AND LITERARY CRITICISM)	VĀMANA'S KĀVYĀLAMKĀRASŪTRAVṚTTI (CHAPTERS I, II & III)	CHAPTER – II	SEPTEMBER, 2022	14
CC 6 (POETICS AND LITERARY CRITICISM)	VĀMANA'S KĀVYĀLAMKĀRASŪTRAVṚTTI (CHAPTERS I, II & III)	CHAPTER – II	NOVEMBER, 2022	04
CC 6 (POETICS AND LITERARY CRITICISM)	METRICS	GENERAL CONCEPT OF SANSKRIT METRES	NOVEMBER, 2022	04
CC 6 (POETICS AND LITERARY CRITICISM)	VĀMANA'S KĀVYĀLAMKĀRASŪTRAVṚTTI (CHAPTERS I, II & III)	CHAPTER – III	DECEMBER, 2022	07
CC3 (SANSKRIT DRAMA)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	CONTRIBUTION OF VIŚĀKHADATTA AND BHAṬṬANĀRĀYANA IN SANSKRIT DRAMA	JULY, 2022	03
CC3 (SANSKRIT DRAMA)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	CONTRIBUTION OF VIŚĀKHADATTA AND BHAṬṬANĀRĀYANA IN SANSKRIT DRAMA	AUGUST, 2022	03

CC3 (SANSKRIT DRAMA)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	CONTRIBUTION OF VIŚĀKHADATTA AND BHAṬṬANĀRĀYANA IN SANSKRIT DRAMA	SEPTEMBER, 2022	01
CC3 (SANSKRIT DRAMA)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	CONTRIBUTION OF VIŚĀKHADATTA AND BHAṬṬANĀRĀYANA IN SANSKRIT DRAMA	NOVEMBER, 2022	02
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 12 (SANSKRIT GRAMMAR)	SECTION A - SAMJÑĀ	SAMJÑĀS (SŪTRA, VĀRTTIKA, BHĀṢYA, NIPĀTA, GATI, UPASARGA, GUṆA, VRDDHI, UPADHĀ ETC.)	JULY, 2022	04
CC 12 (SANSKRIT GRAMMAR)	SECTION – B SAMĀSA	SAMĀSA (SELECTED SŪTRAS UPTO DVANDVA COMPOUND)	AUGUST, 2022	14
CC 12 (SANSKRIT GRAMMAR)	SECTION – B SAMĀSA	SAMĀSA (SELECTED SŪTRAS UPTO DVANDVA COMPOUND)	SEPTEMBER, 2022	20

CC 12 (SANSKRIT GRAMMAR)	SECTION - B SAMĀSA	SAMĀSA (SELECTED SŪTRAS UPTO DVANDVA COMPOUND)	NOVEMBER, 2022	18

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC4 (SELF MANAGEMENT IN THE GITA)	SRĪMADBHAGAVADGĪTĀ (WHOLE CHAPTER 4)	JÑĀNAYOGA	MARCH, 2023	10
CC4 (SELF MANAGEMENT IN THE GITA)	SRĪMADBHAGAVADGĪTĀ (WHOLE CHAPTER 4)	JÑĀNAYOGA	APRIL, 2023	12
CC4 (SELF MANAGEMENT IN THE GITA)	SRĪMADBHAGAVADGĪTĀ (WHOLE CHAPTER 4)	JÑĀNAYOGA	MAY, 2023	07
CC4 (SELF MANAGEMENT IN THE GITA)	SRĪMADBHAGAVADGĪTĀ (WHOLE CHAPTER 4)	JÑĀNAYOGA	JUNE, 2023	03
CC4 (SELF MANAGEMENT IN THE GITA)	SRĪMADBHAGAVADGĪTĀ (WHOLE CHAPTER 4)	JÑĀNAYOGA	JULY, 2023	03

CC 2 (SANSKRIT PROSE)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	HISTORICAL KAVYAS	MARCH, 2023	02
CC 2 (SANSKRIT PROSE)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	HISTORICAL KAVYAS	APRIL, 2023	03
CC 2 (SANSKRIT PROSE)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	HISTORICAL KAVYAS	MAY, 2023	02
CC 2 (SANSKRIT PROSE)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	HISTORICAL KAVYAS	JUNE, 2023	01
CC 2 (SANSKRIT PROSE)	SECTION B THE HISTORY OF SANSKRIT LITERATURE	HISTORICAL KAVYAS	JULY, 2023	02

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 10 (SANSKRIT AND WORLD LITERATURE)	SANSKRIT STUDIES ACROSS THE WORLD	CONTRIBUTION OF DIFFERENT SCHOLARS FROM EAST AND WEST	MARCH, 2023	11
CC 10 (SANSKRIT AND WORLD LITERATURE)	SANSKRIT STUDIES ACROSS THE WORLD	CONTRIBUTION OF DIFFERENT SCHOLARS FROM EAST AND WEST	APRIL, 2023	14
CC 10 (SANSKRIT AND WORLD LITERATURE)	SANSKRIT STUDIES ACROSS THE WORLD	CONTRIBUTION OF DIFFERENT SCHOLARS FROM EAST AND WEST	MAY, 2023	12
CC 10 (SANSKRIT AND WORLD LITERATURE)	SANSKRIT STUDIES ACROSS THE WORLD	CONTRIBUTION OF DIFFERENT SCHOLARS FROM EAST AND WEST	JUNE, 2023	09
CC 10 (SANSKRIT AND WORLD LITERATURE)	SANSKRIT STUDIES ACROSS THE WORLD	CONTRIBUTION OF DIFFERENT SCHOLARS FROM EAST AND WEST	JULY, 2023	11
CC 10 (SANSKRIT AND WORLD LITERATURE)	SANSKRIT STUDIES ACROSS THE WORLD	CONTRIBUTION OF DIFFERENT SCHOLARS FROM EAST AND WEST	AUGUST, 2023	03
CC 4 (SANSKRIT GRAMMAR)	SECTION B SAṂJÑĀS	POTENTIAL PARTICIPLES, NOMINAL SUFFIXES, CAUSATIVE VERBS, DESIDERATIVE VERBS	MARCH, 2023	04
CC 4 (SANSKRIT GRAMMAR)	SECTION B SAṂJÑĀS	POTENTIAL PARTICIPLES, NOMINAL SUFFIXES, CAUSATIVE VERBS, DESIDERATIVE VERBS	APRIL, 2023	03

CC 4 (SANSKRIT GRAMMAR)	SECTION B SAṂJÑĀS	POTENTIAL PARTICIPLES, NOMINAL SUFFIXES, CAUSATIVE VERBS, DESIDERATIVE VERBS	MAY, 2023	02
CC 4 (SANSKRIT GRAMMAR)	SECTION B SAṂJÑĀS	POTENTIAL PARTICIPLES, NOMINAL SUFFIXES, CAUSATIVE VERBS, DESIDERATIVE VERBS	JUNE, 2023	01
CC 4 (SANSKRIT GRAMMAR)	SECTION B SAṂJÑĀS	POTENTIAL PARTICIPLES, NOMINAL SUFFIXES, CAUSATIVE VERBS, DESIDERATIVE VERBS	JULY, 2023	02

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023	DATE OF DISSOLUTION OF CLASSES: 16.06.2023
ACADEMIC SESSION: 2022-2023	COURSE TYPE: HONOURS/ GENERAL/ GENERIC

SEMESTER: VI

<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 13 (INDIAN ONTOLOGY)	VEDĀNTASĀRA	BASIC KNOWLEDGE ABOUT VEDĀNTA AND UPANIṢAD	FEBRUARY, 2023	15
CC 13 (INDIAN ONTOLOGY)	VEDĀNTASĀRA	BASIC KNOWLEDGE ABOUT VEDĀNTA AND UPANIṢAD	MARCH, 2023	15
CC 13 (INDIAN ONTOLOGY)	VEDĀNTASĀRA	BASIC KNOWLEDGE ABOUT VEDĀNTA AND UPANIṢAD	APRIL, 2023	13
DSE 4 (ART OF BALANCED LIVING)	YOGASŪTRA - I	-	MAY, 2023	12
DSE 4 (ART OF BALANCED LIVING)	YOGASŪTRA - II	-	JUNE, 2023	05

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SANSKRIT (HONS.)				
NAME OF THE TEACHER: BIDISHA SINHA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 Classical Sanskrit Literature (Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 31 to 40	September 2022	5
CC-1 Classical Sanskrit Literature(Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 41 to 50	November 2022	5
CC-1 Classical Sanskrit Literature (Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 51 to 60	December 2022	5
CC-1 Classical Sanskrit Literature(Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 61 to 68	January 2023	5

CC1 Classical Sanskrit Literature (Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 31 to 38	August 2022	6
CC1 Classical Sanskrit Literature(Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 39 to 41	September 2022	3
CC1 Classical Sanskrit Literature(Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 42 to 44	November 2022	3
CC1 Classical Sanskrit Literature(Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 45 to 52	December 2022	5
CC1 Classical Sanskrit Literature(Poetry)	Section-A Raghuvamsa: Canto-XIV (Verses: 31-68)	Verses 53 to 68	February 2023	8

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-7 Indian Social Institution and Polity	Manusamhita- Chapter-VII	State Politics (1-15) Upayacatustaya (106-110)	August 2022	20
CC-7 Indian Social Institution and Polity	Manusamhita- Chapter-VII	Sadgunya (161-170)	September 2022	15
CC-7 Indian Social Institution and Polity	Arthasastra	Dutapranidhi	November 2022	11
CC-7 Indian Social Institution and Polity	Arthasastra	Dutapranidhi	December 2022	14
CC-3 Discipline-1 (Sanskrit) Sanskrit Drama	The History of Sanskrit Literature (Drama)	Bhasa	August 2022	3
CC-3 Discipline-1 (Sanskrit) Sanskrit Drama	The History of Sanskrit Literature (Drama)	Bhasa, Kalidasa	September 2022	4
CC-3 Discipline-1 (Sanskrit) Sanskrit Drama	The History of Sanskrit Literature (Drama)	Sudraka	November 2022	3

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-1 Dramaturgy	Sahityadarpana- Chapter-VI	Rupaka, Nandi	July 2022	4
DSE-1 Dramaturgy	Sahityadarpana- Chapter-VI	Vrittis, Prastavana, Arthaprakriti, Arthopaksepaka.	August 2022	20
DSE-1 Dramaturgy	Sahityadarpana- Chapter-VI	Patakasthanakas, Karya	September 2022	16
DSE-1 Dramaturgy	Sahityadarpana- Chapter-VI	Avastha,Sandhi, Natika	November 2022	20

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Classical Sanskrit Literature (Prose)	Kadambari	Sukanasopadesa	March 2023	6
CC-3 Classical Sanskrit Literature (Prose)	Kadambari	Sukanasopadesa	April 2023	6
CC-3 Classical Sanskrit Literature (Prose)	Kadambari	Sukanasopadesa	May 2023	3
CC-3 Classical Sanskrit Literature (Prose)	The History of Sanskrit Literature (Fables)	Panchatantra	May 2023	3
CC-3 Classical Sanskrit Literature (Prose)	The History of Sanskrit Literature (Fables)	Hitopadesa, Betal Pancavimsati	June 2023	5
CC-3 Classical Sanskrit Literature (Prose)	The History of Sanskrit Literature (Fables)	Sinhasanadvatrimika, Purusapariksa	July 2023	7
CC-2 Sanskrit Prose	The History of Sanskrit Literature (Fables)	Pancatantra, Hitopadesa	March 2023	4
CC-2 Sanskrit Prose	The History of Sanskrit Literature (Fables)	Vetalpancavimsati, Sinhasanadvatrimika	April 2023	4

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 Indian Epigraphy and Chronology	Epigraphy	The History of Epigraphical Study in India	March 2023	10
CC-8 Indian Epigraphy and Chronology	Epigraphy	The History of Epigraphical Study in India	April 2023	14
CC-8 Indian Epigraphy and Chronology	Epigraphy	The History of Epigraphical Study in India	May 2023	6
CC-8 Indian Epigraphy and Chronology	Silalekha	Rudramana-silalekha	June 2023	20
CC-8 Indian Epigraphy and Chronology	Silalekha	Meharauli Iron Pillar inscription of King Candra	July 2023	10
CC-4 Sanskrit Grammar	Comprehension		April 2023	3
CC-4 Sanskrit Grammar	Comprehension		June 2023	4
CC-4 Sanskrit Grammar	Comprehension		July 2023	3

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DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-3 Fundamentals of Ayurveda	Concept of Astanga Ayurveda		February 2023	16
DSE-3 Fundamentals of Ayurveda	Concept of Astanga Ayurveda.		March 2023	14
DSE-3 Fundamentals of Ayurveda	Taittiriyanopanishad	Bhriguballi-1, Bhriguballi-2	April 2023	16
DSE-3 Fundamentals of Ayurveda	Taittiriyanopanishad	Bhriguballi-2, Bhriguballi-3	May 2023	8
DSE-3 Fundamentals of Ayurveda	Taittiriyanopanishad	Bhriguballi-3	June 2023	6
DSE-2 Maxims in Sanskrit Language	Sahityadarpan – Chaper-X	Slesa, Upama,Rupaka	February 2023	12
DSE-2 Maxims in Sanskrit Language	Sahityadarpan – Chaper-X	Utpreksha, Atisayukti	April 2023	8
DSE-2 Maxims in Sanskrit Language	Sahityadarpan – Chaper-X	Dristanta, Nidarsana, Arthantaranyasa	June 2023	10

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SANSKRIT				
NAME OF THE TEACHER: SOMDATTA GIRI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1, Course Title: Classical Sanskrit Literature (Poetry)	The History of Sanskrit Literature	Introduction, Aśvaghōṣa	August, 2022	3
CC-1, Course Title: Classical Sanskrit Literature (Poetry)	The History of Sanskrit Literature	Kālidāsa, Bhāravi, Māgha	September, 2022	4
CC-1, Course Title: Classical Sanskrit Literature (Poetry)	The History of Sanskrit Literature	Bhaṭṭi, Śrīharṣa	November, 2022	2
CC-2, Course Title: Critical Survey of Sanskrit Literature	Vaidika Sāhitya	Introduction, Vaidika Saṁhitā	August, 2022	2

CC-2, Course Title: Critical Survey of Sanskrit Literature	Vaidika Sāhitya	Vaidika Saṁhitā, Brāhmiṇ	December, 2022	4
CC-2, Course Title: Critical Survey of Sanskrit Literature	Vaidika Sāhitya	Āraṇyak, Upaniṣad,	January, 2023	3
	Rāmāyaṇa	Time, Dissimilarities in Kāṇḍas		2
CC-2, Course Title: Critical Survey of Sanskrit Literature	Vaidika Sāhitya	Vedāṅga, Sūtra-Sāhitya	February, 2023	2
	Rāmāyaṇa	Influence on the Indian Society & Literature		2
GE-1, Course Title: Sanskrit Poetry	The History of Sanskrit Literature	Introduction	August, 2022	2
GE-1, Course Title: Sanskrit Poetry	The History of Sanskrit Literature	Aśvaghoṣa	September, 2022	2
GE-1, Course Title: Sanskrit Poetry	The History of Sanskrit Literature	Kālidāsa	November, 2022	2
GE-1, Course Title: Sanskrit Poetry	The History of Sanskrit Literature	Bhāravi	December, 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5, Course Title: Classical Sanskrit Literature (Drama)	Abhiñānaśakuntalam (I-V)	Introduction, Act-I	July, 2022	2
CC-5, Course Title: Classical Sanskrit Literature (Drama)	Abhiñānaśakuntalam (I-V)	Act-I, II	August, 2022	4
	The History of Sanskrit Literature (Drama)	Bhāsa		2
CC-5, Course Title: Classical Sanskrit Literature (Drama)	Abhiñānaśakuntalam (I-V)	Act-II, III	September, 2022	2
	The History of Sanskrit Literature (Drama)	Kālidāsa		2
CC-5, Course Title: Classical Sanskrit Literature (Drama)	Abhiñānaśakuntalam (I-V)	Act-IV	November, 2022	2
	The History of Sanskrit Literature (Drama)	Śūdraka, Viśākhadatta		2
CC-5, Course Title: Classical Sanskrit Literature (Drama)	Abhiñānaśakuntalam (I-V)	Act-IV, V	December, 2022	4
	The History of Sanskrit Literature (Drama)	Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa		3
GE-3, Course Title: Sanskrit Drama	Abhiñānaśakuntalam (I-V)	Introduction	July, 2022	2
GE-3, Course Title: Sanskrit Drama	Abhiñānaśakuntalam (I-V)	Act-I	August, 2022	4

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11, Course Title: Vedic Literature	Ṛgvedasamhitā	Agnisūkta-(2/6)	July, 2022	2
CC-11, Course Title: Vedic Literature	Ṛgvedasamhitā	Akṣasūkta-(10/34), Devīsūkta-(10/125)	August, 2022	4
CC-11, Course Title: Vedic Literature	Ṛgvedasamhitā	Indrasūkta-(2/12)	September, 2022	2
	Vedic Grammar	Declension of a-stems, Vedic Subjunctive, Vedic Infinitive, The Vedic Accent & Pada- pātha		2
CC-11, Course Title: Vedic Literature	Īsopaniṣad	Introduction, Text	November, 2022	4

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3, Course Title: Classical Sanskrit Literature (Prose)	Daśakumāracarita a	Rājavāhanacarita	March, 2023	4
	The History of Sanskrit Literature (Prose)	Introduction of Prose Literature, Subandhu		2
CC-3, Course Title: Classical Sanskrit Literature (Prose)	Daśakumāracarita a	Rājavāhanacarita	April, 2023	3
	The History of Sanskrit Literature (Prose)	Daṇḍin, Bāṇabhaṭṭa		3
CC-3, Course Title: Classical Sanskrit Literature (Prose)	Daśakumāracarita a	Rājavāhanacarita	May, 2023	4
GE-2, Course Title: Sanskrit Prose	The History of Sanskrit Literature (Prose)	Introduction of Prose Literature, Subandhu	March, 2023	2
GE-2, Course Title: Sanskrit Prose	The History of Sanskrit Literature (Prose)	Daṇḍin	April, 2023	1
GE-2, Course Title: Sanskrit Prose	The History of Sanskrit Literature (Prose)	Bāṇabhatta	May, 2023	2

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-2, Course Title: Political Thought in Sanskrit Literature	Mudrārākṣasa- (Acts-I & II)	Introduction, Act-I	March, 2023	4
SEC-2, Course Title: Political Thought in Sanskrit Literature	Mudrārākṣasa- (Acts-I & II)	Act-I, II	April, 2023	4
SEC-2, Course Title: Political Thought in Sanskrit Literature	Mudrārākṣasa- (Acts-I & II)	Act-II	May, 2023	3
SEC-2, Course Title: Political Thought in Sanskrit Literature	Arthaśāstra- Śāsanādhikāra	Text	June, 2023	5
GE-4, Course Title: Sanskrit Grammar	The Concept of the following Saṃjñās	Guṇa, Vṛddhi, Ṭi	March, 2023	3
GE-4, Course Title: Sanskrit Grammar	The Concept of the following Saṃjñās	Ghi, Ghu, Nadī	April, 2023	2
GE-4, Course Title: Sanskrit Grammar	The Concept of the following Saṃjñās	Upadhā, Samprasāraṇa	May, 2023	2
General- SEC-II, Course Title: Basic Sanskrit-Part-I	Declensions	a-kārānta, i- kārānta- Masculine, Feminine & Neuter	March, 2023	2
	Conjugations	Bhū, Paṭh, Gam, Dṛś- laṭ, loṭ, lañ, liñ, & lṛṭ		2
General- SEC-II, Course Title: Basic Sanskrit-Part-I	Declensions	u- kārānta, ṛ- kārānta- Masculine, Feminine & Neuter	April, 2023	2
	Conjugations	Sev, Labh, Pac, Vṛt- laṭ, loṭ, lañ, liñ, & lṛt		2

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DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-14, Course Title: Sanskrit Composition and Communication	Case-endings and Cases	Introduction, First Case- ending, Second Case-ending	February, 2023	5
CC-14, Course Title: Sanskrit Composition and Communication	Case-endings and Cases	Third Case-ending, Fourth Case-ending,	March, 2023	4
CC-14, Course Title: Sanskrit Composition and Communication	Case-endings and Cases	Fifth Case-ending	April, 2023	3
	Translation	Sanskrit to Bengali, Bengali to Sanskrit		2
CC-14, Course Title: Sanskrit Composition and Communication	Comprehension	Comprehension Test	May, 2023	2
	Reporting	Report Writing		2
CC-14, Course Title: Sanskrit Composition and Communication	Comprehension	Comprehension Test	June, 2023	2
	Reporting	Report Writing		2
General- SEC-IV, Course Title: Vedic Literature	Ṛgvedasamhitā	Agnisūkta-(2/6)	February, 2023	2
General- SEC-IV, Course Title: Vedic Literature	Ṛgvedasamhitā	Akṣasūkta-(10/34)	March, 2023	3
General- SEC-IV, Course Title: Vedic Literature	Ṛgvedasamhitā	Devīsūkta-(10/125)	April, 2023	2
General- SEC-IV, Course Title: Vedic Literature	Ṛgvedasamhitā	Indrasūkta-(2/12)	May, 2023	3

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SANSKRIT				
NAME OF THE TEACHER: SUBRATA GAYEN				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ /GENERIC		
SEMESTER: I				
<u>COURSE CODE & TITLE</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 2 (CRITICAL SURVEY OF SANSKRIT LITERATURE)	PURĀṆA	DEFINITION OF PURĀṆA, GENERAL ACQUAINTANCE WITH PURĀṆAS	AUGUST, 2022	12
CC 2 (CRITICAL SURVEY OF SANSKRIT LITERATURE)	PURĀṆA	GENERAL ACQUAINTANCE WITH PURĀṆAS	SEPTEMBER, 2022	09
CC 2 (CRITICAL SURVEY OF SANSKRIT LITERATURE)	THE HISTORY OF SANSKRIT GRAMMAR	PRE-PĀṆINI ERA, PĀṆINI, & SCHOOL OF PĀṆINIAN GRAMMAR	NOVEMBER, 2022	07
CC 2 (CRITICAL SURVEY OF SANSKRIT LITERATURE)	THE HISTORY OF INDIAN PHILOSOPHY	GENERAL ACQUAINTANCE WITH TERM PHILOSOPHY, SCHOOL OF NĀSTIK PHILOSOPHY	DECEMBER, 2022	09
CC 2 (CRITICAL SURVEY OF SANSKRIT LITERATURE)	THE HISTORY OF INDIAN PHILOSOPHY	SCHOOL OF ĀSTIK PHILOSOPHY	JANUARY, 2022	12
CC 2 (CRITICAL SURVEY OF SANSKRIT LITERATURE)	THE HISTORY OF INDIAN PHILOSOPHY	SCHOOL OF ĀSTIK PHILOSOPHY	FEBRUARY, 2022	08

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS/~~ GENERAL/ GENERIC		
SEMESTER: I				
<u>COURSE CODE & TITLE</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
GE 1 (SANSKRIT POETRY)	THE HISTORY OF SANSKRIT LITERATURE	GENERAL ACQUAINTANCE WITH SANSKRIT LITERATURE	AUGUST, 2022	03
GE 1 (SANSKRIT POETRY)	THE HISTORY OF SANSKRIT LITERATURE	POET MĀGHA & BHATṬI	SEPTEMBER, 2022	02
GE 1 (SANSKRIT POETRY)	THE HISTORY OF SANSKRIT LITERATURE	POET ŚRĪHARṢA	NOVEMBER, 2022	02

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
<u>COURSE CODE & TITLE</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 6 (POETICS AND LITERARY CRITICISM)	SĀHITYADARPAṆA (CHAPTER X)	GENERAL ACQUAINTANCE WITH ALAMKĀRA, ŚABDĀLAMKĀRA & ARTHĀLAMKĀRA	JULY, 2022	04
CC 6 (POETICS AND LITERARY CRITICISM)	SĀHITYADARPAṆA (CHAPTER X)	ŚLEṢA, UPAMĀ, RŪPAKA, UTPREKṢA & ATISĀYOKTI	AUGUST, 2022	11
CC 6 (POETICS AND LITERARY CRITICISM)	SĀHITYADARPAṆA (CHAPTER X)	DRṢṬĀNTA, NIDARŚANĀ & ARTHĀNTARANYĀSA	SEPTEMBER, 2022	10
SEC 1 (BASIC SANSKRIT)	BRAHMADATTA-KARKAṬA- KATHĀ, DECLENSIONS, CONJUGATIONS & TRANSLATION	-	NOVEMBER, 2022	08
SEC 1 (BASIC SANSKRIT)	DECLENSIONS, CONJUGATIONS & TRANSLATION	-	DECEMBER, 2022	12

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
<u>COURSE CODE & TITLE</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
GE 3 (SANSKRIT DRAMA)	ABHIJÑĀNAŚAKUNTALAM (CHAPTER I-V)	CHAPTER - IV	JULY, 2022	07
GE 3 (SANSKRIT DRAMA)	ABHIJÑĀNAŚAKUNTALAM (CHAPTER I-V)	CHAPTER - IV	AUGUST, 2022	06
GE 3 (SANSKRIT DRAMA)	ABHIJÑĀNAŚAKUNTALAM (CHAPTER I-V)	CHAPTER – IV & V	SEPTEMBER, 2022	05
GE 3 (SANSKRIT DRAMA)	ABHIJÑĀNAŚAKUNTALAM (CHAPTER I-V)	CHAPTER V	NOVEMBER, 2022	04
GE 3 (SANSKRIT DRAMA)	ABHIJÑĀNAŚAKUNTALAM (CHAPTER I-V)	CHAPTER V	DECEMBER, 2022	06

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
DSE 2 (ELEMENTS OF LINGUISTICS)	SOME PHONETIC LAWS AND TENDENCIES	GRIMM’S LAW, VERNER’S LAW, GRASSMANN’S LAW & COLLITZ’S LAW	JULY, 2022	05
DSE 2 (ELEMENTS OF LINGUISTICS)	SOME PHONETIC LAWS AND TENDENCIES	ASSIMILATION, DISSIMILATION, METATHESIS ETC.	AUGUST, 2022	14
DSE 2 (ELEMENTS OF LINGUISTICS)	ELEMENTS OF LINGUISTICS	THEORY OF INDO-EUROPEAN LANGUAGE GROUPS	SEPTEMBER, 2022	12
DSE 2 (ELEMENTS OF LINGUISTICS)	ELEMENTS OF LINGUISTICS	VEDIC AND CLASSICAL SANSKRIT, NON-ARYAN INFLUENCE ON SANSKRIT	NOVEMBER, 2022	08

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC4 (SELF MANAGEMENT IN THE GITA)	ŚRĪMADBHAGAVADGĪTĀ	MEDITATION	MARCH, 2023	10
CC4 (SELF MANAGEMENT IN THE GITA)	ŚRĪMADBHAGAVADGĪTĀ	MEDITATION	APRIL, 2023	08
CC4 (SELF MANAGEMENT IN THE GITA)	ŚRĪMADBHAGAVADGĪTĀ	MEDITATION	MAY, 2023	04
CC4 (SELF MANAGEMENT IN THE GITA)	ŚRĪMADBHAGAVADGĪTĀ	RAJOGUṆA	JUNE, 2023	08
CC4 (SELF MANAGEMENT IN THE GITA)	ŚRĪMADBHAGAVADGĪTĀ	DIET CONTROL	JULY, 2023	09

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
GE 2 (SANSKRIT PROSE)	DAŚAKUMĀRACARITA (DVIJOPKṚTI)	-	MARCH, 2023	04
GE 2 (SANSKRIT PROSE)	DAŚAKUMĀRACARITA (DVIJOPKṚTI)	-	APRIL, 2023	04
GE 2 (SANSKRIT PROSE)	DAŚAKUMĀRACARITA (DVIJOPKṚTI)	-	MAY, 2023	04
GE 2 (SANSKRIT PROSE)	DAŚAKUMĀRACARITA (DVIJOPKṚTI)	-	JUNE, 2023	03
GE 2 (SANSKRIT PROSE)	DAŚAKUMĀRACARITA (DVIJOPKṚTI)	-	JULY, 2023	04

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 9 (MODERN SANSKRIT LITERATURE)	CIPITAKACARVAṆA	-	MARCH, 2023	15
CC 9 (MODERN SANSKRIT LITERATURE)	CIPITAKACARVAṆA	-	APRIL, 2023	13
CC 9 (MODERN SANSKRIT LITERATURE)	CIPITAKACARVAṆA	-	MAY, 2023	13
CC 9 (MODERN SANSKRIT LITERATURE)	SURVEY OF MODERN SANSKRIT LITERATURE IN BENGAL	-	JUNE, 2023	10
CC 9 (MODERN SANSKRIT LITERATURE)	SURVEY OF MODERN SANSKRIT LITERATURE IN BENGAL	-	JULY, 2023	08
CC 9 (MODERN SANSKRIT LITERATURE)	SURVEY OF MODERN SANSKRIT LITERATURE IN BENGAL	-	AUGUST, 2023	06

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: IV				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
GE 4 (SANSKRIT GRAMMAR)	THE CONCEPT OF SAMJNĀS	SŪTRA, BHĀṢYA, VĀRTIKA	MARCH, 2023	03
GE 4 (SANSKRIT GRAMMAR)	THE CONCEPT OF SAMJNĀS	KARMAPRAVACANĪYA	APRIL, 2023	04
GE 4 (SANSKRIT GRAMMAR)	THE CONCEPT OF SAMJNĀS	NIPĀTA, GATI, UPASARGA	MAY, 2023	04

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
CC 13 (INDIAN ONTOLOGY AND EPISTEMOLOGY)	TARKASAṂGRAHA	BASIC KNOWLEDGE ABOUT NYĀYA PHILOSOPHY, SAPTAPADĀRTHA	FEBRUARY, 2023	15
CC 13 (INDIAN ONTOLOGY AND EPISTEMOLOGY)	TARKASAṂGRAHA	BASIC KNOWLEDGE ABOUT KĀRAṆA, PRATYAKṢA, SANNIKARṢA	MARCH, 2023	12
CC 13 (INDIAN ONTOLOGY AND EPISTEMOLOGY)	TARKASAṂGRAHA	BASIC KNOWLEDGE ABOUT KĀRAṆA, PRATYAKṢA, SANNIKARṢA	APRIL, 2023	13
DSE 4 (ART OF BALANCED LIVING)	ŚRĪMADBHAGAVADGĪTĀ (CHAPTER III)	SELECTED VERSES FROM CHAPTER III	MAY, 2023	14
DSE 4 (ART OF BALANCED LIVING)	ŚRĪMADBHAGAVADGĪTĀ (CHAPTER III)	SELECTED VERSES FROM CHAPTER III	JUNE, 2023	12

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ ~~GENERIC~~		
SEMESTER: VI				
<u>PAPER</u>	<u>UNIT NAME (TOPIC)</u>	<u>SUB UNIT NAME</u>	<u>MONTH</u>	<u>NUMBER OF CLASSES</u>
DSE II B (MAXIMS IN SANSKRIT LANGUAGE)	LITERARY CRITICISM - METRICS	GENERAL CONCEPT OF SANSKRIT METRES	FEBRUARY, 2023	04
DSE II B (MAXIMS IN SANSKRIT LANGUAGE)	LITERARY CRITICISM - METRICS	DETAILED DISCUSSION ON INDRAVAJRĀ, UPENDRAVAJRĀ	MARCH, 2023	04
DSE II B (MAXIMS IN SANSKRIT LANGUAGE)	LITERARY CRITICISM - METRICS	DETAILED DISCUSSION ON UPAJĀTĪ, VAMŚASTHAVILA, VASANTATILAKA	APRIL, 2023	04
DSE II B (MAXIMS IN SANSKRIT LANGUAGE)	LITERARY CRITICISM - METRICS	DETAILED DISCUSSION ON MĀLINĪ, MANDĀKRĀNTĀ	MAY, 2023	04

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: FRENCH				
NAME OF THE TEACHER: BASABI PAL				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: Honours HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC2	Conversation		August- February	20

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[illegible]

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[illegible]

[illegible]

[illegible]

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: FRENCH				
NAME OF THE TEACHER: CHANDRANI CHATTERJEE				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: Honours HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC1	A Propos A1 Grammar	Alphabet and basic sounds in French	August	6
		Definite and indefinite article+ practice	August September	4 3
		Adjectives + Practice	January	4
		Verbs + Practice	February	4+3

		Class Test	February	1
		A Propos A1 Reading, learning French expressions in oral and writing	February March	4 2
		Class test		
		Compound tenses and their application		
		Revision + internal		

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: Honours HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC5 French Cinema	History of cinema	History_ - French cinema	August	6
		Classical period movie- Jeanne d’Arc Watching the movie, analysis, review writing etc	September	6
		New wave cinema - detailed discussion	September October	6 4
		Watching movies-A bout de souffle,* La Belle et la Bete, Hirishima mon amour	November December	10 10
		Internal+rev*ision	January February March	5 8 2

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: Honours HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 11	20 th century French literature	Surrealism- theory,manifesto,poets and their writings.analysis	August September	4 4
		Existentialism- manifesto,authors,philosopher s	September	4 4
		Feminism-Simone de Beauvoir	October	8
		Francophone Literature	November	12
		Internal	December	1
		Revision	January	4
		Class test	Februay	1
		Question Answers revision	February March	6 1

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: Yet to be desolved		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: Honours HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC3	A ProposA2 Civilisation	The interviews:dossier 1 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational context,question answers on civilisation	April	4
		The interviews:dossier-2 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational context,question answers on civilisation	April	4
		The interviews:dossier-3 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational context,question answers on civilisation	May	4
		The interviews:dossier-4 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational context,question answers on civilisation	May	4
		The interviews:dossier-5 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational context,question answers on civilisation	May	4
		The interviews:dossier-6 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational	June	4 1

		context,question answers on civilisation + internal		
		The interviews:dossier-7 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational context,question answers on civilisation	June	4
		The interviews:dossier-8 Reading ,vocabulary,context,sub- context,introducing cultural and civilisational context,question answers on civilisation	July	4
		Revision-Dossier 1&2	July	3
		Revision-Dossier 3 &4	July	3
		Revision5,6,7,8	August	2

DATE OF COMMENCEMENT OF CLASSES: 08.04.2021		DATE OF DISSOLUTION OF CLASSES: 02.08.2021		
ACADEMIC SESSION: 2020-2021		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC8	Civilization	French education system	April	2
		Festivals	April	1
		Political structure of France	April	4
		Introduction to Francophone	May	4
CC10	History	French Revolution	May	8
		Napoleon, 1 st Republic+2 nd Republic	June	8
		3 rd Republic	July	8
		Revision-question answers+test	August	3

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: FRENCH				
NAME OF THE TEACHER: ANINDITA SUR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASS: 09.02.2023	
SESSION: 2022-2023			COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 1	Seen comprehension from Text, A Propos A1	Vocabulary	August 2022	1
CC 1	Seen comprehension from Text, A Propos A1	Dossier1 : (Toi,moi,nous)	September 2022	2
CC 1	Seen comprehension from Text, A Propos A1	Dossier1: (Toi,moi,nous)	November 2022	1
CC 1	Seen comprehension from Text, A Propos A1	Dossier2: (En famille)	November 2022	4
CC 1	Seen comprehension from Text, A Propos A1	Dossier3 :(Quelle journée)	November 2022	4
CC 1	Seen comprehension from Text, A Propos A1	Dossier4 :(Vous désirez)	December 2022	4
CC 1	Seen comprehension from Text, A Propos A1	Dossier5: (Ici et là)	December 2022	4

CC 1	Seen comprehension from Text, A Propos A1	Dossier5:(Ici et là)	January 2023	1
CC 1	Seen comprehension from Text, A Propos A1	Dossier6: (Ailleurs)	January 2023	5
CC 1	Seen comprehension from Text, A Propos A1	Dossier7: (Au boulot)	January 2023	5
CC 1	Seen comprehension from Text, A Propos A1	Dossier8:(Vivre ensemble)	January 2023	1
CC 1	Seen comprehension from Text, A Propos A1	Dossier8:(Vivre ensemble)	February 2023	4

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 6	Biography	Rabelais	July 2023	2

CC 6	Biography	Montaigne	August 2022	2
CC 6	Biography	Jeanne d'Arc	August 2022	2
CC 6	Biography	Ronsard	August 2022	2
CC 6	Biography	Fénélon	August 2022	2
CC 6	Biography	Bossuet	September 2022	2
CC 6	Biography	Mme de Sevigné	September 2022	2
CC 6	Biography	Louis Pasteur	September 2022	2
CC 6	Biography	Chénier	September 2022	1
CC 6	Biography	Chénier	November 2022	1
CC 6	Biography	Mme Curie	November 2022	2
CC 6	Biography	NapoléonI	November 2022	2

CC 6	Biography	Charles de Gaulle	November 2022	2
CC 6	Biography	Simone de Beauvoir	December 2022	2
CC 6	Biography	Albert Camus	December 2022	2
CC 6	Biography	J.P.Sartre	December 2022	2
CC 6	Biography	Revision	December 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~/ ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE II	Diderot	Caractères généraux du XVIIIe siècle	July 2023	1
DSE II	Diderot	La contribution des philosophes à l'égard de la Révolution française	July 2023	1
DSE II	Diderot	le Siècle des lumières	July 2023	1

DSE II	Diderot	L'Encyclopédie	July 2023	1
DSE II	Diderot	Diderot: La vie et les œuvres	August 2022	2
DSE II	Diderot	Diderot: Les visions du philosophe	August 2022	2
DSE II	Diderot	Diderot: Le philosophe	August 2022	2
DSE II	Diderot	Diderot: Le romancier	August 2022	2
DSE II	Diderot	L'Influence de Diderot	August 2022	2
DSE II	Diderot	Diderot:Le Neveu de Rameau	August 2022	4
DSE II	Diderot	Diderot: Jacques le Fataliste et son maître	August 2022	2
DSE II	Diderot	Diderot: Jacques le Fataliste et son maître	September 2022	2
DSE II	Diderot	Revision	September 2022	2
DSE II	Rousseau	Le génie de Rousseau	September 2022	2

DSE II	Rousseau	Rousseau:Le système philosophique	September 2022	2
DSE II	Rousseau	Rousseau: L'art de écrivain	September 2022	2
DSE II	Rousseau	L'Influence de Rousseau	November 2022	2
DSE II	Rousseau	Rousseau: L'Emile	November 2022	4
DSE II	Rousseau	Rousseau: Le Contrat social	November 2022	4
DSE II	Rousseau	Revision	November 2022	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED
SESSION: 2022-2023	COURSE TYPE: HONOURS/ ~~GENERAL~~/ ~~GENERIC~~

SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC3	Seen Comprehension from Text, A Propos A2	Dossier1 (Au fil du temps)	March 2023	5
CC3	Seen Comprehension from Text, A Propos A2	Dossier2 (64 millions de consommateurs)	March 2023	3
CC3	Seen Comprehension from Text, A Propos A2	Dossier2 (64 millions de consommateurs)	April 2023	2
CC3	Seen Comprehension from Text, A Propos A2	Dossier3 (Médias.fr)	April 2023	5
CC3	Seen Comprehension from Text, A Propos A2	Dossier4 (Habitants des villes ou des champs)	April 2023	1
CC3	Seen Comprehension from Text, A Propos A2	Dossier4 (Habitants des villes ou des champs)	May 2023	4
CC3	Seen Comprehension from Text, A Propos A2	Dossier5 (Cultivons nos plaisirs)	May 2023	4
CC3	Seen Comprehension from Text, A Propos A2	Dossier5 (Cultivons nos plaisirs)	June 2023	1
CC3	Seen Comprehension from Text, A Propos A2	Dossier6 (Les autres et moi)	June 2023	5

CC3	Seen Comprehension from Text, A Propos A2	Dossier7 (Douce France)	June 2023	3
CC3	Seen Comprehension from Text, A Propos A2	Dossier7 (Doucee France)	July 2023	2
CC3	Seen Comprehension from Text, A Propos A2	Dossier8 (Sur le chemin des autres)	July 2023	5
CC3	Seen Comprehension from Text, A Propos A2	Revision	July 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC10	The Gauls and the Franks	De la Gaule indépendante à la Gaule Romaine	March 2023	6
CC10	The Gauls and the Franks	Comment la Gaule devint la France	March 2023	10
CC10	The making of the kingdom of France(987-1453)	La France Féodale	April 2023	10
CC10	Consolidation of the French Monarchy	La Monarchie Absolue	April 2023	8
CC10	Consolidation of the French Monarchy	La Monarchie Absolue	May 2023	4
CC10	Consolidation of the French Monarchy	L'ère des Lumières	May 2023	10
CC10	French Revolution and the Napoleonic era	La Révolution française et ses suites	May 2023	6
CC10	French Revolution and the Napoleonic era	La Révolution française et ses suites	June 2023	6
CC10	French Revolution and the Napoleonic era	Revision	June 2023	14

CC10	French Revolution and the Napoleonic era	Revision	July 2023	20

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC14	Literary works of Renaissance	Ronsard	February 2023	2
CC14	Literary works of Renaissance	A Cassandre	February 2023	5
CC14	Literary works of Renaissance	Quand vous serez bien vieille	February 2023	5
CC14	Literary works of Classicism	La Fontaine	February 2023	2
CC14	Literary works of Classicism	Les Animaux malades de la peste	February 2023	1
CC14	Literary works of Classicism	Les Animaux malades de la peste	March 2023	4
CC14	Literary works of Classicism	Racine	March 2023	2
CC14	Literary works of Classicism	Phèdre	March 2023	6
CC14	Literary work of Enlightenment	Rousseau	April 2023	2

CC14	Literary work of Enlightenment	Emile	April 2023	7
CC14	Literary work of Symbolism	Baudelaire	April 2023	1
CC14	Literary work of Symbolism	Baudelaire	May 2023	1
CC14	Literary work of Symbolism	L'Invitation au Voyage	May 2023	5
CC14	Literary work of Surrealism	Apollinaire	May 2023	2
CC14	Literary work of Surrealism	Le Pont Mirabeau	May 2023	4
CC14	Literary work of Surrealism	Le Pont Mirabeau	June 2023	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 6	Unseen Comprehension	Unseen Comprehension from other text	July 2023	1
CC 6	Unseen Comprehension	Unseen Comprehension from other text	August 2022	4
CC 6	Unseen Comprehension	Unseen Comprehension from other text	September 2022	3
CC 6	Unseen Comprehension	Unseen Comprehension from other text	November 2022	3
CC 6	Unseen Comprehension	Unseen Comprehension from other text	December 2022	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
L2-2	Vocabulary	Vocabulaire,Prononciation	March 2023	2
L2-2	Grammar	Articles indéfinis	March 2023	2
L2-2	Grammar	Articles définis	April 2023	2
L2-2	Grammar	Articles partitifs	April 2023	2
L2-2	Grammar	Féminin	May 2023	2
L2-2	Grammar	Pluriel	May 2023	2
L2-2	Grammar	Adjectifs possessifs	June 2023	2
L2-2	Grammar	Adjectifs démonstratifs	June 2023	2
L2-2	Grammar	Adjectifs interrogatifs	July 2023	2

L2-2	Grammar	Conjugaisons	July 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: FRENCH				
NAME OF THE TEACHER: ASHIS MAHATO				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC I : Reading and Writing Skills-1	Grammar	L'article indéfini L'article défini Exercises	23 Aug – 31 Aug	2
		Adjectif démonstratif Exercises L'Article partitif Exercises Le présent 1st group Exercises Frame sentences with present tense Les prepositions Exercises	1 Sept. – 24sept.	8
		Puja vacation	25 sept – 10 Nov.	0
		Revision Le présent 2 nd group Exercises Frame sentences with present tense (2 nd group) Le présent 3rd group Exercises Frame sentences with present tense (3rd group) L'impératif	11 Nov. – 30 Nov	7

		Le Passé composé with the verb Etre Le Passé composé with the verb Avoir Exercises L'interrogatif L'Adjectifs possessifs Exercises Les adjectifs with exercises Le futur proche with exercises	December	9
		Le future with exercises Les Adverbes with exercises Les pronoms toniques with exercises Les pronoms personels with exercises	January	9
		Le passé recent with exercises L'imparfait with exercises	February	3
CC II: Listening and Speaking Skills 1	Phonetics	Phonetic Alphabets	23 Aug – 31 Aug	1
		Phonetic Alphabets Voyelle Oral, Nasal and Semi	1 Sept. – 24sept.	3
			25 sept – 10 Nov.	0
		Consonne occlusive et fricative Liaison	11 Nov. – 30 Nov	3
		Prononciation Transcription phonétique	December	3
		Syllabe Group rythmique Intonation	January	4
		Transcription graphique	February	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - VI : Learning French trough text	Tintin au Pays des Soviets	Introduction to French Comics	July	1
		Introduction to French Comics Live and works of Hergé Characteristics of the Comics of Hergé Series of Comics Tintin Introduction to the comics : Tintin au Pays des Soviets	August	9
		Interprétation of Tintin au Pays des Soviets 1 : 1-20 pages	September	7
		Puja vacation	25 Sept. – 10 Nov.	0
		Interprétation Tintin au Pays des Soviets 2 : 21-45 pages	11 Nov. – 30 Nov.	7
		Interprétation Tintin au Pays des Soviets 3 : 46-62 pages Critical appreciation	Decembre	7
CC VII : Advanced Reading and Writing skills – 1: Learning French through creative writing	Résumé	Practice of Résumé from NSF 1 (2 texts)	July	1
		Practice of Résumé from NSF 1(6 texts)	August	3
		Practice of Résumé from NSF 2 (6 texts)	September	3
			25 Sept. – 10 Nov.	0
		Practice of Résumé from NSF 2 (6 texts)	11 Nov. – 30 Nov.	3

		Practice of Résumé from NSF 2 (6 texts)	Decembre	3
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – XI: History of French & Francophone literature	History of French Literature from 16 th to 18 th century	Introduction to the Literature of Middle Age: poésie, roman, théâtre	July	2
		Literature of 16 th Century: Renaissance, Réforme, Characteristics of La pléiade, Ronsard, Du Bellay, la poésie	August	16
		Literature of 17 th Century: Characteristics of Le Clacisme, La tragédie classique, la comédie, Corneille, Racine, Molière, La Fontaine,		14
		Puja vacation	25 Sept. – 10 Nov.	0
		Literature of 17 th Century: la poésie de La Fontaine Literature of 18 th Century: general characteristics of 18 th century, Age of philosophers, André Chénier and his poetry, Rousseau, Voltaire, le roman, characteristics of Encyclopédia	11Nov – 30 Nov.	16

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – III: Reading and Writing	Grammar	Revision of the topics of semester 1 Pronoms relatifs with exercises	March	10
		Expression de la comparaison with exercises Participe présent Gérondif with exercises	April	12
		Formation of Le plus-que parfait with exercises Use of Le plus-que parfait Use of Le passé composé, l'imparfait et Le plus-que parfait in the past with exercises	May	12
		Les pronoms démonstratifs with exercises Le style direct et indirect with exercises La voix passive with exercises	June	12
		Les pronoms possessifs with exercises Use of Conditonnel mode with exercises Use of Subjonctif mode with exercises Expression de l'espace de temps	July	12
		Use of Le future et future antérieur with exercises	Aug	

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – IX: French through creative activities	Debate	Introduction to Debate Les réseaux sociaux. L'éducation distancielle.	March	6
		L'utilisation de plastique. Radio Vacances d'été.	April	8
		Culture d'appartement. La famille Nucléaire. La ville, Village.	May	8
		L'utilisation de portable, l'éducation présentielle, L'éducation en ligne	June	8
		L'utilisation d'Internet, Télévision, Média, Multi-média	July	8

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – XIII: Introduction to Rhetorics & Literary Composition	Rhetorics	Introduction to Rhetorics Definition and study with examples of Common figures of speech : Rhétorique Comparaison	February	10
		Definition and study with examples of Common figures of speech : Personification, Métaphore, Allégorie	March	12
		Definition and study with examples of Common figures of speech : Métonymie, Allitération, Paradoxe	April	12
		Definition and study with examples of Common figures of speech : Oxymore, Euphémisme, Synecdoque	May	12
		Definition and study with examples of Common figures of speech : Hyperbole Revision	June	6
CC – XIV: Reading Literature	Short Stories	Definition and characteristics of Le Naturalisme	February	2
		Le Naturalisme of Maupassant Characteristics of 19th century’s shorts stories Characteristics Maupassant’s shorts stories	March	4
		Interpretation of the short story: la Parure de Maupassant Critical appreciation	April	4
		Characteristics Daudet’s shorts stories Interpretation of the short story: LA Dernière classe de Alphonse Daudet	May	4
		Critical appreciation Révision	June	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: FRENCH				
NAME OF THE TEACHER: JAYITA BASAK				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE: CC 1 COURSE NAME: Reading and Writing Skills-1	Writing Skills	1. Abécédaire 2. Les Accents 3. La carte de France 4. Importance de la langue française dans le monde 5. les Salutations 6. Worksheet - 1	August	4
COURSE CODE: CC 1 COURSE NAME: Reading and Writing Skills-1	Writing Skills	Les Salutations Carte d' identité Worksheet -2 Vocabulaires – maison, famille, salle de classe	September Puja vacation 25 Sept. – 10 Nov.	6
COURSE CODE: CC 1 COURSE NAME: Reading and Writing Skills-1	Writing Skills	Devoir: Faites une carte d' identite	October Puja vacation 25 Sept. – 10 Nov.	
COURSE CODE: CC 1 COURSE NAME: Reading and Writing Skills-1	Writing Skills	La famille Le repas français Préposition Vie quotidienne La maison Comment écrit-on un message Class Test	November	5

COURSE CODE: CC 1 COURSE NAME: Reading and Writing Skills-1	Writing Skills	Internal examen Les loisirs Le voyage La salle de classe Les exemples des messages Les caractéristiques physiques et les adjectifs Décrivez votre ami (e)	December Winter recess	5
COURSE CODE: CC 1 COURSE NAME: Reading and Writing Skills-1	Writing Skills	Les matieres Qu' est-ce qu' il y a dans votre sac? Comment venez-vous au college ? Worksheet-3 A1 Cahier page-88, 99 Worksheet -4	January	8
COURSE CODE: CC 1 COURSE NAME: Reading and Writing Skills-1	Writing Skills	Faisons le point du livreA1: Leçon – 1,2,3, 4,5,6,7	February	4

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE NAME: Advanced reading and writing skills (1) COURSE CODE: CC 7	Unseen comprehension Story writing	Comprehension 1: Balade gourmande	July	1
COURSE NAME: Advanced reading and writing skills (1) COURSE CODE: CC 7	Unseen comprehension Story writing	Comment peut- on ecrire une conte? – la structure d’une conte Comprehension: 2 to 6 Story keywords: 1 to 4 Class Test : story no. 5	August	8
COURSE NAME: Advanced reading and writing skills (1) COURSE CODE: CC 7	Unseen comprehension Story writing	Story: no.6, 7,8 Comprehension: no.7, 8,9 Internal examen	September Puja vacation 25 Sept. – 10 Nov	5
COURSE NAME: Advanced reading and writing skills (1) COURSE CODE: CC 7	Unseen comprehension Story writing	Devoir: Story: no.9 Comprehension: Doly	October Puja vacation 25 Sept. – 10 Nov	
COURSE NAME: Advanced reading and writing skills (1) COURSE CODE: CC 7	Unseen comprehension Story writing	Story: no. 10, 11, 12 Comprehension: 10 to 14 Class test: 29.11.23	November	6

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE NAME: Introduction to translation COURSE CODE: CC 12	Translation	Définition, le syntagme, le découpage, différent type de traduction,	July	3
COURSE NAME: Introduction to translation COURSE CODE: CC 12	Translation	Problème de la traduction, procédé de traduction, les registres de la langue Pratique de la traduction Vocabulaire : bancaire, tourisme, economie etc Comment peut-on ecrire Les certificats en francais ?	August	8
COURSE NAME: Introduction to translation COURSE CODE: CC 12	Translation	Exemple de syntagme, pratique de découpage, Pratique de la traduction, problème de la traduction, sous et sur traduction	September Puja vacation 25 Sept. – 10 Nov	4
COURSE NAME: Introduction to translation COURSE CODE: CC 12	Translation	Devoir: Traduisez en français et anglais	October Puja vacation 25 Sept. – 10 Nov	

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE NAME: INTERMEDIATE LEVEL READING AND WRITING SKILLS- 1 COURSE CODE: CC4	Writing: Dialogue Letter/ carte postale Paragraph	Comment peut-on ecrire un dialogue? Dialogue from text book page- 10, 11 La structure d’une carte postale Paragraph: La television peut aider les enfants? Privilegeiz – vous la qualite ou le prix d’un produit lors d’un achat? Decrivez une image	March	9

		Dialogue Page: 23 Question page: 22 Ecrivez une carte postale a votre ami. Vous decrivez votre ville natale. Vous avez vu un film francais/ indien. Ecrivez une carte postale a votre ami en partageant votre commentaire. Paragraph: 1 . Surconsommation 2. Avec les nouvelles technologies tout le monde deviant journaliste. Qu'en pensez- vous? 3. votre ville natale	April	11
		Faisons le points: page16, 28,40 Dialogue Page: 35 Question page: 34 Vous ecrivez a votre ami pour l'inviter a passer les vacances avec vous Paragraph: 1. Lodgement insolite 2.Comment passez-vous vos vacances d'ete? 3. votre premier jour au college Seminar	May	14
		Project on Field work: une visite au muse de votre ville Vous telephonnez a vos parents pour annoncer une nouvelle. Vous etudiez en France. Vous ecrivez une letter a votre ami en decrivant vos activites, vos profs et vos camarades Dialogue Page:47 ,59 Question page:46,58 Paragraph: 1.une journee sans internet	June	10

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

COURSE NAME: ADVANCED READING AND WRITING SKILLS(2) INTRODUCTION TO FRENCH CULTURE & CIVILISATION Course Code: CC8	Official letter Civilisation (géographique)	Comment peut-on écrire une lettre motivation? Comment peut-on écrire un C.V? Les exemples des C.V et les lettres de motivation Civilisations: hexagone, climat, Questions& Answers Sminar 1.Ecrivez une lettre a la municipalite. Les lumieres ne marchent pas votre quartier. 2. Ecrivez une lettre au directeur de votre college pour donner les vacances d'ete 3. Votre department va organiser une pique-nique a Pallabi Nursary. Vous écrivez une lettre au directeur de Pallabi Nursary pour demander des choses necessaries.	March	6
		Lettres officiels Civilisations : paysage Questions& Answers 1. Ecrivez une lettre a un agence bancaire. Vous avez déjà demande la carte bancaire il y a une semaine. Mais vous ne le recevez pas jusqu'a maintenant. 2. Ecrivez une lettre au secretaire pour enregistrer votre nom dans la bibliotheque. Project: Ecrivez une lettre au directeur du muse. Vous voudriez organiser une visite au muse de la ville avec une groupe d'amis. Vous demandez une permission du directeur.	April	2
		Civilisations: Esprit francais, Peuplement, Paris, les regions de France Questions& Answers 1. Ecivez une lettre au banquier pour fermer votre compte 2. Ecrivez une lettre au bureau d'election pour	May	7

		corriger l'orthographe de votre prenom. 3. Ecrivez une letter a une personne celebre et confirmez un rendez-vous avec elle		
		1.Ecrivez une letter a la corporation du transport. Il n'y a pas de bus necessaire. 2.Vous voudriez ouvrir une boutique. Vous avez besoin d'argent. Ecrivez une letter au banquier pour emprunter d'argent 3. Vous ecrivez une letter a votre patron. Vous voudriez quitter votre travail. Vous expliquez la raison. 4. Vous voudriez donner des livres a une bibliotheque. Vous ecrivez une letter a la receptionist. Civilisations: Paris et fonctions Seminar Question Paper solve	June	10
		Quartier Latin. IV Republique, Champ-Elysee Pourquoi Paris est-une ville international? Question Paper solve Class test	July	7

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DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE NAME: INTRODUCTION TO RHETORICS& LITERARY COMPOSITION Course Code: CC 13	Genre Litteraire Proverb avec histoire	Definition du genre litteraire Pourquoi genre litteraire est-il necessaire ? Proverbe (4) Biographie Autobiographie Les differences entre Biographie et Autobiographie Recit du voyage Le Mythe Comedie Farce Expression (5)	February	9
		Difference entre Farce et Comedie Roman Picaresque Essai Roman Realiste Expression (4) Seminar Class test (24.03.23)	March	6
		Epopée Epître Proverbe (5) Expression(5)	April	3
		Roman chevalrique Tragi-comédie Satire Memoires Proverbe(5) Internal Exam	May	5
		Paper solve Proverbe (5)	June	6

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: FRENCH				
NAME OF THE TEACHER:MANDIRA COONDOO				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS:09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
GE 1 (INTRODUCTION OF FRENCH LANGUAGE)	GRAMMAR , VOCABULARY, SEEN COMPREHENSION	INTRODUCTION, ALPHABET, VOCABULAIRE	AUGUST	2
		(TENSE) PRESENT L'INDICATIF, PASSÉ COMPOSÉ, L'IMPARFAIT	SEPTEMBER	8
			OCTOBER	0
		FUTURE , FUTURE PROCHE, PASSÉ RECENT	NOVEMBER	5

		VOCABULAIRE, COMPRÉHENSION ORALE, (CLASS TEST)	DECEMBER	6
		VOCABULAIRE, QUATRE COMPRÉHENSION,	JANUARY	8
		LA RÉVISION ,	FEBRUARY	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC5, INTERMEDIATE LEVEL SPEAKING AND LISTENING SKILL -2	A PROPOS B1, DOSSIER 2, DOSSIER 4	DOSSIER 2 (DISCUSSION SUR LE TEXTE)	JULY	1
		DOSSIER 2 (DISCUSSION SUR LE TEXTE , RESUMÉ)	AUGUST	4
		DOSSIER 4 (DISCUSSION SUR LE TEXTE, VOCABULAIRE , LA DICTÉE)	SEPTEMBER	3
			OCTOBER (PUJA VACATION)	0
		DOSSIER 4 (DISCUSSION SUR LE TEXTE , DISCUTER DES QUESTIONS)	NOVEMBER	3
		LA RÉVISION, (CLASS TEST)	DECEMBER	3

GE 3 COMPREHENSIVE FRENCH	VOCABULARY, UNSEEN COMPREHENSION, GRAMMAR	VOCABULAIRE (UNE LISTE DE MOTS, INTRODUCTION)	JULY	8
		VOCABULAIRE, TENSE, DEUX COMPREHENSION	AUGUST	8
		PRATIQUE LES EXERCICES, COMPREHENSION ORALE	SEPTEMBER	6
			OCTOBER (PUJA VACATION)	0
		VOCABULAIRE, TROIS COMPREHENSION	NOVEMBER	6
		LA RÉVISION , (CLASS TEST)	DECEMBER	6

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 11 HISTORY OF FRENCH AND FRANCOPHONE LITTERATURE	19 TH CENTURY LITERARY MOVEMENT	ROMANTISME (INTRODUCTION) LA VIE ET L'ŒVRE DE QUELQUE ÉCRIVAINS ROMANTIQUES	JULY	12
		RÉALISME (INTRODUCTION) QUELQUE ÉCRIVAINS RÉALISTES	AUGUST	12
		NATURALISME (THÉORIE DE EMILE ZOLA) PARNASSE (DISCUTER LES QUESTIONS)	SEPTEMBER	9
			OCTOBER (PUJA VACATION)	0
		SYMBOLISME DISCUSSION SUR QUELQUE POÈTES SYMBOLISTES, (CLASS TESTE)	NOVEMBER	9

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 3 READING AND WRITING SKILLS 2	VOCABULARY (FROM TEXT BOOK A PROPOS A2)	VOCABULAIRE SUR LE TEXTE ,UNE LISTE DES MOTS (LA MAISON, LE CORPS , LA FAMILLE , LA RUE ETC.)	MARCH	3
		DISCUSSION SUR LES DOSSIERS , VOCABULAIRE	APRIL	4
		PRATIQUER LES EXERCICES (CLASS TEST)	MAY	4
		COMPRÉHENSION ORALE , DISCUTER DES QUESTIONS SUR LA TEXTE	JUNE	4
		LA RÉVISION (CLASS TEST)	JULY	4
GE 2 CULTURE AND CIVILIZATION	FESTIVAL GENERAL COMMUNICA- TION	INTRODUCTION VOCABULAIRE (UNE LISTE DES MOTS)	MARCH	7
		GRAMMAIRE PRATIQUER LES EXERCICES	APRIL	8

		DISCUSSION SUR LES FÊTES, DISCUTER LES QUESTIONS SUR LE TEXTE	MAY	8
		PRATIQUER LES EXERCICES DISCUSSION SUR LES FÊTES DE FRANCE	JUNE	8
		LA RÉVESION (CLASS TEST)	JULY	8

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 9 FRENCH THROUGH CREATIVE ACTIVITIES	A PROPOS B2 DOSSIER 7 DOSSIER 8	DOSSIER 7 DISCUSSION SUR LE TEXTE VOCABULAIRE SUR LE DOSSIER	MARCH	7
		DOSSIER 7 DISCUSSION SUR LE TEXTE. RESUMÉ VOCABULAIRE	APRIL	8
		DOSSIER 8 DISCUSSION SUR LE TEXTE VOCABULAIRE	MAY	8
SEC 2	SEEN COMPREHENSIO N	DOSSIER 8 QUATRE COMPREHENSIONS LA DICTÉE	JUNE	8
		DISCUTER DES QUESTIONS SUR LE TEXTE . ROLE PLAY (CLASS TEST)	JULY	8
GE 4 FRENCH CIVILISATION (DOCUMENT AUTHENTIQUE) WRITTEN EXPRESSION AND COMMUNICATION	PARAGRAPH AND LETTER GENERAL COMMUNICATIO N	GRAMMAIRE , TENSE , VOCABULAIRE	MARCH	7
		COMPREHENSION ORALE , VOCABULAIRE	APRIL	8

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DES 4 REALISTIC NOVEL OF 19 TH CENTURY	UN CŒUR SIMPLE DE GUSTAVE FLAUBERT	DISCUSSION SUR LE RÉALISME , LES CARACTERISTIQUES	FEBRUARY	8
		DISCUSSION SUR LES ÉCRIVAINS RÉALISTES GUSTAVE FLAUBERT, GUY DE MAUPASSANT ETC	MARCH	8
		LA VIE ET L'ŒUVRE DE FLAUBERT	APRIL	8
		DISCUTER LES QUESTIONS SUR LE TEXTE (CLASS TEST)	MAY	8
		LA RÉVISION	JUNE	4

zzzzzzzzCHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT:FRENCH				
NAME OF THE TEACHER: SUMANA DUTTA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS:09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC :5 Intermediate level to speaking & listening skills2. Learning French through French Cinéma& songs.	A Propos B 1	Dossier 1 (Vocabulaire sur le texte, discussion sur le texte)	August	1
		Dossier 1 (Discussion sur le texte, rôleplay,résumé, civilisation, écouter les audios).	September	3
			Puja Vacation 25 th September to 10 th November	
		Ecouter les audio	November	1

		Dossier 2 (Vocabulaire sur le texte ,discussion sur le texte)	December	2
		Discussion sur le texte,roleplay,résumé, civilisation, écouter les audios. L'exama.	January	3
		Ecouter les audios.	February	1
GE :3 (Comprehensive French)	Seen Comprehension & Grammar & Vocabulary	Vocabulaire(uneliste de mots, la famille, l'article défini, l'article indefini)	August	1
		Vocabulaire(la maison, les fruits, la revision de la précédente, le corps, le visage, l'adjectif) Grammaire(l'adjectif démonstratif, l'adjectif possessif). Pratiquer les exercices. Les deux comprehensions.	September	6
			Puja Vacation 25 th September to 10 th November	
		Vocabulaire(le repas et la nourriture et les legumes, les animaux , la cuisine, les fruits, les oiseaux, les couleurs) Grammaire (l'article partitif, La position de 'En' et 'A', la position de l'adjectif .Pratiquer les exercices. Les deux comprehensions.	November	5

		Vocabulaire (les vêtements,le salon) Grammaire(La position de l'adjectif ,le singulier le pluriel).Pratiquer les exercices. Les deux comprehensions.	December	5
		Vocabulaire(les oiseaux et les autres nouveaux mots) Grammaire(l'adverbe).Pratiquer les exercices. Les deux comprehensions. L'exama.	January	8
		Les révisions du grammaire et toutes les choses des dernières classes. Les deux comprehensions.	February	2
DATE OF COMMENCEMENTOF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/GENERAL/ GENERIC		
SEMESTER-V				

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE :II (French philosophers of 18 th century)	Voltaire & Montesquieu	Voltaire (la vie, son caractère)	July	2
		Les œuvres, les idées, les idées religieuses, les philosophes de Voltaire , le style, la révision.	August	8
		Montesquieu (la vie , Montesquieu le révolutionnaire,)	September	2
			Puja Vacation 25 th September to 10 th November	
		Les idées contre absolutism, les idées l'art, les œuvres les philosophes. L'examen.	November	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC:III Reading and Writing skills 2	Unseen Comprehension	Les six comprehensions	March	3
		Les sept comprehensions	April	4
		Les sept comprehensions	May	4
			June	4
		Les sept comprehensions	July	3
GE:II (Culture and Communication)	Food & General Communication	L'introduction des alphabets français et les prononciations, les mots de l'introduction, les mois de l'année, les jours de l'année) . la maison , la famille Grammaire (l'article défini, l'article indéfini)	March	6
		Vocabulaire (les nombres , la nourriture , les repas, les couleurs , les saisons , les legumes). Grammaire (L'adjectif démonstratif,	April	8

		l'adjectif possessif) Introduction de la nourriture (la nourriture française, la nourriture de la région)		
		Vocabulaire (les couleurs, les légumes, les animaux, les oiseaux.) Grammaire (L'article partitif la position des adjectifs, l'utilisation 'A' et 'En'. Les gâteaux français, les fromages français et les questions sur ça, Les communications générales.	May	8
		Grammaire (la courte forme du singulier et pluriel) Les vins français et les questions sur ça. Les communications générales	June	8
		Pratiquer le tout. La révision. Préparation pour le VIVA. L'examen.	July	6

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTIONOF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC :IX, Reading and Writing Skills-2	A Propos B2	Dossier 5 (Vocabulaire sur le texte, discussion sur le texte)	March	6
		Discussion, rôleplay,résumé,civilisation, écouter les audios,révision.	April	8
		Ecouter les audios. Dossier 6 (Vocabulaire sur le texte,discussion sur le texte)	May	8
		Discussion sur le texte, role play,résumé, civilisation , écouter les audios.	June	8
		Ecouter le texte,revision, les autres.	July	6
GE :IV French Civilisation written expression & Communication	French Revolution & General Communication	Vocabulaire(uneliste de mots, la famille, l’articledéfini,l'articleindéfini).	March	6

		Vocabulaire(lamaison,les fruits, la révision de la précédente,lecorps,le visage, l'adjectif) Grammaire(l'adjectifdémonstratif, l'adjectifpossessif). Pratiquer les exercices.	April	8
		Vocabulaire(les repas,lanourriture. Les legumes.les animaux, les fruits. Les oiseaux, les couleurs. Grammaire(larévision de L'article partitive, le sigulier le pluriel). La Révolutionfrançaise(les Causes de la révolutionfrançaise et les questions). Les questions de la communication générale.	May	8
		La révision des precedents. Les conséquences de la Révolution Française et les questions. Les questions de la communication générale La revision.	June	8
		Le règne de Louis XIV et les questions. Les questions de la communication générale. La revision.	July	6

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: HISTORY				
NAME OF THE TEACHER:SOUMYA GOSWAMY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS:09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ✓HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- II Social Formations and Cultural patterns of the Ancient World	I. Polis in Ancient Greece	Origin, features, nature and class composition	AUGUST	2
CC- II Social Formations and Cultural patterns of the Ancient World	I. Polis in Ancient Greece	Sparta and Athens	AUGUST	2
CC- II Social Formations and Cultural patterns of the Ancient World	I. Polis in Ancient Greece	Decline of the Polis	SEPTEMBER	1
CC- II Social Formations and Cultural patterns of the Ancient World	II.Peloponnesian War	Peloponnesian War: Origin; Resources of belligerents	SEPTEMBER	2
CC- II Social Formations and Cultural patterns of the Ancient World	II.Peloponnesian War	Course of war	SEPTEMBER	3

CC- II Social Formations and Cultural patterns of the Ancient World	II.Peloponnesian War	Melos, Mytilene, Periclean strategy	NOVEMBER	3
CC- II Social Formations and Cultural patterns of the Ancient World	II.Peloponnesian War	Sicilian expedition	NOVEMBER	1
CC- II Social Formations and Cultural patterns of the Ancient World	III.Greek Culture and Religion	Sophists	DECEMBER	2
CC- II Social Formations and Cultural patterns of the Ancient World	III.Greek Culture and Religion	Socrates	DECEMBER	2
CC- II Social Formations and Cultural patterns of the Ancient World	III.Greek Culture and Religion	Games	JANUARY	1
CC- II Social Formations and Cultural patterns of the Ancient World	III.Greek Culture and Religion	Drama,	JANUARY	2
CC- II Social Formations and Cultural patterns of the Ancient World	III.Greek Culture and Religion	Art and Architecture	JANUARY	2
CC- II Social Formations and Cultural patterns of the Ancient World	III.Greek Culture and Religion	Greek Gods	FEBRUARY	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ✓HONOURS/ GENERAL/ ✓GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – VI Rise of the Modern West-I (15th & 16th centuries)	I. Transition from Feudalism to Capitalism: problems and theories	Problems and Theories	JULY	3
CC – VI Rise of the Modern West-I (15th & 16th centuries)	II. Early colonial expansion	Motives, voyages and explorations	AUGUST	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	II. Early colonial expansion	The conquests of the Americas: beginning of the era of colonization	AUGUST	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	II. Early colonial expansion	Mining and plantation; the African slaves	AUGUST	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	III. Renaissance	Its social roots, city-states of Italy	AUGUST	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	III. Renaissance	Spread of humanism in Europe	SEPTEMBER	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	III. Renaissance	Art	SEPTEMBER	2

CC – VI Rise of the Modern West-I (15th & 16th centuries)	IV. Origins, course and results of the European Reformation in the 16th century	Origins, course and results of the European Reformation in the 16th century	SEPTEMBER	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	V. Economic developments of the sixteenth century	Shift of economic balance from the Mediterranean to the Atlantic	NOVEMBER	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	V. Economic developments of the sixteenth century	Commercial Revolution	NOVEMBER	1
CC – VI Rise of the Modern West-I (15th & 16th centuries)	VI. Economic developments of the sixteenth century	Influx of American silver and the Price Revolution	DECEMBER	2
CC – VI Rise of the Modern West-I (15th & 16th centuries)	VI Emergence of European state system	Spain	DECEMBER	1
CC – VI Rise of the Modern West-I (15th & 16th centuries)	VI. Emergence of European state system	France	DECEMBER	1
CC – VI Rise of the Modern West-I (15th & 16th centuries)	VI. Emergence of European state system	England	DECEMBER	1

GE – III History of India from 1206 to 1707	I. Mughal power in the post-Akbar era (1606 – 1707 CE)	Mughal empire from Jahangir to Aurangzeb	AUGUST	3
GE – III History of India from 1206 to 1707	II. Economy and Society	Revenue administration of Iqtadari, Jagirdari and Mansabdari;	AUGUST & SEPTEMBER	3
GE – III History of India from 1206 to 1707	II. Economy and Society	Inland and oceanic trade	SEPTEMBER	2
GE – III History of India from 1206 to 1707	III. Religion, Art and Architecture	Religion -Sufism,	SEPTEMBER	2
GE – III History of India from 1206 to 1707	III. Religion, Art and Architecture	Religion-Bhakti movement	NOVEMBER	2
GE – III History of India from 1206 to 1707	III. Religion, Art and Architecture	Art---painting, sculpture and architecture	DECEMBER	2
GE – III History of India from 1206 to 1707	III. Religion, Art and Architecture	Literature—Persian and regional	DECEMBER	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ✓HONOURS/ ✓GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- XII Studying History Writing: Indian and Western	I. Time Space and Human Agency	Notion of Time and Space in History	JULY	2
CC- XII Studying History Writing: Indian and Western	II. Importance of sources in History	Written, Oral, Visual and Archaeological Sources	JULY	3
CC- XII Studying History Writing: Indian and Western	II. Importance of sources in History	Classification of Primary and Secondary sources; Source criticism and authentication	AUGUST	3
CC- XII Studying History Writing: Indian and Western	III. Philosophy and Theory of History	Facts and Interpretation	AUGUST	1
CC- XII Studying History Writing: Indian and Western	III. Philosophy and Theory of History	Philosophy of History	AUGUST	2
CC- XII Studying History Writing: Indian and Western	III. Philosophy and Theory of History	Hypothesis, argumentation and Problematique	AUGUST	1
CC- XII Studying History Writing: Indian and Western	III. Philosophy and Theory of History	Objectivity/Subjectivity in History	AUGUST	1
CC- XII Studying History Writing: Indian and Western	III. Philosophy and Theory of History	Historical Narrative and Generalization	AUGUST	1
CC- XII Studying History Writing: Indian and Western	IV. Indian and Western Historiography	Pre-colonial forms of writing Indian History - Different schools of Indian historiography (Cambridge, Nationalists, Marxists, Subaltern)	SEPTEMBER	5

CC- XII Studying History Writing: Indian and Western	IV. Indian and Western Historiography	Different schools of Western historiography (Rationalist, Romantist, Positivist, Marxist and Annales	SEPTEMBER	5
CC- XII Studying History Writing: Indian and Western	V. History and other disciplines	Relationship between History and Science	NOVEMBER	1
CC- XII Studying History Writing: Indian and Western	V. History and other disciplines	History and Anthropology	NOVEMBER	1
CC- XII Studying History Writing: Indian and Western	V. History and other disciplines	History and Literature	NOVEMBER	1
CC- XII Studying History Writing: Indian and Western	VI. Research Process in History	Different stages and steps involved in the process of doing research in History	NOVEMBER	2
DSE 1A Some Aspects of Society & Economy of Modern Europe: 15- 18 Century	I. Political and Economic Structure of the Feudal Era	Origins of Feudalism; Nature of Feudal Society; Regional Variation; Crisis in Feudalism; Transition debate	JULY & AUGUST	4
DSE 1A Some Aspects of Society & Economy of Modern Europe: 15- 18 Century	II. Renaissance & the Rise of Modern Europe	Origins; Reason behind Renaissance	AUGUST	2
DSE 1A Some Aspects of Society & Economy of Modern Europe: 15- 18 Century	II. Renaissance & the Rise of Modern Europe	Humanism; Rediscovery of Classics ; Italian Renaissance and its Impact	SEPTEMBER	3
DSE 1A Some Aspects of Society & Economy of Modern Europe: 15-18 Century	III. European Reformation	Background, nature and impact	SEPTEMBER	2
DSE 1A Some Aspects of Society & Economy of Modern Europe: 15-18 Century	III. European Reformation	Martin Luther & Protestant Reformation	NOVEMBER	2
DSE 1A Some Aspects of Society & Economy of Modern Europe: 15-18 Century	III. European Reformation	Reformation Movements and European States	NOVEMBER	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- III History of India III (600 -1206)	I. Agrarian Structure and Social Change	Land grants	MARCH	2
CC- III History of India III (600 -1206)	I. Agrarian Structure and Social Change	Agricultural expansion	MARCH	2
CC- III History of India III (600 -1206)	I. Agrarian Structure and Social Change	The Feudal Debate	APRIL	2
CC- III History of India III (600 -1206)	I. Agrarian Structure and Social Change	Proliferation of castes	APRIL	2
CC- III History of India III (600 -1206)	I. Agrarian Structure and Social Change	Status of untouchables	APRIL	1
CC- III History of India III (600 -1206)	II. Trade and Commerce	Inter-regional trade; Maritime trade; Forms of exchange	MAY	4
CC- III History of India III (600 -1206)	II. Trade and Commerce	Process of urbanization and de -urbanization	MAY	2
CC- III History of India III (600 -1206)	II. Trade and Commerce	Merchant Guilds of South India	MAY	2

CC- III History of India III (600 -1206)	III. Religious and Cultural Developments	Bhakti, Tantricism, Puranic traditions	JUNE	3
CC- III History of India III (600 -1206)	III. Religious and Cultural Developments	Buddhism and Jainism	JUNE	2
CC- III History of India III (600 -1206)	III. Religious and Cultural Developments	Popular religious cults	JUNE	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-IX History of India (1757 – 1857)	I. Foundation of the Company's Rule	Early contestations between the Dutch, French and the British East India Company	MARCH	1
CC-IX History of India (1757 – 1857)	I. Foundation of the Company's Rule	Bengal Nawabs and the battle of Plassey	MARCH	1
CC-IX History of India (1757 – 1857)	I. Foundation of the Company's Rule	Buxar and the grant of Dewani	MARCH	2
CC-IX History of India (1757 – 1857)	I. Foundation of the Company's Rule	Anglo Mysore; Anglo Maratha and Anglo Sikh relations	MARCH	3
CC-IX History of India (1757 – 1857)	I. Foundation of the Company's Rule	The Subsidiary alliance and the Doctrine of Lapse	MARCH	1
CC-IX History of India (1757 – 1857)	II Legitimation of Company's rule in India	Regulating Act; Pitt's India Act; Charter Acts of 1813, 1833 and 1853	APRIL	2
CC-IX History of India (1757 – 1857)	II Legitimation of Company's rule in India	Administrative, Military, Police and Educational Reforms	APRIL	2
CC-IX History of India (1757 – 1857)	III. Rural Economy and Society	Land revenue systems. Permanent settlement, Rayatwari and Mahalwari	APRIL	2
CC-IX History of India (1757 – 1857)	III. Rural Economy and Society	Commercialization of agriculture and indebtedness	APRIL	1

CC-IX History of India (1757 – 1857)	III. Rural Economy and Society	Rural society: change and continuity	APRIL	1
CC-IX History of India (1757 – 1857)	III. Rural Economy and Society	Famines	MAY	1
CC-IX History of India (1757 – 1857)	IV. Trade and Industry	De industrialization; Trade and fiscal policy	MAY	2
CC-IX History of India (1757 – 1857)	IV. Trade and Industry	Drain of Wealth; Growth of modern industry	MAY	2
CC-IX History of India (1757 – 1857)	V. Renaissance and Reforms	Bengal Renaissance and Socio-religious Reforms: Rammohan Roy (Brahma Samaj),	MAY	3
CC-IX History of India (1757 – 1857)	V. Renaissance and Reforms	Young Bengal, Vidyasagar and Others	MAY	2
CC-IX History of India (1757 – 1857)	V. Renaissance and Reforms	Educational Reforms initiated by the Company	JUNE	1
CC-IX History of India (1757 – 1857)	VI. Popular Resistance	Santhal uprising (1856-7); Sanyasi Uprising, KolBhumij uprising	JUNE	2
CC-IX History of India (1757 – 1857)	VI. Popular Resistance	Wahabi and Faraizi Uprising	JUNE	2
CC-IX History of India (1757 – 1857)	VI. Popular Resistance	Revolt of 1857: causes and nature	JUNE	2
GE – IV History of India from 1707-1950	I. Regional States and rise of the Company's rule	Bengal – Battle of Plassey, Buxar and Dewani	MARCH	3

GE – IV History of India from 1707-1950	I. Regional States and rise of the Company's rule	Marathas and Anglo Maratha relation	MARCH	1
GE – IV History of India from 1707-1950	I. Regional States and rise of the Company's rule	Mysore and Anglo Mysore relation	APRIL	1
GE – IV History of India from 1707-1950	I. Regional States and rise of the Company's rule	Anglo Sikh relations	APRIL	1
GE – IV History of India from 1707-1950	II. Land Settlements, peasant and Tribal revolts up to 1857	Permanent settlement and Ryotwari	APRIL	1
GE – IV History of India from 1707-1950	II. Land Settlements, peasant and Tribal revolts up to 1857	Tribal and Peasant revolts- Wahabi, Fairazi and Santal	MAY	2
GE – IV History of India from 1707-1950	III. Socio- Religious Reform Movements in the 19th century	Rammohan Roy	MAY	1
GE – IV History of India from 1707-1950	III. Socio- Religious Reform Movements in the 19th century	Vidyasagar	JUNE	1
GE – IV History of India from 1707-1950	III. Socio- Religious Reform Movements in the 19th century	Young Bengal; AryaSamaj	JUNE	2
GE – IV History of India from 1707-1950	III. Socio- Religious Reform Movements in the 19th century	Growth of a new middle class	JUNE	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-III History of Modern East Asia (1840 – 1919)	I. Pre-colonial China	Nature and structure of the traditional Chinese society; The peasantry and gentry	FEBRUARY	2
DSE-III History of Modern East Asia (1840 – 1919)	I. Pre-colonial China	Government bureaucracy and central control; The Confucian value system	FEBRUARY	2
DSE-III History of Modern East Asia (1840 – 1919)	I. Pre-colonial China	China's pre-modern economy	FEBRUARY	1
DSE-III History of Modern East Asia (1840 – 1919)	II. Anglo Chinese relations till the Opium War	The Tribute system; the Canton trade and its collapse.	FEBRUARY	3
DSE-III History of Modern East Asia (1840 – 1919)	II. Anglo Chinese relations till the Opium War	First & Second Opium Wars—the unequal treaties.	MARCH	2
DSE-III History of Modern East Asia (1840 – 1919)	II. Anglo Chinese relations till the Opium War	Financial Imperialism: Open Door policy	MARCH	1
DSE-III History of Modern East Asia (1840 – 1919)	III. Rebellion, Restoration and Nationalism	The Taiping Rebellion: causes, nature and failure	MARCH	2
DSE-III History of Modern East Asia (1840 – 1919)	III. Rebellion, Restoration and Nationalism	Tung- Chih Restoration; the Hundred Days' Reform and the Self –Strengthening Movement	MARCH	3
DSE-III History of Modern East Asia (1840 – 1919)	III. Rebellion, Restoration and Nationalism	Boxer Uprising; causes, nature and failure.	MARCH & APRIL	2

DSE-III History of Modern East Asia (1840 – 1919)	III. Rebellion, Restoration and Nationalism	The Revolution of 1911: background and causes, nature and significance; role of Dr Sun Yat- Sen; principles and politics, formation of the Republic; Yuan Shih-kai and warlordism; the rise of the Kuomintang	APRIL	6
DSE-III History of Modern East Asia (1840 – 1919)	IV. Pre-Meiji Japan	Tokugawa Shogunate: the feudal society and the government; Shintoism.	APRIL	2
DSE-III History of Modern East Asia (1840 – 1919)	IV. Pre-Meiji Japan	Economic condition	MAY	1
DSE-III History of Modern East Asia (1840 – 1919)	IV. Pre-Meiji Japan	Encounter with the West: the Perry Mission; the opening of the Japan to the west	MAY	2
DSE-III History of Modern East Asia (1840 – 1919)	IV. Pre-Meiji Japan	The crisis and fall of the Shogunate	MAY	1
DSE-III History of Modern East Asia (1840 – 1919)	V. Meiji Restoration	Causes and nature of Restoration	MAY	1
DSE-III History of Modern East Asia (1840 – 1919)	V. Meiji Restoration	Transformation of Japan: process of modernization	MAY	1
AYDSE-III History of Modern East Asia (1840 – 1919)	V. Meiji Restoration	Meiji Constitution	JUNE	1
DSE-III History of Modern East Asia (1840 – 1919)	VI. Expansion of Japan up to the First World War	Sino-Japanese war (1894-95); The Anglo-Japanese Alliance (1902)	JUNE	2
DSE-III History of Modern East Asia (1840 – 1919)	VI. Expansion of Japan up to the First World War	Contest for Korea and the Russo-Japanese war (1904-05)	JUNE	1

DSE-III History of Modern East Asia (1840 – 1919)	VI. Expansion of Japan up to the First World War	Japan and the First World War.	JUNE	1
DSE- IV History of China and Japan (1919 – 1939)	I. Nationalism in China	Emergence of the Republic and Yuan Shih Kai: Warlordism	FEBRUARY	2
DSE- IV History of China and Japan (1919 – 1939)	I. Nationalism in China	May 4th Movement: origin, nature and significance.	FEBRUARY	2
DSE- IV History of China and Japan (1919 – 1939)	II. The Kuomintang and the Nationalist government	The rise of the Kuomintang Party: Political crisis in the 1920s; The First United Front	MARCH	3
DSE- IV History of China and Japan (1919 – 1939)	II. The Kuomintang and the Nationalist government	Chiang Kai-shek: the KMT-CCP conflict	APRIL	1
DSE- IV History of China and Japan (1919 – 1939)	II. The Kuomintang and the Nationalist government	Ten Years of Nanking Government	APRIL	1
DSE- IV History of China and Japan (1919 – 1939)	III. The Communist Victory in China	Background of the foundation of the Communist Party	APRIL	1
DSE- IV History of China and Japan (1919 – 1939)	III. The Communist Victory in China	CCP under Mao Tse-tung: the making of the Red Army; the Second United Front; Long March	MAY	3
DSE- IV History of China and Japan (1919 – 1939)	III. The Communist Victory in China	The Yen-an experiment	MAY	1
DSE- IV History of China and Japan (1919 – 1939)	III. The Communist Victory in China	The Chinese Revolution (1949): Ideology, causes and significance; the establishment of the Peoples' Republic of China	JUNE	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: HISTORY				
NAME OF THE TEACHER: NOOR BANO SATTAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	Reconstructing Ancient Indian History	Introductory class: Early Indian notions of History	AUGUST, 2022	1
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	Reconstructing Ancient Indian History	Sources and tools of historical reconstruction	SEPTEMBER, 2022	3
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	Reconstructing Ancient Indian History	Historical interpretations with special reference to gender, environment, technology, and regions	SEPTEMBER, 2022	1
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	Phases of Pre- historic Cultures	Paleolithic Culture, regional and chronological distribution;	SEPTEMBER, 2022	1
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	Phases of Pre- historic Cultures	Mesolithic Culture regional and chronological distribution;	SEPTEMBER, 2022	2
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	Phases of Pre- historic Cultures	Neolithic cultures- regional and chronological distribution;	NOVEMBER 2022	2
CC-1 Course Title HISTORY OF INDIA- I (From Earliest times to 600 AD)	Phases of Pre- historic Cultures	new developments in technology and economy; subsistence, and patterns of exchange	NOVEMBER 2022	1

CC-1 Course Title HISTORY OF INDIA- I (From Earliest times to 600 AD)	Phases of Pre-historic Cultures	Mehergarh - The advent of food production	DECEMBER 2022	1
CC-1 Course Title HISTORY OF INDIA- I (From Earliest times to 600 AD)	The Harappan civilization	Origins; Antiquity and Extent	DECEMBER 2022	1
CC-1 Course Title HISTORY OF INDIA- I (From Earliest times to 600 AD)	The Harappan civilization	settlement patterns and town planning; with special emphasis on Harappa, Mohenjodaro, Dholavira, Lothal and Kalibangan	DECEMBER 2022	2
CC-1 Course Title HISTORY OF INDIA- I (From Earliest times to 600 AD)	The Harappan civilization	agrarian base; craft productions and trade;	DECEMBER 2022	3
CC-1 Course Title HISTORY OF INDIA- I (From Earliest times to 600 AD)	The Harappan civilization	religious beliefs and practices	JANUARY 2023	1
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	The Harappan civilization	Harappan art;	JANUARY 2023	1
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	The Harappan civilization	the problem of urban decline	JANUARY 2023	2
CC-1 Course Title: HISTORY OF INDIA- I (From Earliest times to 600 AD)	The Harappan civilization	late/post-Harappan traditions	FEBRUARY 2023	1
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	Sources; Prehistory and Proto-historic cultures	A broad survey of Paleolithic, Mesolithic And Neolithic Cultures,	AUGUST, 2022	2
GE -1 I Course Title: History of India (From Earliest Times to 300 AD)	Sources; Prehistory and Proto-historic cultures	Bronze age civilization - Harappan Civilization Origin, Extent,	SEPTEMBER, 2022	1
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	Sources; Prehistory and Proto-historic cultures	Dominant features of the Harappan culture	SEPTEMBER, 2022	1
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	Sources; Prehistory and Proto-historic cultures	Decline of the Harappan culture	SEPTEMBER, 2022	1
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	The Vedic Period	Polity and society of the early and later Vedic period	NOVEMBER 2022	2
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	The Vedic Period	Economy of the early and later Vedic period	NOVEMBER 2022	1

GE -1 Course Title: History of India (From Earliest Times to 300 AD)	The Vedic Period	Iron age with reference to PGW & Megaliths.	NOVEMBER 2022	1
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	Jainism and Buddhism	Causes, Doctrines, Spread of Buddhism	DECEMBER 2022	2
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	Jainism and Buddhism	Decline and Contributions of Buddhism	DECEMBER 2022	1
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	Jainism and Buddhism	Causes, Doctrines, Spread of Jainism	JANUARY 2023	1
GE -1 Course Title: History of India (From Earliest Times to 300 AD)	Overall	Discussion on previous years long and short answer type questions	FEBRUARY 2023	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-1 Course Title: Archives and museums in India	Definition and history of development (with special reference to India)	Definition of a Museum History of the Growth and development of Museums - European countries	JULY,2022	1
SEC-1 Course Title: Archives and museums in India	Definition and history of development (with special reference to India)	History of the Growth and development of Museums - European countries in India	AUGUST, 2022	2
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Museum types and Functions	AUGUST, 2022	1
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Collection management: Museum acquisition, collection management policies, collection management ethics	AUGUST, 2022	2
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Museum Documentation: Museum Accessioning, Cataloguing, Indexing, digital documentation, Deaccessioning	AUGUST, 2022	3

SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Preservation: curatorial care, preventive conservation, chemical preservation and restoration	AUGUST, 2022	2
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Origin and Definition of an Archive	SEPTEMBER, 2022	1
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Development of Archives in India	SEPTEMBER, 2022	2
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Types of Archives	SEPTEMBER, 2022	1
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Collection Policies in Archive	SEPTEMBER, 2022	1
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Documentation in Archives	SEPTEMBER, 2022	2
SEC-1 Course Title: Archives and museums in India	Types of archives and museums	Conservation, Preservation and Restoration in archival holdings	NOVEMBER, 2022	2
SEC-1 Course Title: Archives and museums in India	Museum Presentation and Exhibition	Museum Exhibition	NOVEMBER, 2022	1
SEC-1 Course Title: Archives and museums in India	Museum Presentation and Exhibition	Museum Presentation Techniques; two dimensional, three-dimensional, audio-video aids,	DECEMBER 2022	2
SEC-1 Course Title: Archives and museums in India	Museum Presentation and Exhibition	Museum Presentation; types of showcases used, lighting	DECEMBER 2022	2
SEC-1 Course Title: Archives and museums in India	Museums, Archives and Society	Education and communication	DECEMBER 2022	1
SEC-1 Course Title: Archives and museums in India	Museums, Archives and Society	Outreach activities	DECEMBER 2022	1
SEC-1 Course Title: Archives and museums in India	OVERALL	Discussion on previous years long and short answer type questions	DECEMBER 2022	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		

SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	The land environs and places	Historical Geography: Sources, geographical conditions of ancient Bengal, River system	JULY,2022	2
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	The land environs and places	ancient and medieval divisions: Pundra, Varendra, Gauda, Radha, Suhma, Vanga, Vangala, Samatata, Harikela	AUGUST, 2022	3
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	People and Society	Demography and ethnology – earliest inhabitants; Aryanization of Bengal;	AUGUST, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	People and Society	Rise of different castes and communities of Bengal: Brahmanas and Non-Brahmanas (Sudra)	AUGUST, 2022	2
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	People and Society	Position of women	AUGUST, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Political development of Bengal-an overview	Bengal up to Gupta period	AUGUST, 2022	1

Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Political development of Bengal-an overview	Rise of sovereign Bengal, Sasanka	AUGUST, 2022	2
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Political development of Bengal-an overview	Pre - Pala rulers: Rata, Deva, Khadga	AUGUST, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Political development of Bengal-an overview	Pala Rule in Bengal, Dharmapala, Devapala, Tripartite struggle	SEPTEMBER, 2022	4
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Political development of Bengal-an overview	The Muslim invasion and rise of Islam in Bengal up to the rule of the Nawabs	SEPTEMBER, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Economic life in Bengal	Agriculture, crafts and industries	SEPTEMBER, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Economic life in Bengal	Trade and commerce	SEPTEMBER, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Economic life in Bengal	Rise of Calcutta and Murshidabad;	SEPTEMBER, 2022	2

Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Economic life in Bengal	Emergence of Zamindari system	SEPTEMBER, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Religions and art in Bengal	Spread of Brahmanism and Brahmanic culture; Vaishnavism	SEPTEMBER, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Religions and art in Bengal	Spread of Buddhism and Jainism	NOVEMBER, 2022	1
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Religions and art in Bengal	Sri Chaitanya and Bhakti movement, Sufism	NOVEMBER, 2022	2
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Religions and art in Bengal	Architecture in Bengal: Stupa, temples, monasteries	NOVEMBER, 2022	2
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Religions and art in Bengal	Paharpur, Bishnupur, Terracotta art	NOVEMBER, 2022	2
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Literature and traits of regional culture	Pre-Bengali Sanskrit literature-kavyas, Jaydeb, Umapati Dhar, Dhoyi	NOVEMBER, 2022	1

Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Literature and traits of regional culture	The rise and development of Bengali language and literature- Caryāpadas; Kirtivasa and Kasiram Das, the Mangalkavyas,	NOVEMBER, 2022	2
Discipline Specific Elective (DSE-1) Course Title: LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid-18th century.	Literature and traits of regional culture	Origin of Folk traditions of Bengal	NOVEMBER, 2022	1
SEC-3 Course Title An Introduction to Archaeology	Definition & Components	Introduction to Archaeology and its definition, excavation, exploration	JULY, 2022	1
SEC-3 Course Title An Introduction to Archaeology	Definition & Components	Artefacts, Eco fact, Biofact	AUGUST, 2022	1
SEC-3 Course Title An Introduction to Archaeology	Historiographical Trends	New Archaeology, ethnoarchaeology, Anthropology, Geology, History	AUGUST, 2022	2
SEC-3 Course Title An Introduction to Archaeology	Historiographical Trends	Pre-history and Archaeology	AUGUST, 2022	1
SEC-3 Course Title An Introduction to Archaeology	Research Methodologies	phases of research methodology: Exploration, Excavation	AUGUST, 2022	3
SEC-3 Course Title An Introduction to Archaeology	Research Methodologies	phases of research methodology: Documentation and cataloguing	SEPTEMBER, 2022	1
SEC-3 Course Title An Introduction to Archaeology	Research Methodologies	Scientific methods of dating artifacts	SEPTEMBER, 2022	1
SEC-3 Course Title An Introduction to Archaeology	Definition of Historical Sites & Explorations	Archeological sites in India	SEPTEMBER, 2022	1

SEC-3 Course Title An Introduction to Archaeology	Field Work & Tools of research		SEPTEMBER, 2022	2
SEC-3 Course Title An Introduction to Archaeology	Documentation, Codification	Documentation of artifacts, Eco fact and biofact	JANUARY, 2022	2
SEC-3 Course Title An Introduction to Archaeology	Classification, Analysis of findings and publications		JANUARY, 2022	2
SEC-3 Course Title An Introduction to Archaeology	OVERALL	Discussion on previous years long and short answer type questions	JANUARY, 2022	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Economic developments in Europe (7th to 14 th centuries)	Introductory Class- History of Medieval Europe	MARCH, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Economic developments in Europe (7th to 14 th centuries)	Rise of Feudalism in Western Europe	MARCH, 2023	2
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Economic developments in Europe (7th to 14 th centuries)	Chivalry	MARCH, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Economic developments in Europe (7th to 14 th centuries)	Manorialism	APRIL, 2023	1

CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	Carolingian Renaissance	APRIL, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	History of the Church, growth of Papacy	APRIL, 2023	2
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	Cluniac Reform Movement	MAY, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	12 th Century Renaissance	MAY, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	Monasticism	MAY, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	Scholasticism	MAY, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	Universities in Middle Ages	MAY, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	The medieval Towns	JUNE, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	Medieval Trade and Commerce-Guild	JUNE, 2023	1
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Religion and culture in medieval Europe	Medieval Art and Architecture	JUNE, 2023	2
CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Societies in Central Islamic Lands	The tribal background, ummah, Caliphate state; rise of Sultanates	JUNE, 2023	1

CC-4 Course Title: Social Formation and Cultural Pattern of the Medieval World	Societies in Central Islamic Lands	Religious developments: the origins of shariah, Mihna, Sufism, Urbanization and trade	JUNE, 2023	2
Hons. Generic Elective GE- II Course Title: History of India (From 300 to 1206 AD)	Towards Early Medieval: South India	History of South India: Introductory class	MARCH, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Towards Early Medieval: South India	Chalukyas, Pulakeshin II	MARCH, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Towards Early Medieval: South India	Pallavas, kings and rulers	MARCH, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Towards Early Medieval: South India	Pallavas; art and architecture	APRIL, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Towards Early Medieval: South India	Rashtrakutas	APRIL, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Towards Early Medieval: South India	The Cholas; Rajaraja I and Rajendra Chola, naval warfare	APRIL, 2023	3
GE- II Course Title: History of India (From 300 to 1206 AD)	Towards Early Medieval: South India	Chola temple and Chola art	MAY, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Society, Economy and Culture in Early Medieval	The Feudalism debate	MAY, 2023	2
GE- II Course Title: History of India (From 300 to 1206 AD)	Society, Economy and Culture in Early Medieval	Changes in Society, Economy and Culture	MAY, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Arrival of Islam in India	Arab conquest of Sindh	MAY, 2023	1

GE- II Course Title: History of India (From 300 to 1206 AD)	Arrival of Islam in India	Struggle for power in Northern India & establishment Of Sultanate.	JUNE, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Arrival of Islam in India	Invasion of the Turks; Sultan Mahmud of Ghazni	JUNE, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Arrival of Islam in India	Invasion of the Turks; Ghurids	JUNE, 2023	1
GE- II Course Title: History of India (From 300 to 1206 AD)	Overall	Discussion on previous years long and short answer type questions	JUNE, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Prehistoric and protohistoric art	Rock art with special reference to Bhimbetka	MARCH, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Prehistoric and protohistoric art	Harappan arts and crafts, Terracotta art	MARCH, 2023	2
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Iconography and Numismatic art	MARCH, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Buddhist architecture: Stupa	APRIL, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Mauryan art and architecture	APRIL, 2023	2
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Sunga and Gandhara art	APRIL, 2023	2
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Ajanta paintings	MAY, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Temple architecture: Introductory class	MAY, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Orissan Temples: Nagara style	MAY, 2023	1

SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Pallava rathas and structural temples: Dravida style	MAY, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Bengal; Paharpur sculptures and architecture	MAY, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Bengal; Pala manuscript paintings	JUNE, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Chola temple with reference to Brihadiśvara temple and Chola bronze	JUNE, 2023	2
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian art and architecture (c. 1200 CE – 1800 CE)	Indo-Islamic Architecture 1: Sultanate period	JUNE, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Indian art and architecture (c. 1200 CE – 1800 CE)	Indo-Islamic Architecture 1: Mughal	JUNE, 2023	1
SEC-2 Course Title: Art Appreciation: An Understanding to Indian Art	Modern and Contemporary Indian art and Architecture	Bengal School of Art	JUNE, 2023	1
SEC-2 Course Title: Understanding Heritage	Defining Heritage	Meaning of 'antiquity', 'archaeological site', 'tangible heritage', 'Intangible heritage' and 'art treasure'	MARCH, 2023	1
SEC-2 Course Title: Understanding Heritage	Evolution of Heritage Legislation and the Institutional Framework	The History of Archaeology in India, Role of ASI	MARCH, 2023	1
SEC-2 Course Title: Understanding Heritage	Evolution of Heritage Legislation and the Institutional Framework	The History of Antiquarian Laws in India	MARCH, 2023	1
SEC-2 Course Title: Understanding Heritage	Evolution of Heritage Legislation and the Institutional Framework	The present situation in Legislation	APRIL, 2023	1

SEC-2 Course Title: Understanding Heritage	Evolution of Heritage Legislation and the Institutional Framework	Conventions-heritage	APRIL, 2023	1
SEC-2 Course Title: Understanding Heritage	Evolution of Heritage Legislation and the Institutional Framework	National and International Heritage	APRIL, 2023	1
SEC-2 Course Title: Understanding Heritage	Evolution of Heritage Legislation and the Institutional Framework	Heritage Protection	MAY, 2023	1
SEC-2 Course Title: Understanding Heritage	Challenges facing Tangible and Intangible Heritage	Illicit Trafficking	MAY, 2023	1
SEC-2 Course Title: Understanding Heritage	Challenges facing Tangible and Intangible Heritage	National legal framework to counter Pillage	MAY, 2023	1
SEC-2 Course Title: Understanding Heritage	Challenges facing Tangible and Intangible Heritage	International legal framework to counter Pillage, theft, smuggling	MAY, 2023	1
SEC-2 Course Title: Understanding Heritage	Challenges facing Tangible and Intangible Heritage	Organizational framework to Counter Pillage, ICMS, steps to stop Pillage	MAY, 2023	1
SEC-2 Course Title: Understanding Heritage	Heritage and Travel	Discussion on World heritage sites by UNESCO	JUNE, 2023	1
SEC-2 Course Title: Understanding Heritage	Heritage and Travel	World heritage site inscription criteria	JUNE, 2023	1
SEC-2 Course Title: Understanding Heritage	Heritage and Travel	Heritage Industry, Tourism	JUNE, 2023	2
SEC-2 Course Title: Understanding Heritage	Overall	Discussion on previous years long and short answer type questions	JUNE, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Prehistoric and protohistoric art	Rock art with special refernce to Bhimbetka	FEBRUARY, 2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Prehistoric and protohistoric art	Harappan arts and crafts, Terracotta art	FEBRUARY, 2023	2
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Iconography and Numismatic art	FEBRUARY, 2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Buddhist architecture: Stupa	FEBRUARY, 2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Mauryan art and architecture	MARCH, 2023	2
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Sunga and Gandhara art	MARCH, 2023	2
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian art (c. 600 BCE – 600 CE)	Ajanta paintings	MARCH, 2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Temple architecture: Introductory class	APRIL, 2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Orissan Temples: Nagara style	APRIL, 2023	1

SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Pallava rathas and structural temples: Dravida style	APRIL,2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Bengal; Paharpur sculptures and architecture	MAY,2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Bengal; Pala manuscript paintings	MAY,2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian Art (c. 600 CE – 1200 CE)	Chola temple with reference to Brihadiśvara temple and Chola bronze	MAY,2023	2
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian art and architecture (c. 1200 CE – 1800 CE)	Indo-Islamic Architecture 1: Sultanate period	MAY,2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Indian art and architecture (c. 1200 CE – 1800 CE)	Indo-Islamic Architecture 1: Mughal	JUNE,2023	1
SEC-4 Course Title Art Appreciation: An Understanding to Indian Art	Modern and Contemporary Indian art and Architecture	Bengal School of Art	JUNE,2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: HISTORY				
NAME OF THE TEACHER: SAIKA HOSSAIN				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- II Social Formations and Cultural patterns of the Ancient World	I. Evolution of Human Society & Food Production	Evolution of Human Society	SEPTEMBER, 2023	2
CC- II Social Formations and Cultural patterns of the Ancient World	I. Evolution of Human Society & Food Production	Beginnings of agriculture	NOVEMBER, 2022	3
CC- II Social Formations and Cultural patterns of the Ancient World	I. Evolution of Human Society & Food Production	Beginnings of animal husbandry	DECEMBER, 2022	1
CC- II Social Formations and Cultural patterns of the Ancient World	II. Bronze Age Civilization with reference to Mesopotamia (upto the Akkadian Empire)	Economy in the Bronze Age Civilization	DECEMBER, 2022	3

CC- II Social Formations and Cultural patterns of the Ancient World	II. Bronze Age Civilization with reference to Mesopotamia (upto the Akkadian Empire)	Social Stratification in the Mesopotamian Civilization	JANUARY, 2023	2
CC- II Social Formations and Cultural patterns of the Ancient World	II. Bronze Age Civilization with reference to Mesopotamia (upto the Akkadian Empire)	State structure and religion in the Mesopotamian Civilization	FEBRUARY, 2023	3
CC- II Social Formations and Cultural patterns of the Ancient World	III. Nomadic Groups in Central Asia and West Asia	Debate on the advent of iron and its implications	FEBRUARY, 2023	2

DATE OF COMMENCEMENT OF CLASSES:
25.07.2022

DATE OF DISSOLUTION OF CLASSES:
26.12.2022

ACADEMIC SESSION:
2022-2023

PROGRAM TYPE:
HONOURS/ GENERAL/ GENERIC

SEMESTER: III

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-V History of India (1206-1526)	I. Sources of Studying/Interpreting the Delhi Sultanate	Survey of sources of the Delhi Sultanate and the Persian tradition	JULY 2022	3

CC-V History of India (1206-1526)	I. Sources of Studying/Interpreting the Delhi Sultanate	Vernacular histories & Epigraphy	AUGUST 2022	2
CC-V History of India (1206-1526)	II. Sultanate Political Structures	Foundation, Expansion and Consolidation of the Sultanate of Delhi, the Iltbaris,	AUGUST 2022	2
CC-V History of India (1206-1526)	II. Sultanate Political Structures	Foundation, Expansion and Consolidation of the Khaljis,	SEPTEMBER 2022	2
CC-V History of India (1206-1526)	II. Sultanate Political Structures	Foundation, Expansion and Consolidation of the Tughluqs	SEPTEMBER 2022	2
CC-V History of India (1206-1526)	II. Sultanate Political Structures	Foundation, Expansion and Consolidation of the Sayyids & the Lodhis & The First Battle of Panipat	NOVEMBER, 2022	2
CC-V History of India (1206-1526)	III. Regional Political Structures	Emergence of Provincial Dynasties: the Bahamanis	NOVEMBER, 2022	2
CC-V History of India (1206-1526)	III. Regional Political Structures	Emergence of Provincial Dynasties: the Vijaynagar	DECEMBER 2022	2
CC-V History of India (1206-1526)	III. Regional Political Structures	Bengal Consolidation of regional identities.	DECEMBER, 2022	1
CC-V History of India (1206-1526)	IV. Sultanate Society and Economy-I	Iqta and the revenue-free grants	DECEMBER, 2022	1
CC-V History of India (1206-1526)	IV. Sultanate Society and Economy-I	Agricultural Production	JANUARY, 2023	1

CC-V History of India (1206-1526)	V. Sultanate Society and Economy-2	Changes in rural society & the revenue systems	JANUARY, 2022	1
GE – III History of India from 1206 to 1707	I. Political History of Delhi Sultanate	Foundation, Expansion and Consolidation of the Sultanate of Delhi, the Ilbaris,	SEPTEMBER 2022	2
GE – III History of India from 1206 to 1707	I. Political History of Delhi Sultanate	Foundation, Expansion and Consolidation of the Khaljis,	SEPTEMBER 2022	2
GE – III History of India from 1206 to 1707	I. Political History of Delhi Sultanate	Foundation, Expansion and Consolidation of the Tughluqs	NOVEMBER, 2022	2
GE – III History of India from 1206 to 1707	I. Political History of Delhi Sultanate	Foundation, Expansion and Consolidation of the Sayyids & the Lodhis & The First Battle of Panipat	NOVEMBER, 2022	2
GE – III History of India from 1206 to 1707	II. Regional Political Formations	Emergence of Provincial Dynasties: the Vijaynagar	DECEMBER, 2022	2
GE – III History of India from 1206 to 1707	II. Regional Political Formations	Bengal Consolidation of regional identities.	DECEMBER, 2022	2

GE – III History of India from 1206 to 1707	III. Mughal Ascendancy till the Akbar	Establishment of the Mughals, Babar & The First Battle of Panipat	JANUARY, 2023	3
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-XI History of Modern Europe (1789-1870)	I. The French Revolution and its European Repercussions	Crisis of the Ancien Regime, Political causes for the French Revolution	JULY 2022	2
CC-XI History of Modern Europe (1789-1870)	I. The French Revolution and its European Repercussions	Economic and Social causes for the French Revolution	AUGUST 2022	2
CC-XI History of Modern Europe (1789-1870)	I. The French Revolution and its European Repercussions	The Aristocratic Revolt and the Consolidation of the Third Estate	AUGUST 2022	2
CC-XI History of Modern Europe (1789-1870)	I. The French Revolution and its European Repercussions	The Constituent Assembly	AUGUST 2022	1
CC-XI History of Modern Europe (1789-1870)	I. The French Revolution and its European Repercussions	Radicalization of the Revolution & the Reign of Terror	SEPTEMBER 2022	2

CC-XI History of Modern Europe (1789-1870)	II. Napoleon Bonaparte and the French Revolution	Rise of Napoleon & Napoleonic Reforms	SEPTEMBER 2022	2
CC-XI History of Modern Europe (1789-1870)	II. Napoleon Bonaparte and the French Revolution	Fall of Napoleon & The Continental system	OCTOBER 2022	2
CC-XI History of Modern Europe (1789-1870)	III. Restoration and Revolution (1815-1848)	Vienna Congress & the Concert of Europe;	NOVEMBER 2022	2
CC-XI History of Modern Europe (1789-1870)	III. Restoration and Revolution (1815-1848)	Metternich System,	NOVEMBER 2022	2
CC-XI History of Modern Europe (1789-1870)	III. Restoration and Revolution (1815-1848)	Revolution of 1830 & 1848 and their Impact	NOVEMBER 2022	2
CC-XI History of Modern Europe (1789-1870)	IV. Industrialization and Socio- economic Transformation	Industrial Revolution in Britain,	DECEMBER 2022	2
CC-XI History of Modern Europe (1789-1870)	IV. Industrialization and Socio- economic Transformation	Industrial Revolution in Europe	DECEMBER 2022	2
CC-XI History of Modern Europe (1789-1870)	IV. Industrialization and Socio- economic Transformation	Emergence of Working Class and its Movements	DECEMBER 2022	2
CC-XI History of Modern Europe (1789-1870)	V. Age of Nationalism	Unification of Italy and Germany;	DECEMBER 2022	3

GE-1 Women's Studies in India	I. Gender Law & Social History	Family & Marriage in Colonial India & Post-Colonial India	AUGUST 2022	2
GE-1 Women's Studies in India	I. Gender Law & Social History	Women's question in the 19th Century	SEPTEMBER 2022	2
GE-1 Women's Studies in India	I. Gender Law & Social History	Women's movement in Colonial India	SEPTEMBER 2022	2
GE-1 Women's Studies in India	I. Gender Law & Social History	Women's movement in Post-Colonial India	OCTOBER 2022	1
GE-1 Women's Studies in India	II. Gender, Law & Politics	Political Participation of women	NOVEMBER 2022	2
GE-1 Women's Studies in India	II. Gender, Law & Politics	Violence against Women & Preventive laws	NOVEMBER 2022	3
GE-1 Women's Studies in India	III. Gender & Development	Issues of Labour & Health among women of India	DECEMBER 2022	2
GE-1 Women's Studies in India	III. Gender & Development	Access to Resources among women of India	DECEMBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-III History of India (600-1206)	I. Studying Early Medieval India	Sources, texts, epigraphic and numismatic data,	MARCH, 2023	2
CC-III History of India (600-1206)	I. Studying Early Medieval India	Debates on Indian feudalism	APRIL, 2023	1
CC-III History of India (600-1206)	I. Studying Early Medieval India	Rise of the Rajputs	APRIL, 2023	1
CC-III History of India (600-1206)	II. Political Structures	Evolution of Political Structures in North India: Harsha	MAY 2023	2
CC-III History of India (600-1206)	II. Political Structures	Evolution of Political Structures in North India: Palas & the Senas	MAY 2022	2
CC-III History of India (600-1206)	II. Political Structures	Evolution of Political Structures in South India: Chalukyas	MAY 2022	1
CC-III History of India (600-1206)	II. Political Structures	Evolution of Political Structures in South India: Rashtrakutas	MAY 2022	1

CC-III History of India (600-1206)	II. Political Structures	Evolution of Political Structures in South India: Cholas	JUNE, 2023	2
CC-III History of India (600-1206)	III. Arrival of Islam in India	Arab Conquest of Sindh,	JULY, 2023	1
CC-III History of India (600-1206)	III. Arrival of Islam in India	The Conquest of Mahmud of Ghazni	JULY, 2022	2
CC-III History of India (600-1206)	III. Arrival of Islam in India	The Conquest of Muhammad Ghori	JULY, 2022	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-10 History of India (1858-1964)	I. The Aftermath of 1857	Queen's Proclamations	MARCH, 2023	1
CC-10 History of India (1858-1964)	I. The Aftermath of 1857	The Indigo Revolt	MARCH, 2023	1
CC-10 History of India (1858-1964)	I. The Aftermath of 1857	The Aligarh Movement,	MARCH, 2023	1
CC-10 History of India (1858-1964)	I. The Aftermath of 1857	The Arya and the Prathana Samaj	MARCH, 2023	1
CC-10 History of India (1858-1964)	II. The early phase of Indian Freedom Movement	Birth of Indian National Movement,	MARCH, 2023	2
CC-10 History of India (1858-1964)	II. The early phase of Indian Freedom Movement	The Moderates and the Indian National Movement	APRIL, 2023	2
CC-10 History of India (1858-1964)	II. The early phase of Indian Freedom Movement	The Extremists and the Indian National Movement	APRIL, 2023	2
CC-10 History of India (1858-1964)	II. The early phase of Indian Freedom Movement	Partition of Bengal & the Swadeshi Movement	APRIL, 2023	2
CC-10 History of India (1858-1964)	II. The early phase of Indian Freedom Movement	The Lucknow Pact	APRIL, 2023	1

CC-10 History of India (1858-1964)	III. The Gandhian Era	Gandhi's rise to power,	APRIL, 2023	2
CC-10 History of India (1858-1964)	III. The Gandhian Era	Khilafat and Non-Co-operation Movement	MAY, 2023	2
CC-10 History of India (1858-1964)	III. The Gandhian Era	Civil Disobedience Movement	MAY, 2023	2
CC-10 History of India (1858-1964)	III. The Gandhian Era	Quit India Movement	MAY, 2023	2
CC-10 History of India (1858-1964)	IV. Towards Freedom	Government of India Act of 1935,	MAY, 2023	2
CC-10 History of India (1858-1964)	IV. Towards Freedom	The rise of the Leftist Movement,	JUNE, 2023	2
CC-10 History of India (1858-1964)	IV. Towards Freedom	Subhash Bose and the INA	JUNE, 2023	2
CC-10 History of India (1858-1964)	V. Communal Politics	Demand for Pakistan; Lahore Session of the Muslim League,	JUNE, 2023	1
CC-10 History of India (1858-1964)	V. Communal Politics	Rise of Hindu Mahasabha and the RSS	JUNE, 2023	1
CC-10 History of India (1858-1964)	V. Communal Politics	Partition and its Consequences	JULY 2023	2
CC-10 History of India (1858-1964)	VI. The Nehru Era	Internal Policy between 1947to 1964, Five year's Plan,	JULY, 2023	2

GE-4 History of India (1707-1950)	IV.1857 and its aftermath	Causes and the Nature of the Revolt of 1857	APRIL, 2023	3
GE-4 History of India (1707-1950)	IV.1857 and its aftermath	Age of Associations	APRIL, 2023	2
GE-4 History of India (1707-1950)	V. Indian National Movement	Birth of Indian National Movement,	MAY, 2023	1
GE-4 History of India (1707-1950)	V. Indian National Movement	The Moderates and The Extremists and the Indian National Movement	MAY, 2023	3
GE-4 History of India (1707-1950)	V. Indian National Movement	Gandhi's rise to power,	MAY, 2023	2
GE-4 History of India (1707-1950)	V. Indian National Movement	Civil Disobedience Movement	MAY, 2023	1
GE-4 History of India (1707-1950)	V. Indian National Movement	Government of India Act of 1935,	MAY, 2023	1
GE-4 History of India (1707-1950)	V. Indian National Movement	Subhash Bose and the INA	JUNE, 2023	1
GE-4 History of India (1707-1950)	VI. Partition of India	Partition and its Consequences	JUNE, 2023	1
GE-4 History of India (1707-1950)	VI. Partition of India	Constituent Assembly and the birth of the Republic	JUNE, 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 History of Modern Europe (1871-1945)	I. Imperial Expansion	Bismarck's Diplomacy and the new balance of power,	MARCH 2023	2
CC-13 History of Modern Europe (1871-1945)	I. Imperial Expansion	Kaiser William II and new course in German Foreign Policy	APRIL 2023	3
CC-13 History of Modern Europe (1871-1945)	I. Imperial Expansion	Balkan Wars	APRIL 2023	1
CC-13 History of Modern Europe (1871-1945)	II. First World War and its aftermath	Outbreak of the First World War & it's Impact	APRIL 2023	2
CC-13 History of Modern Europe (1871-1945)	II. First World War and its aftermath	Emergence of the two-armed camps	APRIL 2023	2
CC-13 History of Modern Europe (1871-1945)	II. First World War and its aftermath	Peace Settlements of 1919	APRIL 2023	3
CC-13 History of Modern Europe (1871-1945)	II. First World War and its aftermath	The League of Nations	APRIL 2023	2
CC-13 History of Modern Europe (1871-1945)	III. Challenges to the New European Order	Consolidation and Development of power of the Soviet State	MAY 2023	2
CC-13 History of Modern Europe (1871-1945)	III. Challenges to the New European Order	French search for security	MAY 2023	2

CC-13 History of Modern Europe (1871-1945)	III. Challenges to the New European Order	Rise of Fascism in Italy and Nazism in Germany	MAY 2023	2
CC-13 History of Modern Europe (1871-1945)	III. Challenges to the New European Order	World Economic depression of 1929.	JUNE 2023	2
CC-13 History of Modern Europe (1871-1945)	IV. The Road to Second World War	Germany's aggressive foreign policy	JUNE 2023	2
CC-13 History of Modern Europe (1871-1945)	IV. The Road to Second World War	Spanish Civil War,	JUNE 2023	1
CC-13 History of Modern Europe (1871-1945)	IV. The Road to Second World War	Mussolini's foreign policy and the Abyssinian Crisis	JULY 2023	2
CC-13 History of Modern Europe (1871-1945)	IV. The Road to Second World War	Formation of the Rome Berlin Axis	JULY 2023	1
CC-13 History of Modern Europe (1871-1945)	V. Second World War	Outbreak of the Second World War and its impact	JULY 2023	2
CC-13 History of Modern Europe (1871-1945)	VI. United Nations Organization	Its Origin and Functions	JULY 2023	2

GE-2 Gender & Education in India	IV. Role of Schools and Colleges in Colonial and Post-Colonial Period	Expansion of Infrastructural facilities for female education,	APRIL, 2023	3
GE-2 Gender & Education in India	IV. Role of Schools and Colleges in Colonial and Post-Colonial Period	Technical and Vocational education for women	MAY 2023	2
GE-2 Gender & Education in India	V. Contours of Female Literacy since 1950	Interrogating literacy for women	MAY 2023	2
GE-2 Gender & Education in India	V. Contours of Female Literacy since 1950	Government policies and schemes for Women	JUNE 2023	2
GE-2 Gender & Education in India	VI. Present Scenario	Education as a tool of empowerment	JUNE 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: HISTORY				
NAME OF THE TEACHER: CHANDANA BANERJEE				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMICSESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	COMING OF THE ARYANS AND ARYAN DEBATE	AUGUST, 2022	2
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	VEDIC LITERATURE	AUGUST, 2022	1

CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	EXPANSION OF BRAHMAVARTA TO ARYAVARTA	AUGUST, 2022	1
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	VEDIC RELIGION AND PHILOSOPHY	SEPTEMBER, 2022	1
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	VEDIC ECONOMY AND SOCIETY	SEPTEMBER, 2022	2
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	RELIGIOUS PROTEST MOVEMENTS	SEPTEMBER, 2022	1
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	SECOND URBANISATION, SIXTEEN MAHAJANAPADAS	SEPTEMBER, 2022	1
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CULTURES IN TRANSITION	RISE OF MAGADHA	SEPTEMBER, 2022	1

CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CHANGING POLITICAL FORMATIONS (CIRCA 300 BCE TO CIRCA CE 300)	THE MAURYAN EMPIRE & POLITICS- ASOKA AND THE FALL OF THE MAURYAS	NOVEMBER, 2022	3
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CHANGING POLITICAL FORMATIONS (CIRCA 300 BCE TO CIRCA CE 300)	POST MAURYAN POLITICS WITH SPECIAL REFERENCE TO THE KUSHANAS AND THE SATAVAHANAS	NOVEMBER, 2022	1
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	CHANGING POLITICAL FORMATIONS (CIRCA 300 BCE TO CIRCA CE 300)	RISE OF THE GUPTAS, DEVELOPMENT OF THE GUPTA EMPIRE, GUPTA ART ARCHITECTURE AND LITERATURE	DECEMBER, 2022	4
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	SOCIETY ECONOMY AND CULTURE IN EARLY INDIA	AGRARIAN EXPANSION	DECEMBER, 2022	2
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	SOCIETY ECONOMY AND CULTURE IN EARLY INDIA	URBAN GROWTH	JANUARY, 2023	1
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	SOCIETY ECONOMY AND CULTURE IN EARLY INDIA	SOCIAL STRATIFICATION	JANUARY, 2023	2
CC-1 HISTORY OF India-I (FROM EARLIEST TIMES TO 600 AD)	SOCIETY ECONOMY AND CULTURE IN EARLY INDIA	THE PROBLEM OF URBAN DECLINE	FEBRUARY, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022	DATE OF DISSOLUTION OF CLASSES: 09.02.2023

ACADEMICSESSION: 2022-2023		PROGRAM TYPE: GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBE R OF CLASSE S
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	RISE OF MAGADHA	EMERGENCE AND GROWTH OF THE MAGADHAN EMPIRE	AUGUST,2022	2
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	RISE OF MAGADHA	CONDITIONS FOR THE RISE OF MAHAJANAPADASAND THE CAUSES OF MAGADHA'S SUCCESS; THE IRANIAN AND MACEDONIAN INVASION	AUGUST,2022	2
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	THE MAURYAN EMPIRE	STATE AND ADMINISTRATION OF THE MAURYS, ECONOMY,	SEPTEMBER, 2022	2
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	THE MAURYAN EMPIRE	ASHOKA'S DHAMMA	SEPTEMBER, 2022	2

GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	THE MAURYAN EMPIRE	ART, ARCHITECTURE	NOVEMBER, 2022	1
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	POST MAURYAN PERIOD	THE SATAVAHANA PHASE	NOVEMBER, 2022	3
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	POST MAURYAN PERIOD	THE SANGAM AGE	DECEMBER, 2022	1
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)	POST MAURYAN PERIOD	THE AGE OF SAKAS AND KUSHANAS	DECEMBER, 2022	3
GE- I & CC- IB HISTORY OF India- (FROM EARLIEST TIMES UP TO 300 CE)		DISCUSSION OF SAQ	JANUARY, 2023	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022	DATE OF DISSOLUTION OF CLASSES: 26.12.2022
SESSION: 2022-2023	PROGRAM TYPE: HONOURS

SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-7 HISTORY OF INDIA (1526-1757 CE)	SOURCES AND HISTORIOGRAPHY	PERSIAN LITERARY CULTURE; TRANSLATIONS.	JULY, 2022	1
CC-7 HISTORY OF INDIA (1526-1757 CE)	SOURCES AND HISTORIOGRAPHY	LITERATURE IN REGIONAL LANGUAGES	JULY, 2022	1
CC-7 HISTORY OF INDIA (1526-1757 CE)	ESTABLISHMENT OF MUGHAL RULE	BABUR'S INVASION OF INDIA, STRUGGLE FOR EMPIRE IN NORTH INDIA, SIGNIFICANCE OF BABAR AND HUMAYUN'S REIGN	JULY, 2022	2
CC-7 HISTORY OF INDIA (1526-1757 CE)	ESTABLISHMENT OF MUGHAL RULE	SIGNIFICANCE OF AFGHAN DESPOTISM AND RISE OF SHER SHAH TO POWER, HIS ADMINISTRATIVE AND REVENUE REFORMS	AUGUST, 2022	3
CC-7 HISTORY OF INDIA (1526-1757 CE)	AKBAR AND CONSOLIDATION OF MUGHAL EMPIRE	AKBAR'S CONQUEST, RAJPUT POLICY, ADMINISTRATIVE AND RELIGIOUS REFORMS	AUGUST, 2022	3
CC-7 HISTORY OF INDIA (1526-1757 CE)	AKBAR AND CONSOLIDATION OF MUGHAL EMPIRE	REIGN OF JAHANGIR, NURJAHAN- HER ROLE IN IMPERIAL POLITICS	AUGUST, 2022	1

CC-7 HISTORY OF INDIA (1526-1757 CE)	AKBAR AND CONSOLIDATION OF MUGHAL EMPIRE	THE MUGHALS AND THE NORTH WESTERN FRONTIER AND CENTRAL ASIA	AUGUST, 2022	2
CC-7 HISTORY OF INDIA (1526-1757 CE)	AKBAR AND CONSOLIDATION OF MUGHAL EMPIRE	MAKING OF A NEW IMPERIAL SYSTEM AND ADMINISTRATION, THE MUGHAL NOBILITY, MANSAB AND JAGIR	AUGUST, 2022	3
CC-7 HISTORY OF INDIA (1526-1757 CE)	MUGHAL EMPIRE UNDER AURANGZEB	STATE AND RELIGION UNDER AURANGZEB; ISSUES IN THE WAR OF SUCCESSION; POLICIES REGARDING RELIGIOUS GROUPS AND INSTITUTIONS	AUGUST, 2022	3
CC-7 HISTORY OF INDIA (1526-1757 CE)	MUGHAL EMPIRE UNDER AURANGZEB	BEGINNING OF THE CRISIS; AGRARIAN AND JAGIR CRISIS: REVOLTS	AUGUST, 2022	4
CC-7 HISTORY OF INDIA (1526-1757 CE)	MUGHAL EMPIRE UNDER AURANGZEB	INLAND AND OCEAN TRADE NETWORK	SEPTEMBER, 2022	1
CC-7 HISTORY OF INDIA (1526-1757 CE)	MUGHAL ART ARCHITECTURE & PAINTING		SEPTEMBER, 2022	3
CC-7 HISTORY OF INDIA (1526-1757 CE)	PATTERNS OF REGIONAL POLITICS	RAJPUT POLITICAL CULTURE AND STATE FORMATION	SEPTEMBER, 2022	1
CC-7 HISTORY OF INDIA (1526-1757 CE)	PATTERNS OF REGIONAL POLITICS	RISE OF MARATHA POWER UNDER SHIVAJI, EXPANSION UNDER THE PESHWAS	NOVEMBER, 2022	3

CC-7 HISTORY OF INDIA (1526-1757 CE)	PATTERNS OF REGIONAL POLITICS	EMERGENCE OF REGIONAL POWERS- CASE STUDIES OF MAHARASHTRA, AWADH AND BENGAL	NOVEMBER, 2022	4
CC-7 HISTORY OF INDIA (1526-1757 CE)	PATTERNS OF REGIONAL POLITICS	RISE OF EAST INDIA COMPANY IN BENGAL	DECEMBER, 2022	2
CC-7 HISTORY OF INDIA (1526-1757 CE)	PATTERNS OF REGIONAL POLITICS	DEBATE ON THE DECLINE OF THE MUGHAL EMPIRE	DECEMBER, 2022	2
CC-7 HISTORY OF INDIA (1526-1757 CE)		DISCUSSIONS OF SHORT ANSWER TYPE QUESTIONS	DECEMBER, 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: V				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	ESTABLISHMENT OF EAST INDIA COMPANY'S RULE IN BENGAL	RELATIONS BETWEEN EAST INDIA COMPANY AND BENGAL NAWABS- ESPECIALLY SIRAJUDAULLAH	JULY, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	ESTABLISHMENT OF EAST INDIA COMPANY'S RULE IN BENGAL	BATTLE OF PLASSEY TO GRANT OF DIWANI, DUAL GOVERNMENT, FAMINE OF 1770	JULY, 2022	3
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	ESTABLISHMENT OF EAST INDIA COMPANY'S RULE IN BENGAL	EXPERIMENTS IN REVENUE ADMINISTRATION AND ESTABLISHMENT OF PERMANENT SETTLEMENT- SOCIAL AND ECONOMIC IMPACT OF PERMANENT SETTLEMENT	JULY, 2022	4
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN SOCIAL AND ECONOMIC LIFE UPTO 19 TH CENTURY	THE VILLAGE COMMUNITY, SO-CALLED SELF- SUFFICIENT VILLAGE BREAKING THE SAID SOCIETY	JULY, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN SOCIAL AND ECONOMIC LIFE UPTO 19 TH CENTURY	RISE AND GROWTH OF CALCUTTA AND DECLINE OF THE OLD URBAN CENTRES	JULY, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN SOCIAL AND ECONOMIC LIFE UPTO 19 TH CENTURY	POPULAR PROTESTS IN THE 19 TH CENTURY- SANYASI, WAHABI, FARUKI, INDIGO REVOLTS & PABNA UPRISING	AUGUST, 2022	6

DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	IMPACT OF COMPANY'S RULE	WESTERN EDUCATION- ROLE OF MISSIONARIES; WOMEN'S EDUCATION- MEDICAL EDUCATION- EMERGENCE OF EDUCATED MIDDLE CLASS	AUGUST, 2022	5
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	IMPACT OF COMPANY'S RULE	THE BENGAL RENAISSANCE- RELIGIOUS AND SOCIAL REFORM MOVEMENTS- RAMMOHAN ROY, VIDYASAGAR, YOUNG BENGAL, BRAHMA SAMAJ, BANKIM CHANDRACHATTOPADHYAY , VIVEKANANDA	AUGUST, 2022	6
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	IMPACT OF COMPANY'S RULE	THE MUSLIMS AND NON- BENGALIS IN BENGAL	AUGUST, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	IMPACT OF COMPANY'S RULE	DE-INDUSTRIALIZATION AND EMERGENCE OF LABOUR FORCE; IMPACT OF RAILWAYS	AUGUST, 2022	3
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CULTURAL SCENARIO IN 19 TH CENTURY	BENGALI LANGUAGE AND LITERATURE; PAINTING AND PRESS	AUGUST, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CULTURAL SCENARIO IN 19 TH CENTURY	VISUAL AND PERFORMING ARTS, PAINTING, MUSIC, THEATRE	AUGUST, 2022	4

DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CULTURAL SCENARIO IN 19 TH CENTURY	POPULAR RELIGIONS- SAHEBDHANI, KARTABHAJA, LALANSAHI, CULTURE- YATRA, KABIGAN	SEPTEMBER, 2022	4
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CULTURAL SCENARIO IN 19 TH CENTURY	SCIENCE, TECHNOLOGY AND MEDICINE	SEPTEMBER, 2022	2
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	EMERGENCE OF NATIONALISM	SWADESHI MOVEMENT AND IMPACT	SEPTEMBER, 2022	2
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	EMERGENCE OF NATIONALISM	RISE OF EXTREMISM; FOUNDATION OF MUSLIM LEAGUE	SEPTEMBER, 2022	2
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	EMERGENCE OF NATIONALISM	GANDHIAN IDEOLOGY IN BENGAL	SEPTEMBER, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	EMERGENCE OF NATIONALISM	NON- COOPERATION, CIVIL DISOBEDIENCES AND QUIT INDIA MOVEMENT IN BENGAL	SEPTEMBER, 2022	3

DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	EMERGENCE OF NATIONALISM	RISE OF EXTREMISM; FOUNDATION OF MUSLIM LEAGUE	SEPTEMBER, 2022	2
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	EMERGENCE OF NATIONALISM	GANDHIAN IDEOLOGY IN BENGAL	SEPTEMBER, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	EMERGENCE OF NATIONALISM	NON- COOPERATION, CIVIL DISOBEDIENCES AND QUIT INDIA MOVEMENT IN BENGAL	NOVEMBER, 2022	3

DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN THE 20 TH CENTURY	INFLUENCE OF NATIONALISM ON LITERATURE: INTRODUCTION OF POPULAR UTSAB AND MELAS	NOVEMBER, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN THE 20 TH CENTURY	EVOLUTION OF THEATRES IN 20 TH CENTURY	NOVEMBER, 2022	1
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN THE 20 TH CENTURY	VISIONS OF INTEGRATION AND HUMANITY- RABINDRANATH, KAZI NAZRUL AND SARAT CHANDRA CHATTOPADHYAY	NOVEMBER, 2022	3

DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN THE 20 TH CENTURY	SOCIAL AND CULTURAL IMPACT OF PARTITION; CHANGING ROLE OF WOMEN IN SOCIETY	NOVEMBER, 2022	2
DSE- II LIFE AND CULTURE IN COLONIAL BENGAL (1757- 1947)	CHANGES IN THE 20 TH CENTURY		NOVEMBER, 2022	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2022		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- IV SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	ROMAN REPUBLIC	SIGNIFICANCE, CONSTITUTION	MARCH, 2023	2
CC- IV SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	ROMAN REPUBLIC	LAW & SOCIETY	MARCH, 2023	2
CC- IV SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	ROMAN REPUBLIC	AGRARIAN ECONOMY	MARCH, 2023	2

CC- IV				
SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	ROMAN REPUBLIC	URBANIZATION& TRADE ECONOMY	APRIL,2023	2
CC- IV				
SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	ROMAN REPUBLIC	GROWTH OF SLAVERY & SLAVE SOCIETY IN ANCIENT ROME	APRIL,2023	2
CC- IV				
SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	RELIGION, CULTURE, LITERATURE AND PHILOSOPHY IN ANCIENT ROME	RELIGION, CULTURE	MAY, 2023	2
CC- IV				
SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	RELIGION, CULTURE, LITERATURE AND PHILOSOPHY IN ANCIENT ROME	LITERATURE	MAY, 2023	2
CC- IV				
SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	RELIGION, CULTURE, LITERATURE AND PHILOSOPHY IN ANCIENT ROME	PHILOSOPHY	JUNE, 2023	2
CC- IV				
SOCIAL FORMATION AND CULTURAL PATTERN OF THE MEDIEVAL WORLD	CRISIS IN THE ROMAN EMPIRE & TRANSITION TO PRINCIPATE		JULY, 2023	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
GE- II HISTORY OF INDIA (300-1206 CE)	THE RISE & GROWTH OF THE GUPTAS	ADMINISTRATION	MARCH,2023	1
GE- II HISTORY OF INDIA (300-1206 CE)	THE RISE & GROWTH OF THE GUPTAS	SOCIETY	MARCH,2023	1
GE- II HISTORY OF INDIA (300-1206 CE)	THE RISE & GROWTH OF THE GUPTAS	ECONOMY	APRIL,2023	2
GE- II HISTORY OF INDIA (300-1206 CE)	THE RISE & GROWTH OF THE GUPTAS	RELIGION	APRIL,2023	1
GE- II HISTORY OF INDIA (300-1206 CE)	THE RISE & GROWTH OF THE GUPTAS	ART, LITERATURE	MAY,2023	2
GE- II HISTORY OF INDIA (300-1206 CE)	THE RISE & GROWTH OF THE GUPTAS	SCIENCE & TECHNOLOGY	MAY,2023	1

GE- II HISTORY OF INDIA (300-1206 CE)	HARSHA AND HIS TIMES	HARSHA'S KINGDOM	MAY, 2023	1
GE- II HISTORY OF INDIA (300-1206 CE)	HARSHA AND HIS TIMES	SASANKA	MAY, 2023	1
GE- II HISTORY OF INDIA (300-1206 CE)	HARSHA AND HIS TIMES	ADMINISTRATION	JUNE, 2023	1
GE- II HISTORY OF INDIA (300-1206 CE)	HARSHA AND HIS TIMES	BUDDHISM AND NALANDA	JUNE, 2023	1
GE- II HISTORY OF INDIA (300-1206 CE)	TOWARDS EARLY MEDIEVAL- NORTH INDIA	PALAS, SENAS	JULY, 2023	5
GE- II HISTORY OF INDIA (300-1206 CE)	TOWARDS EARLY MEDIEVAL- NORTH INDIA	THE RISE OF RAJPUTS, PRATI HARAS	JULY, 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	17 TH CENTURY EUROPEAN CRISIS: ECONOMIC, SOCIAL AND POLITICAL DIMENSIONS	ECONOMIC CRISIS	MARCH, 2023	2
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	17 TH CENTURY EUROPEAN CRISIS: ECONOMIC, SOCIAL AND POLITICAL DIMENSIONS	SOCIAL AND POLITICAL CRISIS	MARCH,2023	3
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	THE ENGLISH REVOLUTION: MAJOR ISSUES: POLITICAL AND INTELLECTUAL CURRENTS	THE ENGLISH REVOLUTION: EVENTS	MARCH,2023	3
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	THE ENGLISH REVOLUTION: MAJOR ISSUES: POLITICAL AND INTELLECTUAL CURRENTS	POLITICAL AND INTELLECTUAL CURRENTS	MARCH,2023	5

CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	RISE OF MODERN SCIENCE IN RELATION TO EUROPEAN SOCIETY FROM THE RENAISSANCE TO THE 17 TH CENTURY		APRIL,2023	4
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	MERCANTILISM AND EUROPEAN ECONOMICS: 17 TH AND 18 TH CENTURIES	MERCANTILISM	APRIL,2023	1
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	MERCANTILISM AND EUROPEAN ECONOMICS: 17 TH AND 18 TH CENTURIES	EUROPEAN ECONOMICS IN 17 TH AND 18 TH CENTURIES	APRIL,2023	1
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	EUROPEAN POLITICS IN THE 18 TH CENTURY: PARLIAMENTARY MONARCHY; PATTERN OF ABSOLUTISM IN EUROPE	PARLIAMENTARY MONARCHY	MAY,2023	2
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	EUROPEAN POLITICS IN THE 18 TH CENTURY: PARLIAMENTARY MONARCHY; PATTERN OF ABSOLUTISM IN EUROPE	ABSOLUTISM	MAY,2023	2
CC- VIII RISE OF MODERN WEST II (17 TH & 18 TH CENTURIES)	PRELUDE TO THE INDUSTRIAL REVOLUTION		JUNE,2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- XIV MAKING OF THE CONTEMPORARY WORLD(1946-2000)	POST WAR DEVELOPMENT	AN OVERVIEW OF POST WAR DEVELOPMENTS- SOCIAL, POLITICAL AND ECONOMIC	FEBRUARY,2023	2
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	POST WAR DEVELOPMENT	COLD WAR POLITICS- IDEOLOGICAL CLASH	FEBRUARY,2023	2
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	POST WAR DEVELOPMENT	POWER RIVALRY BETWEEN SUPER POWERS	FEBRUARY,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	POST WAR DEVELOPMENT	MILITARY AND DEFENCE ALLIANCES AND PEACE PACTS- CONTAINMENT OF COMMUNISM	FEBRUARY,2023	4
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	POST WAR DEVELOPMENT	MARSHAL PLAN, TRUMAN DOCTRINE	FEBRUARY,2023	2

CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	POST WAR DEVELOPMENT	WARSAW PACT, MILITARY ALLIANCES- NATO, SEATO, BAGDAD PACT, COMINFORM	MARCH,2023	3
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	POST WAR DEVELOPMENT	BERLIN AFTER 1945	MARCH,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	POST WAR DEVELOPMENT	FALL OF BERLIN WALL, GERMAN REUNIFICATION	MARCH,2023	2
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	DECOLONIZATION AND THE EMERGENCE OF THE THIRD WORLD	NATIONAL MOVEMENTS IN ASIA & AFRICA	MARCH,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	DECOLONIZATION AND THE EMERGENCE OF THE THIRD WORLD	EMERGENCE OF THE THIRD WORLD	APRIL,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	DECOLONIZATION AND THE EMERGENCE OF THE THIRD WORLD	NON- ALIGNMENT	APRIL,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	DECOLONIZATION AND THE EMERGENCE OF THE THIRD WORLD	THIRD WORLS ORGANIZATIONS- OPEC, ASEAN, SAARC	APRIL,2023	3
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	WAR IN KOREA	APRIL,2023	1

CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	CUBAN MISSILE CRISIS	APRIL,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	VIETNAM PROBLEM	APRIL,2023	2
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	PALESTINE PROBLEM	APRIL,2023	2
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	SUEZ CRISIS	APRIL,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	IRAQ- IRAN CONFLICTS- GULF WAR	MAY,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	ARAB-ISRAEL WARS- ACTIVITIES OF PLO	MAY,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	COLD WAR ESCALATES	AFGHAN PROBLEM	MAY,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	PERSPECTIVES ON DEVELOPMENT AND UNDER DEVELOPMENT	GLOBALOZATION AND ITS IMPACT ON THE THIRD WORLS	MAY,2023	1

CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	PERSPECTIVES ON DEVELOPMENT AND UNDER DEVELOPMENT	LIBERALIZATION AND ITS IMPACT ON INDIAN ECONOMY	MAY,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	PERSPECTIVES ON DEVELOPMENT AND UNDER DEVELOPMENT	MULTINATIONAL COMPANIES, WORLD BANK, IMF	MAY,2023	2
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	PERSPECTIVES ON DEVELOPMENT AND UNDER DEVELOPMENT	INFORMATION REVOLUTION	JUNE,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	MODERNITY AND CULTURAL TRANSFORMATION	EMERGING TRENDS IN CULTURE, MEDIA AND CONSUMPTION; INFORMATION REVOLUTION	JUNE,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	CHANGING WORLD	COLLAPSE OF SOVIET BLOCK, PROCESS OF DISINTEGRATIONS; GLASNOST & PERESTROIKA	JUNE,2023	2
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	CHANGING WORLD	AMERICAN UNIPOLARISM: USA AS A GLOBAL POLICEMAN	JUNE,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	CHANGING WORLD	CURRENTS THREATS CONFRONTING THE WORLD- ETHNIC CLASHES	JUNE,2023	1
CC- XIV MAKING OF THE CONTEMPORARY WORLD (1946-2000)	CHANGING WORLD	CROSS BORDER TERRORISM	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
GE- II GENDER & EDUCATION IN INDIA	HISTORIOGRAPHICAL TRENDS	PRE- COLONIAL HISTORIOGRAPHICAL TRENDS IN WOMEN'S EDUCATION	FEBRUARY, 2023	2
GE- II GENDER & EDUCATION IN INDIA	HISTORIOGRAPHICAL TRENDS	COLONIAL HISTORIOGRAPHICAL TRENDS IN WOMEN'S EDUCATION	FEBRUARY, 2023	1
GE- II GENDER & EDUCATION IN INDIA	HISTORIOGRAPHICAL TRENDS	POST-COLONIAL HISTORIOGRAPHICAL TRENDS IN WOMEN'S EDUCATION	MARCH, 2023	1
GE- II GENDER & EDUCATION IN INDIA	EDUCATION IN EARLY AND MEDIEVAL TIMES	WOMEN'S EDUCATION IN MEDIEVAL TIMES	MARCH, 2023	3
GE- II GENDER & EDUCATION IN INDIA	EDUCATION IN EARLY AND MEDIEVAL TIMES	REGIONAL TRENDS OF WOMEN'S EDUCATION IN PRE- COLONIAL INDIA	APRIL, 2023	1
GE- II GENDER & EDUCATION IN INDIA	EDUCATION IN EARLY AND MEDIEVAL TIMES	INSTANCES OF WOMEN'S EDUCATION, OBSTACLES	APRIL, 2023	1
GE- II GENDER & EDUCATION IN INDIA	COLONIAL PERIOD	SOCIO-RELIGIOUS REFORMS	MAY, 2023	2

GE- II GENDER & EDUCATION IN INDIA	COLONIAL PERIOD	ROLE OF CHRISTIAN MISSIONARIES IN SPREADING FEMALE EDUCATION, RECENT DEBATES	MAY, 2023	1
GE- II GENDER & EDUCATION IN INDIA	COLONIAL PERIOD	INDIGENOUS INITIATIVES AT WOMEN'S EDUCATION	JUNE, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: HISTORY				
NAME OF THE TEACHER: KRISHNENDU GIRI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ <u>GENERAL</u> / GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-IA History of India (From Earliest Times up to 300 CE)	Sources; Prehistory and Proto-historic cultures	Sources & Interpretation - A broad survey of Palaeolithic, Mesolithic and Neolithic Cultures, Bronze age civilization	August-2022 & September- 2022	7
CC-IA History of India (From Earliest Times up to 300 CE)	Sources; Prehistory and Proto-historic cultures	Harappan Civilization - Origin, Extent, dominant features & decline.	November- 2022	5
CC-IA History of India (From Earliest Times up to 300 CE)	The Vedic Period	Polity, Society, Economy and Religion, Iron age with reference to PGW & Megaliths	December- 2022	6
CC-IA History of India (From Earliest Times up to 300 CE)	Jainism and Buddhism	Causes, Doctrines, Spread, Decline and Contributions	January-2023	5

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ <u>GENERAL</u>/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-IC , HISTORY OF INDIA FROM 1206-1707	Political History of the Delhi Sultanate	Foundation, Expansion and Consolidation of the Delhi Sultanate—Ilbari Turks, Khaljis and the Tughlaqs Nature of the State, nobility and the Ulema, Economic reforms	July-2022 & August-2022	6
CC-IC , HISTORY OF INDIA FROM 1206-1707	Regional Political Formations	Bengal Vijaynagar and the Bahamani Kingdoms	August-2022	5
CC-IC , HISTORY OF INDIA FROM 1206-1707	Mughal ascendancy till the time of Akbar (1605 CE)	Babar; Mughal- Afgan conflict, Akbar	September-2022	4
CC-IC , HISTORY OF INDIA FROM 1206-1707	Mughal Power in the post Akbar Era (1606-1707 CE)	Mughal empire from Jahangir to Aurangzeb	September-2022	4
CC-IC , HISTORY OF INDIA FROM 1206-1707	Economy and Society	revenue administration from iqta, jagi and mansabdari. inland and oceanic trade	November-2022	5

CC-IC , HISTORY OF INDIA FROM 1206-1707	Religion, Art and Architecture	Religion;-Sufism, and Bhak movement Art---painting, sculpture and architecture literature—Persian and regional	December- 2022	4
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ <u>GENERAL</u> / GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-IA, SOME ASPECTS OF SOCIETY & ECONOMY OF MODERN EUROPE: 15-18 CENTURY	European Economy in the 16th Century	a) Economic expansion of Europe in the 16th Century b) The rise of new marchants c) Price revolution & Agriculture Revolution	July-2022 & August-2022	6
DSE-IA, SOME ASPECTS OF SOCIETY & ECONOMY OF MODERN EUROPE: 15-18 CENTURY	Science & Technology	Origins of the Modern science b) Scientific Revolution c) Origins of Enlightenmen	August-2022 & September- 2022	7
DSE-IA, SOME ASPECTS OF SOCIETY & ECONOMY OF MODERN EUROPE: 15-18 CENTURY	Transition from Feudalism to Capitalism	a) Transition to Capitalism and its debates B) Nature of the Capitalism c) Industrial Revolution in England.	November- 2022	6

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ <u>GENERAL</u>/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-IB, History of India (300 to 1206 CE)	The Rise & Growth of the Guptas	Administration, Society,Economy, Religion, Art, Literature, and Science &Technology.	March-2023	6
CC-IB, History of India (300 to 1206 CE)	Harsha & His Times	Harsha's Kingdom, Sasanka, Administration,Buddhism&Nalanda	March-2023 & April-2023	6
CC-IB, History of India (300 to 1206 CE)	Towards Early Medieval: North India	- Palas, Senas, Pratiharas and the rise of Rajputs	April-2023 & May-2023	5
CC-IB, History of India (300 to 1206 CE)	Towards Early Medieval: South India	Chalukyas, Pallavas, Rashtrakutas, and the Chola	May-2023	5
CC-IB, History of India (300 to 1206 CE)	Society, Economy and Culture in Early Medieval	The Feudalism debate Changes in Society, Economy and Culture	June-2023	7
CC-IB, History of India (300 to 1206 CE)	Arrival of Islam in India	Arab conquest of Sindh Struggle for power in Northern India &establishment ofSultanate.	July-2023	6

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ <u>GENERAL</u> / GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-ID, HISTORY OF INDIA FROM 1707 - 1950	Regional States and rise of the Company's rule	Bengal – Battle of Plassey, Buxar and Dewan, Mysore and Anglo Mysore relation Anglo Sikh relations	March-2023	7
CC-ID, HISTORY OF INDIA FROM 1707 - 1950	Land Settlements, peasant and Tribal revolts upto 1857	Permanent settlement and Rayatwari Tribal and Peasant revolts- Wahabi, Fairazi and Santal	April-2023	6
CC-ID, HISTORY OF INDIA FROM 1707 - 1950	Socio- Religious Reform Movements in the 19th Century	Rammohan Roy, Young Bengal, Vidyasagar, AryaSamaj, Growth of a new middle class	April-2023 & May-2023	5
CC-ID, HISTORY OF INDIA FROM 1707 - 1950	1857 and its aftermath	Causes and nature of the 1857 Age of associations and the birth of INC	May-2023 & June-2023	5
CC-ID, HISTORY OF INDIA FROM 1707 - 1950	Indian National Movement	Moderates and Extremists Partition of Bengal and the Swadeshi movement Rise of Gandhi in Indian politics and Gandhian movements. Leftist movements Subhash Chandra Bose and the INA	June-2023	6
CC-ID, HISTORY OF INDIA FROM 1707 - 1950	Partition Of India and the establishment of Indian Republic	Government Of India Act 1935 Cripps Mission, Wavell Plan, Cabinet Mission Communal Politics Partition of India Constituent Assembly and the birth of the Republic	July-2023	5

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: <u>HONOURS/ GENERAL/ GENERIC</u>		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-IB, SOME ASPECTS OF EUROPEAN HISTORY (1789-1945)	The French Revolution	a) France before 1789; Socio-Economic and Political background; Birth of new ideas Philosophers and Physiocrats b) Progress of the Revolution; The Constituent Assembly; The reign of Terror c) Impact of French Revolution on Europe	February-2023	5
DSE-IB, SOME ASPECTS OF EUROPEAN HISTORY (1789-1945)	Napoleon Bonaparte and aftermath	a) Rise of Napoleon b) Napoleonic reforms; Napoleon and Europe; Fall of Napoleon, c) Vienna Congress; The concert of Europe; Metternich system	March-2023	5
DSE-IB, SOME ASPECTS OF EUROPEAN HISTORY (1789-1945)	The revolutions of 1830 and 1848	a) The Democratic and Nationalist Aspirations of Europe b) Causes, and Impact of July Revolution of 1830 c) The February revolution of 1848-50.	March-2023 & April-2023	4
DSE-IB, SOME ASPECTS OF EUROPEAN HISTORY (1789-1945)	Age of Nationalism	a) The Cremean War; The Eastern Question; Turkey; Russia's ambition in the Balkans b) The second Empire in France and Louis Napoleon c. Unification of Italy & Germany	April-2023	5
DSE-IB, SOME ASPECTS OF EUROPEAN HISTORY (1789-1945)	Europe between 1914-1939	a) Origin of the First World War; Role of different European Powers; Peace of Settlement of 1919; The League of Nations b) Political and Economic Disorder & Depression, Policy of Appeasement, Spanish Civil War; Munich Pact' Russo-German Non-Aggression Pact c) Rise of Fascism in Italy and Nazism in Germany	May-2023	6
DSE-IB, SOME ASPECTS OF EUROPEAN HISTORY (1789-1945)	Second world war	a) Origins b) Failure of disarmament and the League of Nations c) Responsibility of Hitler	May-2023 & June-2023	4

HONS ,DSE- IV, History of China and Japan (1919 – 1939)	Rise of Modern Japan	[a] Process of modernization: social, military, political and educational; popular and democratic movement; [b] Rise of Political Parties, abolition of feudalism and economic growth. [c] Industrialization and the role of the state; the Zaibatsu.	February-2023 & March-2023	9
HONS ,DSE- IV, History of China and Japan (1919 – 1939)	. Imperial Japan	[a] Japan and World war I: Twenty-one Demands. [b] Washington Conference. [c] Manchurian crisis: role of the League of Nations. [d] Failure of the Democratic system and the rise of militarism in the 1930s and the 1940s.	April-2023	6
HONS ,DSE- IV, History of China and Japan (1919 – 1939)	Japan and World War-II	[a] Japan's bid for supremacy and defeat. [b] Post war Japan under General Douglas MacArthur.	May-2023 & June-2023	6

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: POLITICAL SCIENCE				
NAME OF THE TEACHER: ALOK DATTA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC2 POLITICAL THEORY	Different Approaches: (a) Traditional (b) Behavioural and Post-Behavioural (c) Marxist	Meaning -	DECEMBER	2
		Approaches	DECEMBER	4
	Liberty and Equality: Meaning and their Inter-relationship		JANUARY	4
	The Concept of Sovereignty: (a) Monistic (b) Pluralist (c) Popular	Meaning	JANUARY	1
		Monistic		2
		Pluralistic		2
		Popular		2
	Theories of State: (a) Idealist (b) Liberal (d) Gandhian	Idealist	FEBRUARY	1
		Liberal		2
		Gandhian		2
CC-1A WESTERN POLITICAL THOUGHT	Ancient Greek Political Thought		DECEMBER	2

	Medieval Political Thought: Main features		JANUARY	
	J.S. Mill concept of liberty		FEBRUARY	3
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-1 LEGISLATIVE SUPPORT	Powers and functions of people’s representatives at different tiers of governance – Members of Parliament; State Legislative Assemblies		AUGUST	3
				3
				2
	Supporting the legislative process – Law-making procedure, Role of Committees. Reading the budget document – Overview of Budget.		SEPTEMBER	2
				3
				2
	Process, Role of Parliament in reviewing the Union Budget Process, Role of Parliament in reviewing the Union Budget		NOVEMBER	3
			NOVEMBER	3
			DECEMBER	3
	Examination of Demands for Grants of Ministries, Working of Ministries		DECEMBER	3
				3
			JANUARY	2
			JANUARY	1
			JANUARY	2

SEC1 LEGISLATIVE PRACTICES AND PROCEDURES	Powers and functions of people's representative at different tiers of governance Members of Parliament, State legislative assemblies, functionaries of rural and urban local self - government from Zila Parishad, Municipal Corporation to Panchayat/ward		AUGUST SEPTEMBER	10
	Supporting the legislative process- How a bill becomes law, role of the Standing committee in reviewing a bill, legislative consultants, the framing of rules and regulations		NOVEMBER DECEMBER	4
	Supporting the Legislative Committees Types of committees, role of committees in reviewing government finances, policy, programmes, and legislation.		DECEMBER	4
	Reading the budget document – Overview of Budget. Process, Role of Parliament in reviewing the Union Budget Examination of Demands for Grants of Ministries, Working of Ministries		JANUARY	5
	Support in Media Monitoring and Communication; Types of Media and their significance for legislators; Basics of communications in print and electronic media		FEBRUARY	4
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		

SEMESTER-V					
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES	
CC-11 SOCIAL MOVEMENTS IN INDIA	Social Movements: Definition; Distinction between "new" and "old" social movements	DEFENATION	August	2	
		Analysis of movements		2	
	Positive discrimination and Dalit movements(Panthers) in India	Meaning of Positive discrimination	August	2	
		Dalit Movements		2	
	Trade Union movements in India: an overview of strength and weaknesses		September	3	
	Peasant moments in India: Case Study (Telengana and Tebhaga)		September	3	
	Women's movements in India: key issues		October		
	Environmental Movements in India: Chipko, Narmada Bachao Andolan	Features	December	2	
		Movements		4	
SEC-3 DEMOCRATIC AWARENESS THROUGH LEGAL LITERACY	Constitution – fundamental rights, fundamental duties, other constitutional rights	Fundamental rights	August	5	
		Fundamental Duties	August	2	
		Constitutional rights	August	2	
	Laws relating to dowry, sexual harassment and violence against women – laws relating to consumer rights and cyber crimes	Laws related to women’s violence	SEPTEMBER	3	
		Laws related to Consumer rights and Cyber crims		2	
	Anti-terrorist laws: Implication for security and human rights	Anti- terrorist laws	NOVEMBER	1	
		Human Rights	JANUARY	2	
	System of courts/ tribunals and their jurisdiction in India – criminal and civil courts,writ jurisdiction specialized courts such as		FEBRUARY	4	

	juvenile courts, Mahila courts and tribunal			

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

CC-4 INDIAN GOVERNMENT AND POLITICS	Fundamental Rights and Duties (b) Directive Principles of State Policy		MARCH	10
	Union Legislature: Lok Sabha and Rajya Sabha – Organization, Functions and Law-making Procedures; the Speaker; Procedure of Constitutional Amendment		APRIL	10
	Nature of Indian Federalism: Centre-States relations – Legislative, Administrative and Financial		MAY- JUNE	10

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-2 DEMOCRATIC AWARENESS THROUGH LEGAL	Anti-terrorist laws: Implication for security and human rights	Meaning and role	APRIL	1
		Agencies		5

LITERACY	System of courts/tribunals and their jurisdiction in India – criminal and civil courts, writ jurisdiction specialized courts such as juvenile courts, Mahila courts and tribunal		MAY	5
CC-1D INDIAN GOVERNMENT AND POLITICS	The Constituent Assembly: its Composition and role		APRIL	3
	The Preamble and its Significance		July	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 INDIAN FOREIGN POLICY	Key Determinants of India’s Foreign Policy-Geography, Parliament, Cabinet, PMO	Conceptual discussion	APRIL	1
		Determinants		4
	Recent trends in India’s Foreign		MAY	4

	Policy.			
DSE-4 UNDERSTANDING GLOBALIZATION	Globalization: Meaning and debates	MEANING	MAY	3
		DEBATES	JULY	3
	Impact of Globalization on Indian Economy		AUGUST	3
SEC-4 HUMAN RIGHTS EDUCATION	Meaning and a brief history of human rights (UDHR)		APRIL	3
	Human rights – Terrorism and Counter- terrorism		MAY	2
	Indian Constitution and protection of human rights		JULY	3
	National Human Rights Commission – Composition and functions		APRIL	2
	Human Rights Movements in India – Evolution, nature, challenges and prospects		JULY	2
GE-2 INDIAN GOVERNMENT AND POLITICS	Fundamental Rights and Duties (b) Directive Principles of State Policy		AUGUST	4

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: POLITICAL SCIENCE				
NAME OF THE TEACHER: SUDIPTA PAL				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC2 POLITICAL THEORY	The meaning of Politics and Political Theory; Importance of Political Theory: Decline and Resurgence	Meaning -	AUGUST	2
		Importance; Decline and Resurgence	AUGUST	4
	Theory of Justice: Rawls		SEPTEMBER	4
	Ideology	Meaning and Variants	NOVEMBER- DECEMBER	1
		Anarchism		2
		Liberalism and Neo- Liberalism		2
		Fascism		2
		The End of Ideology Debate – Daniel Bell and Francis Fukuyama		3
	Theories of State: Marxist		January	4

CC-1A WESTERN POLITICAL THOUGHT		Renaissance and Machiavelli: Concept of Power and Secularization of Politics	AUGUST	2
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6 PUBLIC ADMINISTRATI ON	Public Administration: Meaning, dimensions and significance of the; Evolution of Public Administration as a Discipline ; Identity crisis of Public Administration	Meaning, dimension, significance	JULY- AUGUST	3
		Evolution		3
		Identity crisis of discipline		2
	Classical Theories: Scientific Management(F.W. Taylor); Administrative Manage ment(Gullick, Urwick); Ideal type bureaucracy(Weber)	SMT	AUGUST	2
		Administrative Management		3
		Bureaucracy		2
	Neo-Classical Theories: Human Relations(Elton Mayo); Decision Making Theory(HerbertSimon); Motivation Theory(Herzbe rg, Maslow)	Human Relations(Elton Mayo)	AUGUST	3
		Decision Making Theory(HerbertSimon);	AUGUST	3
		Motivation Theory(Herzbe rg, Maslow)	AUGUST	3
	Contemporary Theories: Ecological Approach(Fred Riggs); Innovation andEntre preneurship(Peter Drucker)	Ecological Approach(Fred Riggs)	SEPTEMBER	3
		Innovation andEntreprene urship(Peter Drucker)		3
	Concepts of Administration: Hierarachy, Span of Control, Unity of Command, Line and Staff,Centralization-De centralization, Devolution, Delegation	Hierarachy, Span of Control, Unity of Command, Devolution, Delegation	SEPTEMBER	5
		Line and Staff	SEPTEMBER	1

		Centralization-De centralization	NOVEMBER	1
	Major approaches in Public Administration – New Public Administration, New Public Management, New Public Service Approach, Feminist Perspective	New Public Administration	NOVEMBER	2
		New PublicManagement,	DECEMBER	2
		New Public Service Approach	DECEMBER	1
		Feminist Perspective	DECEMBER	2
CC-1C INDIAN POLITICAL THOUGHT	Ancient Indian Political Thought : Features ; Kautilya’s theory of Saptanga and theconcept of ‘Dandaniti’	Features	AUGUST	2
		Saptanga theory	AUGUST	2
		Dandaniti	SEPTEMBER	2
	Main features of medieval Muslim Political Thought		November-	2
	Raja Rammohun Roy: perception of British Colonial Rule and their role as Modernizers	Perception towards British Rule	December	2
		Role	December	2
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBE R OF CLASSE S
DSE-2 UNDERSTAND ING GOOD GOVERNANCE	Meaning and evolution of the concept		JULY	5
	Good governance – Basic components		JULY	5
	Forms of governance: Concept and Basic Features Democratic governance		JULY	4
	E-governance corporate governance		AUGUST	8
	Global Governance-concept and features		AUGUST	5

	Green governance-concept and features		AUGUST	5
GE1 INDIAN POLITICAL THOUGHT	Ancient Indian Political Thought : Features ; Kautilya's theory of Saptanga and the concept of 'Dandaniti'	Features	JULY	2
		Saptanga theory	JULY	2
		Dandaniti	AUGUST	2
	Main features of medieval Muslim Political Thought		AUGUST	2
	Raja Rammohun Roy : perception of British Colonial Rule and their role as Modernizers.	Perception towards British Rule	SEPTEMBER	2
		Role	NOVEMBER	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-4 INDIAN GOVERNMENT AND POLITICS	Union Executive: President and Prime Minister: Powers and functions; Governor and Chief Minister: Powers and function	Power and Function of President	MARCH	4
		Power and Function of Prime Minister	MARCH	5
		Power and Function of Governor	MARCH	2
		Power and Function of Chief-Minister	APRIL	3
	Judiciary: Supreme Court and High Courts – Composition and Functions	Composition and function of SC	APRIL	6
		Composition and function of HC	MAY	4
	Party System in India: Features and Trends; Coalition Governments		MAY	4
	Electoral Process: Election Commission – Composition and Functions; Electoral reforms	Composition	JUNE	2
		Function	JUNE	3
		Electoral Reforms	JUNE	2
CC1B POLITICAL THEORY	Liberty and Equality: Meaning and their Inter-relationship	Meaning of Liberty	MARCH	1
		Meaning of Equality		1
		Interrelation		2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9 SOCIOLOGY AND POLITICS	Political Sociology and Sociology of Politics: Nature and Scope	Nature	MARCH	1
		Scope		1
	Political Culture: Meaning, Components and Types	Meaning and Components	MARCH	1
		Types		1
	Political Socialization: Meaning, Role and Agencies	Meaning and role	MARCH	1
		Agencies		1
	Political Participation: Meaning and Components	Meaning	May	1
		components		1
	Concepts of Powe r and Authority; Types of Authority	Concepts	May	1
		Types	MAY	1
	Feminism: Meaning, Significance and Different Schools	Meaning and significant	APRIL	1
		Different School	APRIL	1
	Environment and Politics; Environment Movements: An Overview; Eco-Feminism	Relation Between environment and politics	MAY	1
		Movements	MAY	2
		Eco-feminism	MAY	1
	Religion and Politics; Concept of Secularism	Concept of Secularism	JUNE	1
		Relation between religion and politics		2
	State and Civil Society: Media, Society and Politics		JUNE	4

CC-1D INDIAN GOVERNMENT AND POLITICS	Union Legislature: Lok Sabha and Rajya Sabha – Organization, Functions and Law-making Procedures; the Speaker; Procedure of Constitutional Amendment	Lok Sabha and Rajya Sabha – Organization	MARCH	2
		Law-making Procedures	MARCH	1
		Speaker	April	1
		Procedure of Constitutional Amendment	April	1
	Union Executive: President and Prime Minister: Powers and functions; Governor and Chief Minister: Powers and function	President : power and function	APRIL	2
		Prime Minister: power and function	MAY	2
		Governor : power and function	MAY	1
		Chief Minister: power and function	June	1
	Party System in India: Features and Trends; Coalition Governments	Features	June	1
		Trends	JUNE	2
	Electoral Process: Election Commission – Composition and Functions; Electoral Reforms	Election Commission – Composition and Functions	MAY	2
		Electoral Reforms	MAY	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

CC-14 CONTEMPORARY ISSUES IN INDIA	Women – Discrimination and violence against women..	Causes of Discrimination and social and legal steps for remedies	MARCH	3
		Types of discrimination		2
	Political Economy of Poverty and Inequality		April	3
	Social Backwardness and Protective Discrimination	Meaning	April	1
		Social and legal steps for remedies		2
	Disaster Risk Reduction and Development Planning	Meaning	May	1
		Planning : Indian and global		2
DSE-3 LOCAL GOVERNMENT IN WEST BENGAL	Structure and functions of Panchayati Raj Institutions in the light of the West Bengal Panchayat Act,1973.(as amended up to date)	Structure as per 1973 Bengal Panchayat Act	MAY	3
		Function as per 1973 Bengal Panchayat Act		3
DSE-1B UNDERSTANDING GLOBALIZATION	Globalization: Meaning and debates		MARCH	2
GE2 INDIAN GOVERNMENT AND	Union Executive: President and Prime Minister: Powers and functions; Governor and Chief Minister: Powers and function	President : power and function	MARCH	2
		Prime Minister: power and function	MARCH	2
		Governor : power and function	APRIL	2
		Chief Minister: power and function	APRIL	2
	Judiciary: Supreme Court and High Courts –	Supreme Court Composition	MAY	1
		Jurisdiction and function	MAY	3

POLITICS	Composition and Functions	High Court : Composition and Function	MAY	1
	Party System in India: Features and Trends; Coalition Governments	Features	JUNE	1
		Trends	JUNE	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: Political Science				
NAME OF THE TEACHER: Dr. Arnab Dasgupta				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CCI -WESTERN POLITICAL THOUGHT	Ancient Greek Political Thought	Plato – Justice; Aristotle: Concept of the State	August- September	8
CCI -WESTERN POLITICAL THOUGHT	Medieval Political Thought	Main features	September - October	4
CCI -WESTERN POLITICAL THOUGHT	Renaissance and Machiavelli	Concept of Power and Secularization of Politics	December- January	5
CCI -WESTERN POLITICAL THOUGHT	J.S. Mill and Isaiah Berlin	concept of Liberty	January- February	5

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 COMPARATIVE POLITICS	Transition from Comparative Government to Comparative Politics	Scope and Objectives of Comparative Politics	July	8
CC-5 COMPARATIVE POLITICS	Conventions and the Rule of Law in UK ; Bill of Rights in the USA		August	7
CC-5 COMPARATIVE POLITICS	Unitary Systems: UK and France; Federal Systems: USA		August	8
CC-5 COMPARATIVE POLITICS	Parliamentary and Presidential Systems	UK and USA and China	September	8
CC-5 COMPARATIVE POLITICS	Party System in UK and USA and France, Nigeria, Mexico.		September	10
CC-5 COMPARATIVE POLITICS	Legislatures in UK and USA	Composition and Functions	December	10
CC-5 COMPARATIVE POLITICS	Judiciary in UK, USA and France		December	10

ACADEMIC SESSION: 2022-2023 PROGRAM TYPE: GENERAL/ GENERIC

CC-1C INDIAN POLITICAL THOUGHT	Rabindranath Tagore	State, Society and Nation	July- September	10
CC-1C INDIAN POLITICAL THOUGHT	B.R. Ambedkar	Social Justice	December	5

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Distinctive features of Indian and Western political thought	NA	July	6
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Indian Thought: Thinkers and Themes Kautilya on State	NA	August	4
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Tilak and Gandhi on Swaraj	NA	August	6
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Ambedkar on Social Justice	NA	August	5
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Nehru and Jayaprakash Narayan on Democracy	NA	September	8
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Western Thought: Thinkers and Themes Aristotle on Citizenship	NA	September	8
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Locke on Rights	NA	September	4

DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Rousseau on inequality	NA	November	4
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	J. S. Mill on liberty and democracy	NA	November	4
ACADEMIC SESSION: 2022-2023 COURSE TYPE: GENERAL/ GENERIC				
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Distinctive features of Indian and Western political thought	NA	July	4
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Western Thought: Thinkers and Themes Aristotle on Citizenship	NA	August	6
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Locke on Rights	NA	August	5
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	Rousseau on inequality	NA	September	5
DSE-1 SELECT COMPARATIVE POLITICAL THOUGHT	J. S. Mill on liberty and democracy	NA	November	6

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 INDIAN POLITICAL THOUGHT	Ancient Indian Political Thought : Features ; Kautilya’s theory of Saptanga and theconcept of ‘Dandaniti’		March	6
CC-3 INDIAN POLITICAL THOUGHT	Main features of medieval Muslim Political Thought		March-April	4
CC-3 INDIAN POLITICAL THOUGHT	Mohandas Karamchand Gandhi : Satyagraha; trusteeship		March-April	6
CC-3 INDIAN POLITICAL THOUGHT	B.R. Ambedkar : Social Justice		May	4
GENERAL/ ~~GENERIC~~				
CC-1B POLITICAL THEORY	Liberalism and Neo- Liberalism		March	8
CC-1B POLITICAL THEORY	Political Parties and Pressure Groups: Concept and role		April-May	10

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-10 INTERNATIONAL ORGANIZATIONS	Evolution of international organizations.		March	6
CC-10 INTERNATIONAL ORGANIZATIONS	United Nations: its Emergence; General Assembly and Security Council; Secretariat;Secretary General;		March-April	18
CC-10 INTERNATIONAL ORGANIZATIONS	International Court of Justice: Composition and Functions Peacekeeping and Peacebuilding Role of the UN.		April-May	12
CC-10 INTERNATIONAL ORGANIZATIONS	Regional Economic Organizations- APEC &OPEC		May	8
CC-10 INTERNATIONAL ORGANIZATIONS	Regional security organizations- NATO & ARF.		May-June	7
CC-10 INTERNATIONAL ORGANIZATIONS	Regional Organizations: SAARC and ASEAN, BRICS – Goals and Functioning		May-June	12

**COURSE TYPE:
GENERAL/ GENERIC**

CC-1D INDIAN GOVERNMENT AND POLITICS	The Constituent Assembly: its Composition and role		March	5
CC-1D INDIAN GOVERNMENT AND POLITICS	The Preamble and its Significance		March	4
CC-1D INDIAN GOVERNMENT AND POLITICS	Fundamental Rights and Duties (b) Directive Principles of State Policy		April	18
CC-1D INDIAN GOVERNMENT AND POLITICS	Nature of Indian Federalism: Centre- States relations – Legislative, Administrative and Financial		May	12
CC-1D INDIAN GOVERNMENT AND POLITICS	Judiciary: Supreme Court and High Courts – Composition and Functions		June	8

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 INDIAN FOREIGN POLICY	India’s Foreign Policy towards her neighbours; Recent engagement with Pakistan,Bangladesh and Nepal, Bhutan		February	18
CC-13 INDIAN FOREIGN POLICY	India and the major powers-USA, China, Russia		March	12
DSE-4 UNDERSTANDING GLOBALIZATION	Globalization and Terrorism		April	6
DSE-4 UNDERSTANDING GLOBALIZATION	Globalization and new international order		May	6
DSE-4 UNDERSTANDING GLOBALIZATION	Globalization and Localization: Dimensions of cultural change		June	8

GENERAL/ GENERIC

DSE-1B UNDERSTANDING GLOBALIZATION	Globalization and new international order		February	4
DSE-1B UNDERSTANDING GLOBALIZATION	Globalization and Localization: Dimensions of cultural change		February	8
GE2 INDIAN GOVERNMENT AND POLITICS	Nature of Indian Federalism: Centre-States relations – Legislative, Administrative and Financial		March	8
GE2 INDIAN GOVERNMENT AND POLITICS	Union Legislature: Lok Sabha and Rajya Sabha – Organization, Functions and Law-making Procedures; the Speaker; Procedure of Constitutional Amendment		March-April	18
GE2 INDIAN GOVERNMENT AND POLITICS	Electoral Process: Election Commission – Composition and Functions; Electoral Reforms		May	10

CHANDERNAGORE COLLEGE			
CURRICULUM PLAN			
SUBJECT: POLITICAL SCIENCE			
NAME OF THE TEACHER: SRIJITA MAJUMDAR			
DATE OF COMMENCEMENT OF CLASSES: 23.8.2022		DATE OF DISSOLUTION OF CLASSES: 9.2.2023	
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: I			
COURSE CODE & TITLE	UNIT NAME (TOPIC)	MONTH	NUMBER OF CLASSES
CCI -WESTERN POLITICAL THOUGHT	Hobbes: Concept of Sovereignty; Locke: Foundations of Liberalism; Rousseau:General Will	August- September- November	6
CCI -WESTERN POLITICAL THOUGHT	Hegel: State	December- January	4
SEMESTER I(GENERAL)			
CCI -WESTERN POLITICAL THOUGHT	Marx and Engels: Dialectical and Historical Materialism; Lenin: Imperialism	August- September	6

CC1A-WESTERN POLITICAL THOUGHT	Hobbes, Locke, Rousseau: Concept of Sovereignty	November	4
CC1A-WESTERN POLITICAL THOUGHT	Marx and Engels: Dialectical and Historical Materialism; Lenin: Imperialism	December-January	5
DATE OF COMMENCEMENT OF CLASSES: 25.7.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III			
COURSE CODE & TITLE	UNIT NAME (TOPIC)	MONTH	NUMBER OF CLASSES
CC-7-LOCAL GOVERNMENT IN INDIA	73 rd Amendment Act and its implications for rural local-self Government in India.	July	2
CC-7-LOCAL GOVERNMENT IN INDIA	74 th Amendment Act and its implications for urban local-self Government in India	August	2
CC-7-LOCAL GOVERNMENT IN INDIA	Rural Administration in West Bengal: Panchayati Raj Institutions; Role of BDO	August	2
CC-7-LOCAL GOVERNMENT IN INDIA	Urban Administration in West Bengal: Municipalities and Municipal Corporations.	September	2

CC-7-LOCAL GOVERNMENT IN INDIA	District Administration: Role of DM, SP & SDO.	September	2
CC-7-LOCAL GOVERNMENT IN INDIA	State Administration in West Bengal: Chief Secretary; Divisional Commissioner;	November	2
CC-7-LOCAL GOVERNMENT IN INDIA	Administrative Reforms in India: Impact of Globalization – RTI, Lokpal and Lokayukta	November- December	6
DATE OF COMMENCEMENT OF CLASSES: 25.7.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2020-2021		COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER-III GENERAL			
CC-1C-INDIAN POLITICAL THOUGHT	Bankim Chandra Chattopadhyay	July-August	2
CC-1C-INDIAN POLITICAL THOUGHT	Vivekananda Nationalism	September	2
CC-1C-INDIAN POLITICAL THOUGHT	Mohandas Karamchand Gandhi : Satyagraha and Trusteeship	November	3
SEC1- LEGISLATIVE PRACTICES AND PROCEDURES	Powers and functions of people's representative at different tiers of governance-Members of Parliament, State legislative assemblies, functionaries of rural and urban local self - government from Zila Parishad, Municipal Corporation to Panchayat/ward	July	2
SEC1- LEGISLATIVE PRACTICES AND PROCEDURES	Powers and functions of people's representative at different tiers of governance -State legislative assemblies,	August	2

SEC1- LEGISLATIVE PRACTICES AND PROCEDURES	Powers and functions of people's representative at different tiers of governance -functionaries of rural and urban local self - government from Zila Parishad, Municipal Corporation to Panchayat/ward	August	2
SEC1- LEGISLATIVE PRACTICES AND PROCEDURES	Supporting the legislative process- How a bill becomes law, role of the Standing committee in reviewing a bill, legislative consultants, the framing of rules and regulations	August	2
SEC1- LEGISLATIVE PRACTICES AND PROCEDURES	Supporting the Legislative Committees Types of committees, role of committees in reviewing government finances, policy, programmes, and legislation.	September	2
SEC1- LEGISLATIVE PRACTICES AND PROCEDURES	Reading the budget document – Overview of Budget. Process, Role of Parliament in reviewing the Union Budget Examination of Demands for Grants of Ministries, Working of Ministries	September	2
SEC1- LEGISLATIVE PRACTICES AND PROCEDURE	Support in Media Monitoring and Communication; Types of Media and their significance for legislators; Basics of communications in print and electronic media	November- December	5

DATE OF COMMENCEMENT OF CLASSES: 25.7.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022	
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER-V			
PAPER	UNIT NAME (TOPIC)	MONTH	NUMBER OF CLASSES
CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Meaning and Objective of social science research	July	2
CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Theoretical foundations of research: A brief outline of Positivism, Post- Positivism,and the critiques	August	2
CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Methodology of research: Qualitative and Quantitative	August	2
CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Vocabulary of research: Concept, Variable,Propositi on, Hypothesis, Theory	August	1
CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Components of Research Design: Problemation, Hypothesis formulation, Data collection,and testing of hypothesis.	September	2

CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Major methods and techniques of Data Collection: Survey method	September	2
CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Interview Method	November	2
CC-12- ELEMENTARY RESEARCH METHODS IN POLITICAL SCIENCE	Case study	November	2
SEMESTER V GENERAL			
DSE 1A- SELECT COMPARATIVE POLITICAL THOUGHT T	Indian Thought: Thinkers and The mes: Kautilya on State	July	1
DSE 1A- SELECT COMPARATIVE POLITICAL THOUGHT T	Tilak and Gandhi on Swaraj	August- September	4
DSE 1A- SELECT COMPARATIVE POLITICAL THOUGHT T	Ambedkar on Social Justice	September	2
DSE 1A- SELECT COMPARATIVE POLITICAL THOUGHT T	Nehru and Jayaprakash Narayan on Democracy	November	4

DATE OF COMMENCEMENT OF CLASSES: 9.3.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER II			
PAPER	UNIT NAME (TOPIC)	MONTH	NUMBER OF CLASSES
CC-3- INDIAN POLITICAL THOUGHT	Raja RammohunRoy: perception of British Colonial Rule and their role as Modernizers.	March	2
CC-3- INDIAN POLITICAL THOUGHT	Bankim Chandra Chattopadhyay	March-April	3
CC-3- INDIAN POLITICAL THOUGHT	Vivekananda Nationalism	April	2
CC-3- INDIAN POLITICAL THOUGHT	Rabindranath Tagore; State, Society and Nation	May-June-	4
SEMESTER II GENERAL			
CC-1B- POLITICAL THEORY	The meaning of Politics and Political Theory; Importance of Political Theory	March	2

CC-1B- POLITICAL THEORY	Different Approaches: (a) Traditional (b) Behavioural and Post-Behavioural (c)Marxist	April-May	3
CC-1B- POLITICAL THEORY	The Concept of Sovereignty: (a) Monistic (b) Pluralist (c) Popular	June	3

DATE OF COMMENCEMENT OF CLASSES: 9.3.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2020-2021		COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV			
PAPER	UNIT NAME (TOPIC)	MONTH	NUMBER OF CLASSES
CC-8- INTERNATIONAL RELATIONS	Nature and Scope of International Relations; Ide alist, Realist, and Neo-Realist approaches in IR.	March	6
CC-8- INTERNATIONAL RELATIONS	National Power: Concepts and Ele ments	April	2
CC-8- INTERNATIONAL RELATIONS	Balance of Power and Collective Security	April	2
CC-8- INTERNATIONAL RELATIONS	Origin and End of the Cold War	April-May	6
CC-8- INTERNATIONAL RELATIONS	Post Cold War global issues: (a) Globalization (b) Human Rights (c) Terrorism	May	2
CC-8- INTERNATIONAL RELATIONS	Disarmament: NPT, CTBT, and NSG	June	2
CC-8- INTERNATIONAL RELATIONS	Foreign Policy and Diplomacy: Conce pts, Determinants and Objectives	June	2
CC-8- INTERNATIONAL RELATIONS	Indian Foreign Policy: Basic Tene ts.	June	2

SEMESTER IV GENERAL			
SEC2- ENVIRONMENTAL AWARENESS	Environmentalism : Meaning, Key Related Ideas, Significance	March	3
SEC2- ENVIRONMENTAL AWARENESS	Collective action problems and environmental challenges in developing and ~~develop~~ countries;	April	4
SEC2- ENVIRONMENTAL AWARENESS	Major Environmental Movements in India: Chipko – Narmada Banchao	May	3
SEC2- ENVIRONMENTAL AWARENESS	Regional and international efforts to address climate change	June	4

DATE OF COMMENCEMENT OF CLASSES: 1.2.2023		DATE OF DISSOLUTION OF CLASSES: 16.6.2023	
ACADEMIC SESSION: 2020-2021		COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI			
PAPER	UNIT NAME (TOPIC)	MONTH	NUMBER OF CLASSES
CC-14- CONTEMPORARY ISSUES IN INDIA	Caste System in India – Its changing nature and dynamics	February	2
CC-14- CONTEMPORARY ISSUES IN INDIA	Secularism and Communalism	February	2
CC-14- CONTEMPORARY ISSUES IN INDIA	Rights of Persons With Disabilities (PWDs) in India	March	1
DSE-3- LOCAL GOVERNMENT IN WEST BENGAL	Structure and functions of urban local governments in the light of the West Bengal Municipal Act, 1993	March	3
DSE-3- LOCAL GOVERNMENT IN WEST BENGAL	Structure and functions of urban local governments in the light of the West Bengal Municipal Act, 1993	April	2
DSE-3- LOCAL GOVERNMENT IN WEST BENGAL	Local Government and empowerment of Women, SCs, and STs.	May	2
DSE-3- LOCAL GOVERNMENT IN WEST BENGAL	State-Local Government Relations: Financial control of the State.	May-June	3

SEMESTER VI (GENERAL)			
DSE-1B- UNDERSTANDING GLOBALIZATION	Impact of Globalization on Indian Economy	March	3
DSE-1B- UNDERSTANDING GLOBALIZATION	Globalization and Terrorism	April	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: POLITICAL SCIENCE				
NAME OF THE TEACHER: MANAS MUKUL BANDOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-4 INDIAN GOVERNMENT AND POLITICS	The Constituent Assembly: its Composition and role		FEBRUARY	3
	The Preamble and its Significance		MARCH	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

SEC-2 DEMOCRATIC AWARENESS THROUGH LEGAL LITERACY	Constitution – fundamental rights, fundamental duties, other constitutional rights	Nature	MARCH	2
		Scope		2
	Laws relating to dowry, sexual harassment and violence against women – laws relating to consumer rights and cyber crimes	Meaning and Components	MAY	1
		Types		7
CC-1D INDIAN GOVERNMENT AND POLITICS	The Constituent Assembly: its Composition and role		APRIL	3
	The Preamble and its Significance		July	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME	SUB UNIT NAME	MONTH	NUMBER

	(TOPIC)			OF CLASSES
DSE-3 LOCAL GOVERNMENT IN WEST BENGAL	Evolution of Rural and Urban local government in West Bengal since independence	Conceptual discussion	APRIL	1
		Determinants		6
	Recent trends in India's Foreign Policy.		MAY	8
GE-2 INDIAN GOVERNMENT AND POLITICS	The Constituent Assembly: its Composition and role		MARCH	1
	The Preamble and its Significance		APRIL	1
	Fundamental Rights and Duties (b) Directive Principles of State Policy		MAY -JUNE	8

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHILOSOPHY				
NAME OF THE TEACHER: BRATATI KUNDU DEY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I	NYAYA	Nyaya -Epistemology		1
CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I		Perception		2
CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I		Inference		2
CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I		Comparison		1

CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I		Testimony		1
CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I		Khyativada(theory of Error)		4
CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I	Vaisesika	Introduction,		1
CC1, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY I		Saptapadārtha (Seven Ontological Categories) ,Paramanuvada		5
GE1, Indian Philosophy	Nyāya	5. Nyāya–Vaiśeṣika: (a) pramāṇa: pratyakṣa (Perception), anumāna (Inference), upamāna (Comparison) and śabda (testimony)		4
GE1, Indian Philosophy	Vaiśeṣika	saptapadārtha (Seven Categories)		5

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC7 Annambhatta :Tarkasaṃgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]	Definition of Cognition & its varieties]	Introduction		2
		Cognition (Buddhi)		2
CC7 Annambhatta :Tarkasaṃgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]		Memory (Smriti)		2
CC7 Annambhatta :Tarkasaṃgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]		Anubhava; Veridical & Non-Veridical		3
CC7 Annambhatta :Tarkasaṃgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to	Four fold Division of Prama & Pramana	Karana-laksana		2

the end of upamāna]				
CC7 Annaṁbhatta :Tarkasaṁgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]		Concept of Anyathasiddhi		3
CC7 Annaṁbhatta :Tarkasaṁgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]		Karya, Karana & Karana		3
CC7 Annaṁbhatta :Tarkasaṁgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]		Pratyaksa Jnana, (Nirvikalpaka & Svavikalpaka), Sannikarsa		10
CC7 Annaṁbhatta :Tarkasaṁgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]	Anumana Pramana	Anumana, Anumiti & Paramarsa,		6
CC7 Annaṁbhatta :Tarkasaṁgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]		Paksata, Paksadharmata, Vyapti, Division of Anumana Linga- Paramarsa,		10

CC7 Annam̐bhata :Tarkasaṁgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]		Hetvabhasa		4
CC7 Annam̐bhata :Tarkasaṁgraha with Dīpikā [From the text “sarvavyavahārahe turguṇo buddhirjñānam” to the end of upamāna]	Upamana Pramana	Definitionn of Upamana Pramana		2
SEC 1 Philosophy in Practice	5. Methods of Philosophical Discourse(kathā):(a)vāda,(b)j alpa, (c)vitaṇḍā,(d)chhala,(e)jātian d (f) nigrahasthāna			6
GE3 LOGIC	LOGIC	Types of Argument :Deductive Argument and Inductive Argument		3
GE3 LOGIC		Types of Argument :Deductive Argument and Inductive Argument		4
GE3 LOGIC		ImmediateInference:Conve rsion, Obversion and Contraposition,		6

GE3 LOGIC		CategoricalSyllogisms:Rules and Fallacies,	January – March 2021	8
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE1 KATHOPANISAD	Pratham Adhyaya Pratham Valli	Shantipatha, Shloka No 1 theke 11		5
DSE1 KATHOPANISAD	Pratham Adhyaya Pratham Valli	Shloka No 12 theke 19		7
DSE1 KATHOPANISAD	Pratham Adhyaya Pratham Valli	Shloka No 20 theke 29		4
DSE1 KATHOPANISAD	Pratham Adhyaya Dvitiya Valli	Shloka No 1 theke 10		4
DSE1 KATHOPANISAD	Pratham Adhyaya Dvitiya Valli	Shloka No 11 theke 18		6
DSE1 KATHOPANISAD	Pratham Adhyaya Dvitiya Valli	Shloka No 19 theke 25		5
DSE1 KATHOPANISAD	Pratham Adhyaya Tritiya Valli	Shloka No 1 theke 6		6

DSE1 KATHOPANISAD	Pratham Adhyaya Tritiya Valli	Shloka No 7 theke 12		5
DSE1 KATHOPANISAD	Pratham Adhyaya Tritiya Valli	Shloka No 13 theke 17		5
DSE- 1B (GENERAL)	Tarkasaṁgraha with Dīpikā	Padartha: Introduction		3
DSE- 1B (GENERAL)	Tarkasaṁgraha with Dīpikā	Concept of Samanya,		2
DSE- 1B (GENERAL)	Tarkasaṁgraha with Dīpikā	Samanya laksana		2
DSE- 1B (GENERAL)	Tarkasaṁgraha with Dīpikā	Division of Samanya		1
DSE- 1B (GENERAL)	Tarkasaṁgraha with Dīpikā	Visesa Padartha		2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 2, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY II	. Pūrva- Mīmāṃsā:(i) pramāṇa-s with special reference to Arthāpatti and Anupalabdhi, (ii) Prāmāṇyavāda	Intrduction		1
CC 2, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY II	. Pūrva- Mīmāṃsā:(i) pramāṇa-s with special reference to Arthāpatti and Anupalabdhi, (ii) Prāmāṇyavāda	Arthapatti		2
CC 2, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY II	. Pūrva- Mīmāṃsā:(i) pramāṇa-s with special reference to Arthāpatti and Anupalabdhi, (ii) Prāmāṇyavāda	Anupolabdhi		2
CC 2, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY II	. Pūrva- Mīmāṃsā:(i) pramāṇa-s with special reference to Arthāpatti and Anupalabdhi, (ii) Prāmāṇyavāda	Origin of Nyaya view		3
CC 2, COURSE TITLE : OUTLINES OF INDIAN PHILOSOPHY II	. Pūrva- Mīmāṃsā:(i) pramāṇa-s with special reference	Ascertainment of Nyaya view		3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 8 (Western Logic-I)	Deduction: Division of Deductive & Inductive argument	Introduction : What is Logic, Premises & conclusions, deductive & inductive Argument		1
CC 8 (Western Logic-I)	Categorical Proposition	Categorical Proposition & their classes, Distribution of terms		1
CC 8 (Western Logic-I)		Traditional Square of opposition, Immediate Inference		2
CC 8 (Western Logic-I)		Existential Import, Symbolism & diagram for categorical Proposition		3
CC 8 (Western Logic-I)	Categorical Syllogism	Standard form Categorical Syllogism, Formal nature of syllogistic argument, Rules & Fallacies		4
CC 8 (Western Logic-I)		Venn Diagram Technique for testing Syllogism		8
CC 8 (Western Logic-I)	Arguments in ordinary language	Reducing the number of terms in a syllogistic arguments, Translating categorical proposition into standard form		2
CC 8 (Western Logic-I)		Enthymemes, sorites		1

CC 8 (Western Logic-I)		Compound argument, Dilemma		4
GE4 Contemporary Indian Philosophy	Swami Vivekananda : (a) Practical Vedānta and (b) Universal Religion	Practical Vedānta		4
GE4 Contemporary Indian Philosophy		Universal Religion		4
SEC 2 Philosophy of Human Rights	. Natural Right ,Fundamental Right and Human Right	Natural Right		2
SEC 2 Philosophy of Human Rights		Fundamental Right		2
SEC 2 Philosophy of Human Rights		Human Right		2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Special Text: Hume: An Enquiry Concerning Human Understanding	Hume: An Enquiry Concerning Human Understanding	Introduction		3
Special Text: Hume: An Enquiry Concerning Human Understanding		Of the Different Species of Philosophy		2
Special Text: Hume: An Enquiry Concerning Human Understanding		Of the Origin of Ideas		3
Special Text: Hume: An Enquiry Concerning Human Understanding		Of the Association of Ideas		3
Special Text: Hume: An Enquiry Concerning Human Understanding		Sceptical Doubts Concerning the Operation of the Understanding		5
Special Text: Hume: An Enquiry Concerning Human Understanding		Sceptical Solution of these Doubts		5
Special Text: Hume: An Enquiry Concerning Human Understanding		Of the Idea of Necessary Connection		5

[illegible]

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT:				
NAME OF THE TEACHER: RITA MALLICK				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE- 1 Outlines of Indian Philosophy—I	Jainism	INTRODUCTION	AUGUST 2022	1
COURSE CODE- 1 Outlines of Indian Philosophy—I	Jainism	Anekāntavāda,	AUGUST 2022	3
COURSE CODE- 1 Outlines of Indian Philosophy—I	Jainism	Syādvāda and nayavāda,	SEPTEMBER20 22	3
COURSE CODE- 1 Outlines of Indian Philosophy—I	Jainism	Theory of Self and Liberation	OCTOBER 2022	3

COURSE CODE- 1 Outlines of Indian Philosophy—I	Jainism	Nature of Substance: Relation between Substance, Attributes & Modes	NOVEMBER 2022	4
COURSE CODE- 1 Outlines of Indian Philosophy—I	Buddhism	INTRODUCTION	DECEMBER 2022	1
COURSE CODE- 1 Outlines of Indian Philosophy—I	Buddhism	Four Noble Truths,	DECEMBER 2022	4
COURSE CODE- 1 Outlines of Indian Philosophy—I	Buddhism	Pratītyasamutpāda	JANUARY 2023	3
COURSE CODE- 1 Outlines of Indian Philosophy—I	Buddhism	Kṣaṇabhangavāda	JANUARY 2023	3
COURSE CODE- 1 Outlines of Indian Philosophy—I	Buddhism	Nairātmyavāda	FEBRUARY 2023	2
COURSE CODE- 1 Outlines of Indian Philosophy—I	Buddhism	Four Major Schools of Buddhism	FEBRUARY 2023	8

GENERAL ELECTIVE-1 Indian Philosophy	Sāṃkhya	Satkāryavāda(Theory of Causality)	AUGUST 2022	1
GENERAL ELECTIVE-1 Indian Philosophy	Sāṃkhya	Satkāryavāda(Theory of Causality)	AUGUST 2022	1
GENERAL ELECTIVE-1 Indian Philosophy	Sāṃkhya	Pariṇāmavāda(Theory of Evolution)	SEPTEMBER 2022	2
GENERAL ELECTIVE-1 Indian Philosophy	Sāṃkhya	Pariṇāmavāda(Theory of Evolution)	OCTOBER 2022	2
GE- 1 Indian Philosophy	Yoga	Cittavṛttinirodha	NOVEMBER 2022	2
GENERAL ELECTIVE-1 Indian Philosophy	Yoga	Cittavṛttinirodha	DECEMBER 2022	2
GENERAL ELECTIVE-1 Indian Philosophy	Yoga	Aṣṭāṅgayoga	JANUARY 2022	2
GENERAL ELECTIVE-1 Indian Philosophy	Yoga	Aṣṭāṅgayoga	FEBRUARY 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE- 6 Western Ethics	Nature and Scope of Ethics	Meaning and Definition of Ethics, Nature of Ethics, Scope of Ethics	JULY 2022	2
COURSE CODE- 6 Western Ethics	Nature of Morality	What is Morality and Nature of Morality	JULY 2022	1
COURSE CODE- 6 Western Ethics	Moral and Non-moral actions	Meaning of Moral and Non-Moral Actions, Different types of Non-moral Actions, Voluntary action and its different stages	JULY 2022	2
COURSE CODE- 6 Western Ethics	Object of Moral Judgment	What is the object of moral judgement motive or intention	JULY 2022	1
COURSE CODE- 6 Western Ethics	Motive and Intention	Meaning of Motive and Intention and distinguish between them	AUGUST 2022	2
COURSE CODE- 6 Western Ethics	Postulates of Morality	Nature of the Postulates of Morality, Freedom of will: Determinism vs Indeterminism	AUGUST 2022	2
COURSE CODE- 6 Western Ethics	The Development of Morality	Meaning of the development of morality	AUGUST 2022	1

GENERAL ELECTIVE - 3 Logic	Truth-functional Argument	Kind of propositions, Different kinds of compound propositions	SEPTEMBER 2022	2
GENERAL ELECTIVE - 3 Logic	Truth-functional Argument	Truth value of different kinds of compound propositions	SEPTEMBER 2022	2
GENERAL ELECTIVE - 3 Logic	Truth-functional Argument	Argument and argument form, Testing the validity of argument and argument form	OCTOBER 2022	2
GENERAL ELECTIVE - 3 Logic	Truth-functional Argument	Tautologous, Self-contradictory and Contingent Statement forms	NOVEMBER 2022	1
SEC- 1 Philosophy in Practice	Common and Differentiating Characteristics of Philosophy and darśana	What is Philosophy and darśana	NOVEMBER 2022	1
SEC- 1 Philosophy in Practice	Common and Differentiating Characteristics of Philosophy and darśana	Different Characteristics of Philosophy and darśana	DECEMBER 2022	1
SEC- 1 Philosophy in Practice	Common and Differentiating Characteristics of Philosophy and darśana	Common Characteristics of Philosophy and darśana	DECEMBER 2022	1
SEC- 1 Philosophy in Practice	Nature of Inquiry in Philosophy and darśana	Nature of Inquiry in Philosophy	DECEMBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE- 11 Socio-Political Philosophy	Nature of Political Philosophy	Nature of political Philosophy: Scientific theory and Philosophical theory about what is Political Philosophy	JULY 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Nature of Political Philosophy	Is Political Philosophy Normative?	JULY 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Political Ideals	Nature of Political Ideals	JULY 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Political Ideals	Democratic Ideals	JULY 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Political Ideals	Different forms of Democratic Government	AUGUST 2022	2
COURSE CODE- 11 Socio-Political Philosophy	Political Ideals	Indirect Democracy	AUGUST 2022	2
COURSE CODE- 11 Socio-Political Philosophy	Political Ideals	Direct Democracy	SEPTEMBER 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Socialism	Utopian Socialism	SEPTEMBER 2022	1

COURSE CODE- 11 Socio-Political Philosophy	Socialism	Scientific Socialism	SEPTEMBER 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Socialism	Difference between Utopian Socialism and Scientific Socialism	SEPTEMBER 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Socialism	Rabindranath- Nation, Nationalism, Internationalism	OCTOBER 2022	3
COURSE CODE- 11 Socio-Political Philosophy	Socialism	Rabindranath- Nation, Nationalism, Internationalism	OCTOBER 2022	1
COURSE CODE- 11 Socio-Political Philosophy	Socialism	Rabindranath- Nation, Nationalism, Internationalism	OCTOBER 2022	1
COURSE CODE -12 Analytic Philosophy	Philosophy of Logic and Language:	Meaning,	NOVEMBER 2022	4
COURSE CODE -12 Analytic Philosophy	Philosophy of Logic and Language:	Definition	NOVEMBER 2022	4
COURSE CODE -12 Analytic Philosophy	Philosophy of Logic and Language:	Truth	NOVEMBER 2022	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE -3 Outlines of Indian Philosophy—II	Sāṃkhya	Satkāryavāda	MARCH 2023	2
COURSE CODE -3 Outlines of Indian Philosophy—II	Sāṃkhya	Pañcaviṃśati tattva	MARCH 2023	2
COURSE CODE -3 Outlines of Indian Philosophy—II	Sāṃkhya	Tattvapariṇāma	MARCH 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Sāṃkhya	Prakṛti and its Guna-s	APRIL 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Sāṃkhya	Prakṛti and its Guna-s	APRIL 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Sāṃkhya	Notion of puruṣa	APRIL 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Sāṃkhya	Bahupuruṣavāda	MAY 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Yoga	citta,	MAY 2023	1

COURSE CODE -3 Outlines of Indian Philosophy—II	Yoga	cittabhūmi	MAY 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Yoga	cittavṛtti	MAY 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Yoga	cittavṛttinirodha	JUNE 2023	1
COURSE CODE -3 Outlines of Indian Philosophy—II	Yoga	īśvara	JUNE 2023	1
GENERAL ELECTIVE- 2 Western Philosophy	Critical Theory of Kant	Introduction	JUNE 2023	1
GENERAL ELECTIVE- 2 Western Philosophy	Critical Theory of Kant	Critical theory of knowledge	JULY 2023	1
GENERAL ELECTIVE- 2 Western Philosophy	Critical Theory of Kant	Synthetic judgement a priori	JULY 2023	1
GENERAL ELECTIVE- 2 Western Philosophy	Critical Theory of Kant	Space and time are two forms of sensibility	JULY 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE - 9 Psychology	Learning	Classical Conditioning Theory,	MARCH 2023	1
COURSE CODE - 9 Psychology	Learning	Instrumental (Operant) Conditioning Theory	MARCH 2023	2
COURSE CODE - 9 Psychology	Learning	Trial and Error Theory,	MARCH 2023	2
COURSE CODE - 9 Psychology	Learning	Insight Theory	MARCH 2023	1
COURSE CODE - 9 Psychology	Memory	Factors of Memory	APRIL 2023	2
COURSE CODE - 9 Psychology	Memory	Marks of Good Memory	APRIL 2023	1
COURSE CODE - 9 Psychology	Memory	Laws of Association,	APRIL 2023	1
COURSE CODE - 9 Psychology	Memory	Causes of Forgetfulness	APRIL 2023	1

COURSE CODE - 9 Psychology	Consciousness	Levels of Consciousness	APRIL 2023	1
COURSE CODE - 9 Psychology	Consciousness	Freud's Theory of Dream	MAY 2023	1
COURSE CODE - 9 Psychology	Intelligence	Insight and Intelligence,	MAY 2023	1
COURSE CODE - 9 Psychology	Intelligence	Measurement of Intelligence,	MAY 2023	1
COURSE CODE - 9 Psychology	Intelligence	I.Q Test of Intelligence	MAY 2023	2
GENERAL ELECTIVE- 4 Contemporary Indian Philosophy	S. Radhakrishnan	Nature of Man	JUNE 2023	2
GENERAL ELECTIVE- 4 Contemporary Indian Philosophy	S. Radhakrishnan	Nature of Religious Experience	JUNE 2023	2
SKILL ENHANCEMENT COURSE- 2 Philosophy of Human Rights	Definition and Nature of Human Rights	Definition of Human Rights	JUNE 2023	1
SKILL ENHANCEMENT COURSE- 2 Philosophy of Human Rights	Definition and Nature of Human Rights	Nature of Human Rights	JULY 2023	2
SKILL ENHANCEMENT COURSE- 2 Philosophy of Human Rights	Definition and Nature of Human Rights	Nature of Human Rights	JULY 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE - 13 Philosophy in the Twentieth Century: India	S. Radhakrishnan	Nature of Man,	FEBRUARY 2023	1
COURSE CODE - 13 Philosophy in the Twentieth Century: India	S. Radhakrishnan	Nature of Religious Experience	FEBRUARY 2023	2
COURSE CODE - 13 Philosophy in the Twentieth Century: India	S. Radhakrishnan	Nature of Intuitive Apprehension	FEBRUARY 2023	2
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Md. Iqbal	Nature of the Self,	FEBRUARY 2023	1
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Md. Iqbal	Nature of the World and	MARCH 2023	1
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Md. Iqbal	Nature of God	MARCH 2023	1
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	G.E. Moore A Defence of Common Sense	Common Sense Philosophy	MARCH 2023	2
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	G.E. Moore	Opposition against Idealism	MARCH 2023	2
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	G.E. Moore	Three Stages in Moors argument	APRIL 2023	1

COURSE CODE - 14 Philosophy in the Twentieth Century: Western	G.E. Moore	Objection against Hegelian Idealism,	APRIL 2023	2
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Subject matter of Tractatus	APRIL 2023	1
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Subject matter of Tractatus	APRIL 2022	1
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Philosophical investigation	MAY 2022	1
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Augustinian picture theory inspires Wittgenstein to formulate the philosophical investigations	MAY 2022	2
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Picture theory of meaning	MAY 2022	1
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Picture theory of meaning	JUNE 2023	1
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Family resemblance	JUNE 2023	1
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	L. Wittgenstein: Theory of Meaning	Language game	JUNE 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHILOSOPHY				
NAME OF THE TEACHER: MALAY DAS				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASSES: 09.02.2023	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE- 2 Outlines of Western Philosophy—I	Philosophy of Plato	INTRODUCTION (Life and Writings)		1
COURSE CODE- 2 Outlines of Indian Western Philosophy—I	Philosophy of Plato	Theory of Knowledge, Theory of Ideas		7
COURSE CODE- 2 Outlines of Western Philosophy—I	Philosophy of Plato	Concept of Self & Morality		2
COURSE CODE- 2 Outlines of Western Philosophy—I	Philosophy of Aristotle	Introduction, Aristotle’s Problem, Metaphysics		4
COURSE CODE- 2 Outlines of Western Philosophy—I	Philosophy of Aristotle	Substance, Causality, Concept of God		4
COURSE CODE- 2 Outlines of Western Philosophy—I	Philosophy of Descartes	INTRODUCTION		1
COURSE CODE- 1 Outlines of Western Philosophy—I	Philosophy of Descartes	Characteristics of Modern Western Philosophy		1
COURSE CODE- 1 Outlines of Western Philosophy—I	Philosophy of Descartes	The Problem of Descartes, Descartes’ Method, First Principle		5

COURSE CODE- 1 Outlines of Western Philosophy—I	Philosophy of Descartes	Second Principle, Third Principle		4
COURSE CODE- 1 Outlines of Western Philosophy—I	Philosophy of Descartes	Innate Ideas, Criterion of Truth Substances, Mind-Body relation		5
COURSE CODE- 1 Outlines of Western Philosophy—I	Philosophy of Plato, Aristotle and Descartes	Revision		4
GENERAL ELECTIVE-1 Indian Philosophy	Jainism	Introduction		1
GENERAL ELECTIVE-1 Indian Philosophy	Jainism	Jaina Epistemology		2
GENERAL ELECTIVE-1 Indian Philosophy	Jainism	Jaina Theory of Reality		1
GENERAL ELECTIVE-1 Indian Philosophy	Jainism	Syadvada & Saptabhanginaya		3
GENERAL ELECTIVE-1 Indian Philosophy	Jainism	Jaina metaphysics, Concept of Soul and Liberation		4
GENERAL ELECTIVE-1 Indian Philosophy	Buddhist Philosophy	Introduction & The Four Noble Truth		1
GENERAL ELECTIVE-1 Indian Philosophy	Buddhist Philosophy	Main Tenets of Buddhism		4
GENERAL ELECTIVE-1 Indian Philosophy	Buddhist Philosophy	Different School of Buddhism		3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE- 6 Western Ethics	Practical / Applied Ethics	Introduction		1
COURSE CODE- 6 Western Ethics	Practical / Applied Ethics	Euthanasia		2
COURSE CODE- 6 Western Ethics	Practical / Applied Ethics	Suicide		2
COURSE CODE- 6 Western Ethics	Practical / Applied Ethics	Affluence and Morality		2
COURSE CODE- 6 Western Ethics	Practical / Applied Ethics	Gender Equality and Feminism		3
COURSE CODE- 6 Western Ethics	Revision	Nature of the Postulates of Morality, Freedom of will: Determinism vs Indeterminism		2
GENERAL ELECTIVE - 3 Logic	Induction	Difference between Deduction and Induction		2

GENERAL ELECTIVE - 3 Logic	Induction	Conditions and Causes		2
GENERAL ELECTIVE - 3 Logic	Induction	Scientific Hypothesis		3
GENERAL ELECTIVE - 3 Logic	Induction	Revision		1
Skill Enhancement Course (SEC) -1	Philosophy in Practice	Nature of Inquiry in Philosophy and Darshana		1
Skill Enhancement Course (SEC) -1	Philosophy in Practice	Epistemological Inquiry of Philosophy and Darshana		1
SEC- 1 Philosophy in Practice	Philosophy in Practice	Epistemological Inquiry of Philosophy and Darshana		1
SEC- 1 Philosophy in Practice	Philosophy in Practice	Metaphysical Inquiry of Philosophy and Darshana		1
SEC- 1 Philosophy in Practice	Philosophy in Practice	Metaphysical Inquiry of Philosophy and Darshana		1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE- 12 Western Logic-II	Induction	Introduction		1
COURSE CODE- 12 Western Logic-II	Induction	Difference between Deduction and Induction		1
COURSE CODE- 12 Western Logic-II	Induction	Different Inductive Arguments		5
COURSE CODE- 12 Western Logic-II	Induction	Different Causes		1
COURSE CODE- 12 Western Logic-II	Induction	Mills’ Method of finding Causal Relations		8
COURSE CODE- 12 Western Logic-II	Induction	Science and Hypothesis		5
COURSE CODE- 11 Socio- Political Philosophy	Induction	Introduction of Probability		1
COURSE CODE -12 Analytic Philosophy	Induction	A-Priori Probability Practicing solution of probability-problems		8
COURSE CODE -12 Analytic Philosophy	Induction	A-Priori Probability Practicing solution of probability-problems		2
COURSE CODE -12 Analytic Philosophy	Induction	A-posteriori probability Practicing solution of probability-problems		2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Locke	Introduction		1
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Locke	Locke’s Theory of Knowledge		7
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Locke	Locke’s Theory of Substance		5
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Locke	Locke’s Representative Realism		3
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Barkely	Rejection of Lockean Notion of Substance, Refutation of Abstract Ideas, Rejection of the Distinction between Primary and Secondary Qualities		5
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Hume	Impression and Ideas, Laws of Association,		3
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Hume	Relation of Idas and Matters of Fact		1

COURSE CODE -3 Outlines of Western Philosophy—II	Yoga	Notion of Causality		3
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Hume	Problem of Personal identity		3
COURSE CODE -4 Outlines of Western Philosophy—II	Philosophy of Hume	Sceptism		3
COURSE CODE -4 Outlines of Western Philosophy—II	Locke, Barkeley, Hume	Revision		3
GENERAL ELECTIVE- 2 Western Philosophy	Realism	Introduction		1
GENERAL ELECTIVE- 2 Western Philosophy	Realism	Naïve Realism		2
GENERAL ELECTIVE- 2 Western Philosophy	Realism	Scientific Realism		2
GENERAL ELECTIVE- 2 Western Philosophy	Realism	Representative realism		2

DATE OF COMMENCEMENT CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE - 10 Philosophy of Religion	Religion	Introduction		1
COURSE CODE - 10 Philosophy of Religion	Nature and Scope of Philosophy of Religion	Religion , Dharma, Dhamma		4
COURSE CODE - 10 Philosophy of Religion	Fundamental Features of Major Religions	Hinduism		3
COURSE CODE - 10 Philosophy of Religion	Fundamental Features of Major Religions	Christianity		3
COURSE CODE - 10 Philosophy of Religion	Fundamental Features of Major Religions	Islam		3
COURSE CODE - 10 Philosophy of Religion	Fundamental Features of Major Religions	Buddhism		3
COURSE CODE - 10 Philosophy of Religion	The Problem of Evil	Indian traditional views		4

COURSE CODE - 10 Philosophy of Religion	The Problem of Evil	Indian contemporary views		2
COURSE CODE - 10 Philosophy of Religion	The Problem of Evil	Classical Western Views		3
COURSE CODE - 10 Philosophy of Religion	The Problem of Evil	Medieval Western Views,		2
COURSE CODE - 10 Philosophy of Religion	The Problem of Evil	Modern and Contemporary Western Views		2
GENERAL ELECTIVE- 4 Contemporary Indian Philosophy	Philosophy of Vivekananda	Practical Vedanta, Universal Religion		3
GENERAL ELECTIVE- 4 Contemporary Indian Philosophy	Philosophy of Sri Aurobindo	Nature of Reality, Human Evolution, Integral Yoga		4
SKILL ENHANCEMENT COURSE- 2 Philosophy of Human Rights	The Idea of Natural Law and Natural Right	Essence of Human Rights		2
SKILL ENHANCEMENT COURSE- 2 Philosophy of Human Rights	Human Rights	Development of Human Right		2
SKILL ENHANCEMENT COURSE- 2 Philosophy of Human Rights	Human Rights	Fundamental Rights and Duties according to Indian Constitution		3

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Philosophy of Swami Vivekananda	Practical Vedanta		3
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Philosophy of Swami Vivekananda	Universal Religion		2
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Philosophy of Swami Vivekananda	Yoga		3
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Philosophy of Sri Aurobindo	Nature of Reality		3
COURSE CODE - 13 Philosophy in the Twentieth Century: India	Philosophy of Sri Aurobindo	Human Evolution		1
COURSE CODE – 13 Philosophy in the Twentieth Century: Western	Philosophy of Sri Aurobindo	Human Evolution		1
COURSE CODE - 13 Philosophy in the Twentieth Century: Western	Philosophy of Sri Aurobindo	Integral Yoga		2
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	A.J.Ayer	Verifiability Theory of Meaning		3

COURSE CODE - 14 Philosophy in the Twentieth Century: Western	A.J.Ayer	Verifiability Theory of Meaning		2
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	B.Russell	Knowledge by acquaintance		3
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	B.Russell	Knowledge by Description		3
COURSE CODE - 14 Philosophy in the Twentieth Century: Western	A.J.Ayer & B.Russell	Revision		2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: Philosophy				
NAME OF THE TEACHER: Esha Chatterjee				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1, Outlines of Indian Philosophy-I	Detailed Introduction	a) General Features of Indian Philosophy	August,2022	2
		b) Spirit of Indian Philosophy	September,2022 2	1
CC-1, Outlines of Indian Philosophy-I	Detailed Introduction	Basic Concepts of the Vedic and Upanisadic World-Views	September,2022 2	1
CC-1, Outlines of Indian Philosophy-I	Carvaka	Perception as the only source of knowledge	December,2022 2	3
CC-1, Outlines of Indian Philosophy-I	Carvaka	Jadavada and dehatmavada	February,2023	2

CC2, Outlines of Western Philosophy-II	The pre-Socratic Period	Ionian School	August ,2022	3
CC2, Outlines of Western Philosophy-II	The pre-Socratic Period	Parmenides	September,2023	1
CC2, Outlines of Western Philosophy-II	The pre-Socratic Period	Heraclitus	December,2022	1
CC2, Outlines of Western Philosophy-II	The pre-Socratic Period	Zeno(paradoxes)	January,2023	2
GE-1, Indian Philosophy	General Features of Indian Philosophy	General Features of Indian Philosophy	August,2022	2
GE-1, Indian Philosophy	Carvaka	a) Pratyaksha (perception as the only source of	September,2023	1

		Knowledge) b) Refutation of anumana (Inference) and Sabda (Testimony) as Sources of Knowledge		2
GE-1, Indian Philosophy	Carvaka	Jadavada and dehatmavada	January,2023	1
CC-1A Indian philosophy	Mimamsa	a)arthapatti b)anupalabdhi	September	CC-1A Indian philosophy
CC-1A Indian philosophy	Advaita Vedanta	a)Brahman,jiva and jagat	November and December	CC-1A Indian philosophy
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Cc5, Indian Ethics	Purusartha	Carvaka views	July,2022	1

Cc5, Indian Ethics	Purusartha	Astika views	August,2022	3
Cc5, Indian Ethics	Purusartha	Astika views	August,2022	3
Cc5, Indian Ethics	Purusartha	Astika views	August,2022	3
Cc5, Indian Ethics	Vedic Concepts	rta	September,2022	3
Cc5, Indian Ethics	Vedic Concepts	Satya, yajna, rna	September,2022	3
Cc5, Indian Ethics	Ethics in Srimadbhagavadgita	Niskamakarma	November,2022	3
Cc5, Indian Ethics	Ethics in Srimadbhagavadgita	Sthit Prajna	December,2022	3
Cc5, Indian Ethics	Ethics in Srimadbhagavadgita	sthitaprajna	December,2022	3
GE 3, Logic	Basics Concept of Logic	Nature and scope of Logic	July,2022	4
GE 3, Logic	Basics Concept of Logic	Sentence, Proposition and Statement	August,2022	4

GE 3, Logic	Basics Concept of Logic	Inference	September,2022	4
GE 3, Logic	Basics Concept of Logic	Argument	December,2022	4
SEC1Philosophy in practice	A few Model World-views and corresponding path leading to perfection	Samkhya view	August,2022	3
SEC1, Philosophy in practice	A few Model World-views and corresponding path leading to perfection	Advaita Vedanta View	December,2022	3

DATE OF COMMENCEMENT OF CLASSES:
25.07.2022

DATE OF DISSOLUTION OF CLASSES:
29.11.2022

ACADEMIC SESSION:
2022-2023

COURSE TYPE:
HONOURS/ GENERAL/ GENERIC

SEMESTER-V

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC11, Socio-Political Philosophy	Nature and scope of Social Philosophy and Political Philosophy	Introduction	July	1
CC11, Socio-Political Philosophy	Nature and scope of Social Philosophy and Political Philosophy	Nature and scope of Social Philosophy and Political Philosophy	August	2
CC11, Socio-Political Philosophy	Nature and scope of Social Philosophy and Political Philosophy	Relation between social and political philosophy	August	1

CC11, Socio-Political Philosophy	Basic concepts	a) Society b) Social Group c)community	August	a)2 b)2 c)2
CC11, Socio-Political Philosophy	Basic concepts	a) Association b) Institutions c)Customs	August	a)2 b)1 c)1
CC11, Socio-Political Philosophy	Basic concepts	Folkways and Mores	August	1
CC11, Socio-Political Philosophy	Basic Concepts	Problem Discussion	September	1
Cc11 Socio-political Philosophy	Social class and caste	Class Attitude and class consciousness	September	1
Cc11 Socio-political Philosophy	Social class and caste	Marxian Theory of class	September	1
Cc11 Socio-political Philosophy	Social class and caste	Marxian Theory of class	September	1
Cc11 Socio-political Philosophy	Social class and caste	Marxian Theory of class	September	1
Cc11 Socio-political Philosophy	Social class and caste	B.R. Ambedkar's Criticism of Caste system	September	1
Cc11 Socio-political Philosophy	Social class and caste	B.R. Ambedkar's Criticism of Caste system	November	1
CC11, Socio-Political Philosophy	Social class and caste	Dalit Movement	November	1

Cc11 Socio-political Philosophy	Social class and caste	Problem Discussion	November	1
CC11, Socio-Political Philosophy	Social class and caste	Question Answer	November	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 5.8.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Cc3, Outlines of Indian Philosophy	Advaita Vedanta	vivartavada	March	1
Cc3, Outlines of Indian Philosophy	Advaita Vedanta	Maya	March	2
Cc3, Outlines of Indian Philosophy	Advaita Vedanta	Brahman	April	2

Cc3, Outlines of Indian Philosophy	Advaita Vedanta	Jiva and Jagat	April	1
Cc3, Outlines of Indian Philosophy	Visistadvaita Vedanta	Distinction between Advaitavada and visistadvaitavada	May	1
Cc3, Outlines of Indian Philosophy	Visistadvaita Vedanta	Nature of Isvara, Jiva and Jagat	May	2
Cc3, Outlines of Indian Philosophy	Visistadvaita Vedanta	Criticism of Samkara's Doctrine of maya	June	2
Cc3, Outlines of Indian Philosophy	Visistadvaita Vedanta	Questions Answer	July	1
GE2, Western Philosophy	Metaphysics	Introduction	March	1
GE2, Western Philosophy	Metaphysics	Nature of metaphysics	April	2
GE2, Western Philosophy	Metaphysics	Elimination of metaphysics	May	2
GE2, Western Philosophy	Metaphysics	Question Answer	June	1
CC 1B, Western Philosophy	Realism	. a) Naïve Realism b) Scientific Realism C)Representative Realism	a) March b) April c)May	a)2 b)3 c)2
CC 1B, Western Philosophy	Idealism	a) Subjective Idealism b) Objective Idealism	a) June b) July	a)3 b)3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 5.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 10, Philosophy of Religion	Origin and Development of Religion	Anthropological Theories	March	2
CC 10, Philosophy of Religion	Origin and Development of Religion	Freudian Theories	March	2
CC 10, Philosophy of Religion	Fundamental features of Major Religions: Basic Tenets, Bondage and Liberation	Hinduism.,	April	6
CC 10, Philosophy of Religion	Fundamental features of Major Religion: Basic Tenets, Bondage and Liberation	Christianity	April	2
CC 10, Philosophy of Religion	Fundamental features of Major Religions: Basic Tenets, Bondage and Liberation	Islam	May	2

CC 10, Philosophy of Religion	Fundamental features of Major Religions: Basic Tenets, Bondage and Liberation	Buddhism	June	3
CC 10, Philosophy of Religion	Arguments for the Existence of God, Indian	a) Yoga Arguments b) Nyaya Arguments	June	a)1 b)2
CC 10, Philosophy of Religion	Arguments for the Existence of God, Western	a) Cosmological Arguments b) Teleological Arguments c) Ontological Arguments	July	a)1 b)1 c)1
CC 10, Philosophy of Religion	Arguments against the Existence of God	a) Sociological Arguments b) Freudian Theories c) Buddhist Arguments	July	a)1 b)1 c)1
SEC2, Philosophy of Human Rights	Preamble, Fundamental Rights and Duties (Indian Constitution) Recommended	Introduction	March	1
SEC2, Philosophy of Human Rights	Preamble, Fundamental Rights and Duties (Indian Constitution) Recommended	Preamble	April	1
SEC2, Philosophy of Human Rights	Preamble, Fundamental Rights and Duties (Indian Constitution) Recommended	Fundamental Rights	May	2
SEC2, Philosophy of Human Rights	Preamble, Fundamental Rights and Duties (Indian Constitution) Recommended	Duties	June	1
GE4, Contemporary Indian Philosophy	Md.Iqbal	Nature of the Self	March	3
GE4, Contemporary Indian Philosophy	Md.Iqbal	Nature of the World	March	2

GE4, Contemporary Indian Philosophy	Md.Iqbal	Nature of God	April	3
GE4, Contemporary Indian Philosophy	Mahatma Gandhi	God and truth	April	3
GE4, Contemporary Indian Philosophy	Mahatma Gandhi	Ahimsa	May	3

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC13, Philosophy in the Twentieth Century: Indian	Rabindranath Tagore	Nature of man: The finite aspect	February	1
CC13, Philosophy in the Twentieth Century: Indian	Rabindranath Tagore	Nature of man: The infinite aspect	February	1
CC13, Philosophy in the Twentieth Century: Indian	Rabindranath Tagore	Nature of Religion	February	1
CC13, Philosophy in the Twentieth Century: Indian	Rabindranath Tagore	Surplus in man	February	1
CC13, Philosophy in the Twentieth Century: Indian	Rabindranath Tagore	Question Answer	March	1
CC13, Philosophy in the Twentieth Century: Indian	Md.Iqbal	Introduction	March	1
CC13, Philosophy in the Twentieth Century: Indian	Md.Iqbal	Nature of the self	March	1
CC13, Philosophy in the Twentieth Century: Indian	Md.Iqbal	Nature of the World	April	1
CC13, Philosophy in the Twentieth Century: Indian	Md.Iqbal	Nature of God	April	1

CC13, Philosophy in the Twentieth Century: Indian	Mahatma Gandhi	Introduction	April	1
CC13, Philosophy in the Twentieth Century: Indian	Mahatma Gandhi	God	May	1
CC13, Philosophy in the Twentieth Century: Indian	Mahatma Gandhi	Truth	May	1
CC13, Philosophy in the Twentieth Century: Indian	Mahatma Gandhi	Ahimsa	May	1
CC13, Philosophy in the Twentieth Century: Indian	Mahatma Gandhi	Problem Discussions	May	1
CC13, Philosophy in the Twentieth Century: Indian	Mahatma Gandhi	Question Paper	May	1
CC13, Philosophy in the Twentieth Century: Indian	All the three topics	Problem Discussions	June	1
CC13, Philosophy in the Twentieth Century: Indian	All the three topics	Question Answer	June	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHILOSOPHY				
NAME OF THE TEACHER: DIPa GOSWAMI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-2 Outlines of Western Philosophy—I	1. Spinoza: The Doctrine of Substance.	(a) Attributes and Modes		06
	1. Spinoza: The Doctrine of Substance.	(b) Parallelism		02
	1. Spinoza: The Doctrine of Substance.	(c) Degrees of Knowledge		04
	1. Spinoza: The Doctrine of Substance.	(d) Determinism and Freedom		05

	2. Leibniz	(a) Monadology		04
	2. Leibniz	(b) Pre-established Harmony		04
	2. Leibniz	(c) Truths of Reason and Truths of Fact		06
	2. Leibniz	(d) Theory of Knowledge.		04
GE-1 Indian Philosophy	1. Sāṃkhya	(a) satkāryavāda (Theory of Causality)		03
	1. Sāṃkhya	(b) pariṇāmavāda (Theory of Evolution)		05
	2. Yoga	(a) cittavṛttinirodha (b) aṣṭāṅgayoga		02 04

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 Indian Ethics	1.Buddhist Ethics	(a) pañcaśīla		06
	1.Buddhist Ethics	(b) brahmavihāra		05
	2. Jaina Ethics	(a) pañcavrata:		05
		(b) mahāvrata and anuvrata		03
	2. Jaina Ethics	(c) triratna		03
	(3) Yoga Ethics:	(a) Yama		04
		(b) Niyama		04
GE-3 Logic	1. Types of Argument	(a)Deductive Argument		02
		(b) Inductive Argument		02

	1. Types of Argument	(c)Opposition of Propositions		03
	2. Immediate Inference	(a)Conversion (b) Obversion and (c) Contraposition		04 03 03
	3. Mediate Inference	Categorical Syllogisms (a) Rules (b) Falacies		05 05
SEC-1 Philosophy in Practice	A few Model World-views and corresponding paths leading to Perfection	(a) Plato's view		07
	A few Model World-views and corresponding paths leading to Perfection	(b) Kant's view		08
CC-8 Western Logic-I	Propositional Logic	(a) Truth-Functional Statements		10
	Propositional Logic	(b) Testing Argument validity using Truth Tables: The complete Truth Table Method		10
	Propositional Logic	(c) The Three " Laws of Thought": Principles of Logic		02
	Propositional Logic	(d) Formal Proof of Validity using the Nineteen rules of Inference (e) Conditional Proof		15
	Predicate Logic (Quantification Theory)	(a) Singular Proposition (b) Universal & Existential Quantifiers,		02

		(c) Proving Validity & Invalidity		08
CC-9 Psychology	Perception:	(a) Colour and Depth (b) Pattern Recognition (c) Perceptual Organization		05
	Attention	Nature, Conditions, Span and Division of Attention		05
	Memory	Factors of Memory, Marks of Good Memory, Laws of Association, Causes of Forgetfulness		05
GE-4 Contemporary Indian Philosophy	Rabindranath Tagore	(a)Nature of Man: The Finite Aspect of Man, the Infinite Aspect of Man, (b)Nature of Religion and (c) Surplus in Man (d) Problem of Evil		16+
SEC-2 Philosophy of Human Rights	The Idea of Natural Law and Natural Rights:	(a) Thomas Hobbes and (b) John Locke		05 06
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

DSE-2 Special Text: B. Russell: The Problems of Philosophy	B. Russell: The Problems of Philosophy	Chapter-1: Appearance & Reality		06
		Chapter-2:		06
		Chapter-3:		07
		Chapter-4: Idealism		07
		Chapter-5: Knowledge by Acquittance & Knowledge by Description		07
		Chapter-6: Induction		07
SEMESTER-VI CC-14 Philosophy in the Twentieth Century: Western	M. Heidegger	(a)Being in the World : Existenz		04
	M. Heidegger	(b) Facticity and Fallenness		02
	M. Heidegger	(c)Authenticity and In authenticity		02
	J.P. Sartre	(a) Nothingness (b) Freedom		05 05
DSE-3	Special Text: Rabindranath Tagore: Sadhana	(a)Lecture-1:		06

	Special Text: Rabindranath Tagore: Sadhana	(b) Lecture-2:		07
	Special Text: Rabindranath Tagore: Sadhana	(c) Lecture-3: Problem of Evil		07
	Special Text: Rabindranath Tagore: Sadhana	(d) Lecture-4: Problem of Personality		08
	Special Text: Rabindranath Tagore: Sadhana	(e) Lecture-5: The Nature of Love		07

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED
SESSION: 2022-2023	COURSE TYPE: HONOURS/ GENERAL/ GENERIC
SEMESTER: II	

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED
ACADEMIC SESSION: 2022-2023	COURSE TYPE: HONOURS/ GENERAL/ GENERIC
SEMESTER: IV	

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[illegible]

[illegible]

[illegible]

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT:				
NAME OF THE TEACHER: DIPA GOSWAMI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 1B Western Philosophy	Substance:	(a) Views of Descartes, (b) Spinoza (c)Locke and Berkeley		06
	Relation between Mind and Body:	(a)Interactionism and		05
		(b)Parallelism		05
	Theories of Evolution	(a) Mechanistic and (b) Emergent		06 05 27

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHILOSOPHY				
NAME OF THE TEACHER: ATASI SARBAGNA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1A Indian Philosophy	1. Introduction:	General Features of Indian Philosophy	AUGUST	2
CC-1A Indian Philosophy	2.Cārvāka:	(a)pratyakṣa(perceptio n)asthe only Source of Knowledge (b) Refutation of anumāna (inference) and śabda (testimony) as Sources of Knowledge and (c) jaḍavāda and dehātmavāda	AUGUST- SEPTEMBER	5
CC-1A Indian Philosophy	3. Jainism:	(a)anekāntavāda and (b)syādvāda and nayavāda.	SEPTERBER- OCTOBER	4

CC-1A Indian Philosophy	4. Buddhism:	(a) Four Noble Truths (b) pratītyasamutpāda, (c) kṣaṇabhaṅgavāda and (d) nairātmyavāda	NOVEMBER- DECEMBER	5
CC-1A Indian Philosophy	5. Nyāya–Vaiśeṣika:	(a) pramāṇa: pratyakṣa (perception), anumāna (inference), upamāna (comparison) and śabda (testimony) and (b) saptapadārtha (Seven Categories)	JANUARY – FEBRUARY	8

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 1C Logic	1. Basic Concept of Logic:	(a) Nature and Scope of Logic, (b)Sentence, Proposition and Statement and (c) Inference and Argument	JULY- AUGUST	8
CC- 1C Logic	2. Types of Argument:	Deductive Argument and Inductive Argument	AUGUST	8
CC- 1C Logic	3. Opposition of Propositions	Opposition of Propositions	AUGUST	4
CC- 1C Logic	4. Immediate Inference:	Conversion, Obversion and Contraposition	SEPTEMBER	5
CC- 1C Logic	5. Categorical Syllogisms:	Rules and Fallacies, Venn Diagram	SEPTEMBER - OCTOBER	10

CC- 1C Logic	6. Truth-functional Arguments	Truth-functional Arguments	NOVEMBER -DECEMBER	7
CC- 1C Logic	7. Science and Hypothesis	Science and Hypothesis	DECEMBER	5
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL (SEC-1)		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC- 1 Philosophy in Practice	1. Common and Differentiating Characteristics of Philosophy and darśana	Common and Differentiating Characteristics of Philosophy and darśana	JULY- AUGUST	3
SEC- 1 Philosophy in Practice	2. Nature of Inquiry in Philosophy and darśana	Nature of Inquiry in Philosophy and darśana	AUGUST	3
SEC- 1 Philosophy in Practice	3. Outlines of the Types of Inquiry in Philosophy and darśana:	(a)Epistemic Inquiry in Philosophy and darśana and (b) Metaphysical Inquiry in Philosophy and darśana	SEPTEMBER	4

SEC- 1 Philosophy in Practice	4. A few Model World-views and Corresponding Paths Leading to Perfection:	(a) Plato’s view, (b) Kant’s view,(c) Sāṃkhya view and (d) Advaita Vedānta View	OCTOBER- NOVEMBER	5
SEC- 1 Philosophy in Practice	5. Methods of Philosophical DisCourse(kathā):	(a) vāda, (b) jalpa, (c) vitaṇḍā, (d) chhala, (e) jātiand (f) nigrasthāna	DECEMBER	4
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER-V (DSE-1A)				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE- 1A Philosophy of Religion	1. Nature and Scope of Philosophy of Religion:	(a) Religion, Dharma, Dhamma,(b) Philosophy of Religion, Comparative Religion and Theology	JULY	10
DSE- 1A Philosophy of Religion	2. Anthropological and Freudien Theories concerning the Origin and Development of Religion	(a) Tribal Religion,(b) National Religion (c) Universal Religion	JULY- AUGUST	6
DSE- 1A Philosophy of Religion	3. Fundamental Features of Major Religions:	Hinduism, Christianity, Islam: Basic Tenets, Bondage and Liberation	AUGUST- SEPTEMBER	12
DSE- 1A Philosophy of Religion	4. Arguments for the Existence of God: (Indian and Western):	Yoga Arguments, Cosmological Arguments, Teleological Arguments, Ontological Arguments	SEPTEMBER- OCTOBER	10
DSE- 1A Philosophy of Religion	5. Arguments against the Existence of God:	Sociological Arguments, Freudian Arguments	NOVEMBER	5

DSE- 1A Philosophy of Religion	6. Monotheism, Polytheism, Henotheism	Monotheism, Polytheism, Henotheism	DECEMBER	5
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER-V (GE - I)				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
GE- 1 Indian Philosophy	1. Introduction: General Features of Indian Philosophy	1. Introduction: General Features of Indian Philosophy	JULY	3
GE- 1 Indian Philosophy	2.Cārvāka:	(a) pratyakṣa(perception)asthe only Source of Knowledge (b) Refutation of anumāna (inference) and śabda (testimony) as Sources of Knowledge and (c) jaḍavāda and dehātmavāda	AUGUST	7
GE- 1 Indian Philosophy	3. Jainism:	(a)Anekāntavāda and(b)syādvāda and nayavāda.	AUGUST	4
GE- 1 Indian Philosophy	4.Buddhism:	(a) Four Noble Truths (b) pratītyasamutpāda, (c) kṣaṇabhaṅgavāda and (d) nairātmyavāda	SEPTEMBER	6

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 1B Western Philosophy	1. Metaphysics:	Nature of Metaphysics Elimination of Metaphysics	MARCH	10
CC- 1B Western Philosophy	2. Critical Theory of Kant	Kant’s theory of knowledge ,Categorical Imperative	APRIL	6
CC- 1B Western Philosophy	3. Theories of Causation:	Regularity Theory and Entailment Theory	APRIL	6
CC- 1B Western Philosophy	4. Substance:	Views of Descartes, Spinoza, Locke and Berkeley	JUNE	10
CC- 1B Western Philosophy	5. Relation between Mind and Body:	Interactionism and Parallelism	JULY	4
CC- 1B Western Philosophy	6. Theories of Evolution:	Mechanistic and Emergent	JULY-AUGUST	6

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 1D Contemporary Indian Philosophy	1. Rabindranath Tagore:	(a) Nature of Man: The Finite Aspect of Man, the Infinite Aspect of Man, (b)Nature of Religion and (c) Surplus in man	MARCH	11
CC- 1D Contemporary Indian Philosophy	2. Swami Vivekananda:	(a) Practical Vedānta and (b)Universal Religion	MARCH-APRIL	10
CC- 1D Contemporary Indian Philosophy	3. Sri Aurobindo:	(a) Nature of Reality, (b) Human Evolution—its different stages, (c)Integral Yoga	APRIL-MAY	10
CC- 1D Contemporary Indian Philosophy	4. S.Radhakrishnan:	(a)Nature of Man, (b)Nature of Religious Experience	JUNE	8
CC- 1D Contemporary Indian Philosophy	5. Md. Iqbal:	(a) Nature of the Self,(b) Nature of the World (c) Nature of God	JUNE-JULY	8
CC- 1D Contemporary Indian Philosophy	6. Mahatma Gandhi:	(a) God and Truth and (b)Ahimsa	JULY-AUGUST	9

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: IV (SEC)				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC- 2 Philosophy of Human Rights	1. Definition and Nature of Human Rights	Definition and Nature of Human Rights	MARCH	3
SEC- 2 Philosophy of Human Rights	2. The Idea of Human Rights:	Its Origins and Historical Developments during Ancient period, Modern period and Contemporary period	APRIL	4
SEC- 2 Philosophy of Human Rights	3. The Idea of Natural Law and Natural Rights:	Thomas Hobbes and John Locke	APRIL-MAY	3
SEC- 2 Philosophy of Human Rights	4. Natural Right, Fundamental Right and Human Right	Natural Right, Fundamental Right and Human Right	JUNE	3
SEC- 2 Philosophy of Human Rights	5. Preamble, Fundamental Rights and Duties (Indian Constitution)	Preamble, Fundamental Rights and Duties (Indian Constitution)	JULY-AUGUST	4

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
GE- 2 Western Philosophy	1. Metaphysics	Nature of Metaphysics, Elimination of Metaphysics	FEBRUARY	10
GE- 2 Western Philosophy	2. Realism:	Naïve Realism, Scientific Realism, Representative Realism	FEBRURY- MARCH	8
GE- 2 Western Philosophy	3. Idealism:	Subjective Idealism, Objective Idealism	MARCH	8
GE- 2 Western Philosophy	4. Critical Theory of Kant	Kant’s theory of knowledge ,Categorical Imperative	MARCH-APRIL	6
GE- 2 Western Philosophy	5. Theories of Causation:	Regularity Theory and Entailment Theory	APRIL-MAY	5
GE- 2 Western Philosophy	6. Substance:	Views of Descartes, Spinoza, Locke and Berkeley	MAY	9
GE- 2 Western Philosophy	7. Relation between Mind and Body:	Interactionism and Parallelism	JUNE	5
GE- 2 Western Philosophy	8. Theories of Evolution:	Mechanistic and Emergent	JUNE	5

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: VI (SEC)				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC- 4 Ethics in Practice	1. Morality and Ethics	Nature of Ethics, Define Ethics	JANUARY	2
SEC- 4 Ethics in Practice	2. Motive and Intention	Motive and Intention	JANURY	2
SEC- 4 Ethics in Practice	3. Moral Action and Moral Judgment	Voluntary and non-voluntary action , nature of moral judgment	FEBRUARY	2
SEC- 4 Ethics in Practice	4. Normative Theories:	(a)Ethical Egoism & Utilitarianism, (b)Kant’s Moral Theory	FEBRUARY	2
SEC- 4 Ethics in Practice	5. puruṣārtha	(Cārvāka andĀstika views)	MARCH	2
SEC- 4 Ethics in Practice	6. Vedic Concepts:	ṛta, yajña, ṛṇa	MARCH	1
SEC- 4 Ethics in Practice	7. Concept of ahimsā in Yoga	Eightfold Yoga , ahimsā in Yoga	APRIL	2

SEC- 4 Ethics in Practice	8. Concept of niṣkāmakarma in Śrīmadbhagavadgītā	Ethics of niṣkāmakarma in Śrīmadbhagavadgītā	APRIL-MAY	2
SEC- 4 Ethics in Practice	9. Concept of pañcaśīla in Buddhism	Buddhist Ethics, Concept of pañcaśīla	MAY-JUNE	2
SEC- 4 Ethics in Practice	10. Jaina Concepts:	pañcavrata—anuvrata and mahāvratā, and triratna	JUNE	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: EDUCATION				
NAME OF THE TEACHER: SARBARI BAKSI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-I Educational Philosophy-I	UNIT-I	Education: Meaning	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-I	Education: Nature	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-I	Education: Scope	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-I	Functions of Education	NOVEMBER, 2022	1

CC-I Educational Philosophy-I	UNIT-I	Factors of Education	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-I	Aims of Education: Individualistic	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-I	Aims of Education: Socialistic	DECEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-III	Child Centric Education: Meaning and Characteristics,	DECEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-III	Aims of modern child centric education	JANUARY, 2023	1
CC-I Educational Philosophy-I	UNIT-III	Different approaches of Child-Centric Education	JANUARY, 2023	1

CC-I Educational Philosophy-I	UNIT-III	Importance of Child-Centric Education	JANUARY, 2023	1
CC-I Educational Philosophy-I	UNIT-III	Life Centric Education: Concept	FEBRUARY, 2023	1
CC-I Educational Philosophy-I	UNIT-III	Life Centric Education: Characteristics	FEBRUARY, 2023	1
CC-I Educational Philosophy-I	UNIT-III	Life Centric Education: Importance	FEBRUARY, 2023	1

DATE OF COMMENCEMENT OF CLASSES:
25.07.2022

DATE OF DISSOLUTION OF CLASSES:
26.12.2022

ACADEMIC SESSION:
2022-2023

PROGRAM TYPE:
HONOURS/ GENERAL/ GENERIC

SEMESTER: III

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 Educational Sociology	UNIT-I	Education Sociology: Concept	JULY, 2022	1
CC-5 Educational Sociology	UNIT-I	Education Sociology: Nature	JULY, 2022	1

CC-5 Educational Sociology	UNIT-I	Education Sociology: Scope	AUGUST, 2022	1
CC-5 Educational Sociology	UNIT-I	Sociology of Education: Concept and Nature	AUGUST, 2022	1
CC-5 Educational Sociology	UNIT-I	Relation between Sociology and Education	AUGUST, 2022	1
CC-5 Educational Sociology	UNIT-II	Education as a social sub- system	AUGUST, 2022	1
CC-5 Educational Sociology	UNIT-II	Education as a social sub- system: characteristic	AUGUST, 2022	1
CC-5 Educational Sociology	UNIT-II	The Components of Education and community	AUGUST, 2022	1
CC-5 Educational Sociology	UNIT-II	Relation between Education and Community	SEPTEMBER ,2022	1
CC-5 Educational Sociology	UNIT-II	Education for Indian Society	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Bramanic period with special reference to Concepts, Aims	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Bramanic period with special reference to Curriculum salient features.	SEPTEMBER ,2022	1

CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Bramanic period with special reference to Method of teaching, Role of Teachers salient features.	NOVEMBER, 2022	1
SEC-1 Value Education/ Computer Application in Education -I	UNIT-I	Value Education: Meaning and Concept,	NOVEMBER, 2022	1
SEC-1 Value Education/ Computer Application in Education -I	UNIT-I	Needs of Value Education,	DECEMBER, 2022	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Educational Guidance and Counselling	UNIT-I	Educational Guidance: Meaning, Definition	JULY, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-I	Educational Guidance: Concept, Scope	JULY, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-I	Needs and Importance of Guidance	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-I	Essentials of good Guidance programme	AUGUST, 2022	1

CC-11 Educational Guidance and Counselling	UNIT-II	Different forms of Guidance: Educational, Vocational and Personal,	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-II	Organization of Guidance service at different levels of education	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-II	Basic data necessary for guidance: data about pupils, courses, vocations	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-II	Tools and techniques of Guidance	AUGUST, 2022	1
CC12 Educational Technology	UNIT-I	Educational Technology: concept and meaning	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-I	Educational Technology: nature, scope	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-I	Educational Technology: needs and limitations	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-I	Components of Educational Technology-Hardware	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-I	Components of Educational Technology-Software	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-III	Functions of Educational Organizations: UGC	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-III	Functions of Educational Organizations: NAAC,	SEPTEMBER,20 22	1

DSE-I Current Issues in Indian Education	UNIT-III	Functions of NCERT	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-III	Functions of NUEPA	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-III	Functions of NCTE	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-III	Functions of DIET	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-III	Functions of SCERT	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Agencies of Teacher Education – NCTE	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Agencies of Teacher Education – NCERT	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Agencies of Teacher Education – SCERT	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Agencies of Teacher Education – DIET:	NOVEMBER,20 22	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Educational Philosophy- II	UNIT-I	Concept Western Schools of Philosophy	MARCH,2023	1
CC-3 Educational Philosophy- II	UNIT-I	Concept of Idealism	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-I	Educational Implication of Idealism and It’s contribution to present day education	MARCH,2023	1
CC-3 Educational Philosophy- II	UNIT-I	Concept of Naturalism	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-I	Educational Implication of Naturalism and It’s contribution to present day education	MARCH,2023	1
CC-3 Educational Philosophy- II	UNIT-I	Concept of Realism	APRIL, 2023	2

CC-3 Educational Philosophy- II	UNIT-I	Educational Implication of Realism and It's contribution to present day education	APRIL, 2023	1
CC-3 Educational Philosophy- II	UNIT-I	Concept of Pragmatism	APRIL, 2023	2
CC-3 Educational Philosophy- II	UNIT-I	Educational Implication of Pragmatism and It's contribution to present day education	APRIL, 2023	1
CC-3 Educational Philosophy- II	UNIT-II	Contribution of Great Educators to Education- Montessori	MAY,2023	3
CC-3 Educational Philosophy- II	UNIT-IV	Education for Leisure	JUNE,2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 Educational Sociology-II	UNIT-I	Socialization: Meaning	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-I	Socialization: process	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-I	Factors of socialization	MARCH,2023	2
CC-8 Educational Sociology-II	UNIT-I	Role of the Parents in the process of socialization	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-I	Role of the Teachers in the process of socialization	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-I	Social Control: Meaning	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-I	Types of Social control	APRIL,2023	1
CC-8 Educational Sociology-II	UNIT-I	Agencies of Social Control	APRIL,2023	3
CC-8 Educational Sociology-II	UNIT-III	Cultural Change	APRIL,2023	2

CC-8 Educational Sociology-II	UNIT-III	Cultural Lag	APRIL,2023	2
CC-8 Educational Sociology-II	UNIT-III	Education as Cultural Determinants	APRIL,2023	2
CC-8 Educational Sociology-II	UNIT-III	Education for Multicultural Society	APRIL,2023	2
CC-10 Educational Management and Administration	UNIT-III	Educational Supervision: meaning	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-III	Educational Supervision: need	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-III	Educational Supervision: functions	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-III	Factors influencing supervision	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-III	Difference between inspection and supervision	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-III	Meaning and concept of leadership	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-III	Styles of leadership	MAY, 2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-III	Swami Vivekananda (1863-1902): Educational Philosophy, Aims of Education	JUNE,2023	1

SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-III	Swami Vivekananda (1863-1902): Method of Instruction, Curriculum of Education	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-III	Swami Vivekananda (1863-1902): Women Education & Concept of Teacher	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-III	Sri Aurobindo (1872-1950): Educational Philosophy, Aims of Education	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-III	Sri Aurobindo (1872-1950): Method of Instruction, Curriculum of Education, & Concept of Teacher	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-III	Sri Aurobindo (1872-1950): Concept of Teacher	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Measurement & Evaluation in Education	UNIT-I	Concept of Measurement and Evaluation	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-I	Difference between Measurement and Evaluation,	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-I	Types of Evaluation: Formative	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-I	Types of Evaluation: Summative	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-I	Norm referenced	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-I	Criterion referenced	FEBRUARY, 2023	1
CC-14 Comparative Education	UNIT-II	Study in Comparative Education: Concept	FEBRUARY, 2023	1
CC-14 Comparative Education	UNIT-II	Study in Comparative Education: Descriptive	FEBRUARY, 2023	1
CC-14 Comparative Education	UNIT-II	Study in Comparative Education: Historical	MARCH,2023	1

CC-14 Comparative Education	UNIT-II	Study in Comparative Education: Sociological	MARCH,2023	1
CC-14 Comparative Education	UNIT-II	Study in Comparative Education: Analytical	MARCH,2023	1
CC-14 Comparative Education	UNIT-II	Study in Comparative Education: Synthetic	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-I	Jean Jacques Rousseau (1712- 1778): Educational Philosophy, Aims of Education	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-I	Jean Jacques Rousseau (1712- 1778): Curriculum of Education, Method of Instruction	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-I	Jean Jacques Rousseau (1712- 1778): Negative Education	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	F.W. August Froebel (1782- 1852): Educational Philosophy, Aims of Education	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	F.W. August Froebel (1782- 1852): Curriculum of Education, Method of Instruction	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	F.W. August Froebel (1782- 1852): Kindergarten	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	John Dewey (1859-1952): Educational Philosophy, Aims of Education,	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	John Dewey (1859-1952): Curriculum of Education, Method of Instruction	APRIL, 2023	1

DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	John Dewey (1859-1952): Concept of Teacher & Project Method	MAY,2023	1
DSE-4 Special Education	UNIT-I	Education of Children with Visual Impairment with special reference to prevalence, etiology,	MAY,2023	1
DSE-4 Special Education	UNIT-I	Education of Children with Visual Impairment with special reference to identification, intervention	MAY,2023	1
DSE-4 Special Education	UNIT-I	Education of Children with Visual Impairment with special reference to education and prevention of each category	MAY,2023	1
DSE-4 Special Education	UNIT-I	Hearing Impairment (with special reference to prevalence, etiology, identification, intervention, education	MAY,2023	1
DSE-4 Special Education	UNIT-I	Hearing Impairment (with special reference to identification, intervention	MAY,2023	1
DSE-4 Special Education	UNIT-I	Hearing Impairment (with special reference to education and prevention of each category)	MAY,2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: EDUCATION				
NAME OF THE TEACHER: SHABNAM SULTANA MANDAL				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-I Educational Philosophy-I	UNIT-II	Introduction to Philosophy of Education	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Schools of Indian Philosophy-basic features	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Epistemological and Ethical aspects	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Nyaya	SEPTEMBER, 2022	1

CC-I Educational Philosophy-I	UNIT-II	Nyaya -Epistemology	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Nyaya -Ethics	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of CHARVAK	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	CHARVAK- Epistemology	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	CHARVAK -Ethics	DECEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-IV	Contributions of Great Educators to Education Rammohan Roy	DECEMBER, 2022	2

CC-I Educational Philosophy-I	UNIT-IV	Contributions of Great Educators to Education : Iswar Chandra Vidyasagar	JANUARY, 2023	2
CC-I Educational Philosophy-I	UNIT-IV	Contributions of Great Educators to Education : Swami Vivekananda	JANUARY, 2023	3
CC-I Educational Philosophy-I	UNIT-IV	Contributions of Great Educators to Education : Rabindranath Tagore	JANUARY, 2023	3
CC-I Educational Philosophy-I	UNIT-IV	Contributions of Great Educators to Education : Rabindranath Tagore	JANUARY, 2023	3
CC-2 Educational Psychology -I	UNIT-IV	Transfer of Learning: Concept, Theories and Educational Application	FEBRUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-IV	Transfer of Learning: Educational Application	FEBRUARY, 2023	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

CC-5 Educational Sociology	UNIT-III	Social Change: Concept	JULY, 2022	1
CC-5 Educational Sociology	UNIT-III	Social Change: nature	JULY, 2022	1
CC-5 Educational Sociology	UNIT-III	Factors social change in India	AUGUST, 2022	2
CC-5 Educational Sociology	UNIT-III	problems of social change in India	AUGUST, 2022	2
CC-5 Educational Sociology	UNIT-III	Education with Special Reference to Social Change	AUGUST, 2022	2
CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Medieval India: Under Sultanate Rulers, with special reference to Objectives,	AUGUST, 2022	1
CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Medieval India: Under Sultanate Rulers, with special reference to- Curriculum Method of teaching,	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Medieval India: Under Sultanate Rulers, with special reference to Role of Teachers and Salient features.	SEPTEMBER ,2022	1

CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Medieval India: Under Mughal Rulers, with special reference to Objectives,	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Medieval India: Under Mughal Rulers, with special reference to Curriculum Method of teaching,	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-II	Education in Medieval India: Under Mughal Rulers, with special reference to Role of Teachers and Salient features.	NOVEMBER, 2022	1
CC-7 Education in British India	UNIT-III	Recommendations of Indian Education Commission (1882)	NOVEMBER, 2022	2
CC-7 Education in British India	UNIT-III	Educational reforms of Lord Curzon	NOVEMBER, 2022	2
CC-7 Education in British India	UNIT-III	National Education Movement,	NOVEMBER, 2022	2
CC-7 Education in British India	UNIT-III	Gokhale's compulsory primary education bill:	NOVEMBER, 2022	1
SEC-1 Value Education	UNIT-IV	Peace Education: Meanings and Aims	DECEMBER, 2022	1

SEC-1 Value Education	UNIT-IV	Values in Peace Education	DECEMBER, 2022	1
SEC-1 Value Education	UNIT-IV	Values and Human Rights Education	DECEMBER, 2022	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Educational Guidance and Counselling	UNIT-IV	Difference between Guidance and Counselling,	JULY, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-IV	Counselling process- relationships	JULY, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-IV	Counselling process- its characteristics	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-IV	Role of parent in guidance programme	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-IV	Role of teacher in guidance programme	AUGUST, 2022	1

CC-11 Educational Guidance and Counselling	UNIT-IV	Role of counsellor in guidance programme	AUGUST, 2022	1
DSE-I Current Issues in Indian Education	UNIT-I	Constitutional provision in education	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-I	Development of Education under Five Year Plans – Pre- Primary Education, Primary Education	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-I	Development of Education under Five Year Plans – Secondary Education, Higher Education	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-I	Women Education [last two five years plans	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-II	Education for all and Sarva Siksha Mission.	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Education as a Human Right,	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Adult and Non-formal Education	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-III	Role of student teaching in Teacher Education programme	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-III	Organization of Student Teaching,	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-III	Various Patterns: Internship, Teaching Practice	NOVEMBER,20 22	2

DSE-II Teacher Education	UNIT-III	Supervision and Evaluation of Student Teaching	NOVEMBER,20 22	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Educational Philosophy- II	UNIT-II	Contribution of Great Educators to Education – Rosseau	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-II	Contribution of Great Educators to Education – Pestalozzi	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-II	Contribution of Great Educators to Education – Froebel	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-II	Contribution of Great Educators to Education – Dewey	MARCH,2023	2

CC-4 Educational Psychology- II	UNIT-I	Creativity: Meaning	MARCH,2023	1
CC-4 Educational Psychology- II	UNIT-I	Creativity: nature	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-I	Characteristics of creative person	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-I	Assessment of Personality- Concept	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-II	Assessment of Personality- Different Assessment	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-IV	Remembering: Concept	MAY,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Forgetting: Causes.	MAY,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Burner Theories of Development- Concept	MAY,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Burner Theories of Development- Educational implication	MAY,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Vygotsky's Theories of Development-Concept	JUNE,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Vygotsky's Theories of Development-Educational	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 Educational Sociology-II	UNIT-IV	Social Institution and Agencies of Education: Family and their educative role	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-IV	Social Institution and Agencies of Education: School and their educative role	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-IV	Social Institution and Agencies of Education: State and their educative role	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-IV	Social Institution and Agencies of Education: Mass media and their educative role	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-III	Universal elementary education: Concept	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-III	Free, Compulsory & Universal Education in India,	MARCH,2023	2
CC-9 Development of Education in Post Independence Period	UNIT-III	Present Position of Elementary Education	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-III	Language Policy in Education as recommend by different Commissions& Committees: Radhakrishnan Commission	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-III	Language Policy in Education as recommend by different Commissions& Committees: Mudaliar Commission	APRIL,2023	1

CC-9 Development of Education in Post Independence Period	UNIT-III	CC-9 Development of Education in Post Independence Period	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-III	CC-9 Development of Education in Post Independence Period	APRIL,2023	1
CC-10 Educational Management and Administration	UNIT-I	Educational Management: Meaning	APRIL,2023	1
CC-10 Educational Management and Administration	UNIT-I	Educational Management: nature	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-I	Educational Management: scope	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-I	Need of Educational Management in Modern Education	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	Process of Educational Management and Administration,	MAY, 2023	3
CC-10 Educational Management and Administration	UNIT-I	Role of Educational Manager	MAY, 2023	2
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Raja Rammohan Roy (1772- 1883): Philosophy of life	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Raja Rammohan Roy (1772- 1883): Activities, Ideas on Education	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Raja Rammohan Roy (1772- 1883): Women Education.	JUNE,2023	1

SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Iswar Chandra Vidyasagar (1820-1891): Educational Philosophy	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Iswar Chandra Vidyasagar (1820-1891): Aims of Education, Method of Instruction.	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Iswar Chandra Vidyasagar (1820-1891): Activities & Ideas on Women Education.	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Measurement & Evaluation in Education	UNIT-III	Characteristics of a good test	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-III	Reliability: Concept	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-III	Reliability: Methods of determination	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-III	Validity – concept	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-III	Validity –methods of determination	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-III	Validity -methods of determination	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-III	Validity methods of determination	FEBRUARY, 2023	1
CC-14 Comparative Education	UNIT-I	Comparative Education- Meaning and Concept	MARCH,2023	1
CC-14 Comparative Education	UNIT-I	Factors of Comparative Education - Geographical, Economic	MARCH,2023	1

CC-14 Comparative Education	UNIT-I	Factors of Comparative Education - Cultural, Philosophical	MARCH,2023	1
CC-14 Comparative Education	UNIT-I	Factors of Comparative Education -, Sociological, Linguistic	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-I	Johann Heinrich Pestalotzzi (1748-1827): Educational Philosophy	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-I	Johann Heinrich Pestalotzzi (1748-1827): Aims of Education, Curriculum of Education,	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-I	Johann Heinrich Pestalotzzi (1748-1827): Method of Instruction & Concept of Teacher	MARCH,2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-III	Madam Maria Montessori (1870-1952): Educational Philosophy, Aims of Education,	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-III	Madam Maria Montessori (1870-1952): Curriculum of Education, Method of Instruction	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-III	Madam Maria Montessori (1870-1952): Concept of Teacher & Child Centric Education	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	Herbert Spencer (1820-1903): Educational Philosophy, Aims of Education	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	Herbert Spencer (1820-1903): Curriculum of Education, Method of Instruction	APRIL, 2023	1
DSE-3 Educational Thoughts and Ideas of Great Western Educators	UNIT-II	Herbert Spencer (1820-1903): Method of Instruction & Concept of Teacher	MAY,2023	1

DSE-4 Special Education	UNIT-II	Education of Children with Speech and Language Disorders: with special reference to prevalence, etiology	MAY,2023	1
DSE-4 Special Education	UNIT-II	Education of Children with Speech and Language Disorders: with special reference to identification, Intervention	MAY,2023	1
DSE-4 Special Education	UNIT-II	Education of Children with Speech and Language Disorders: with special reference to education and prevention	MAY,2023	1
DSE-4 Special Education	UNIT-II	Learning Disabilities with special reference to prevalence, etiology, identification,	MAY,2023	1
DSE-4 Special Education	UNIT-II	Learning Disabilities with special reference to identification, intervention	MAY,2023	1
DSE-4 Special Education	UNIT-II	Learning Disabilities with special reference to, education and prevention	MAY,2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: EDUCATION				
NAME OF THE TEACHER: GOBINDA TARAFDAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS:09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-I Educational Philosophy-I	UNIT-II	Schools of Indian Philosophy: Concept	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Epistemological and Ethical aspects	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Buddhist Philosophy	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Buddhist - Epistemology	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Buddhist -Ethics	NOVEMBER, 2022	1

CC-I Educational Philosophy-I	UNIT-II	Educational implication of Buddhist philosophy	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Jain Philosophy	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Jain -Epistemology	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Jain -Ethics	DECEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Educational implication of Jain philosophy	DECEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-IV	Contributions of Great Educators to Education Mahatma Gandhi.	DECEMBER, 2022	2
CC-2 Educational Psychology -I	UNIT-I	Introduction to Psychology	DECEMBER, 2022	1

CC-2 Educational Psychology -I	UNIT-I	Meaning of Psychology	DECEMBER, 2022	1
CC-2 Educational Psychology -I	UNIT-I	Definition Psychology	DECEMBER, 2022	1
CC-2 Educational Psychology -I	UNIT-I	Nature of Educational Psychology,	DECEMBER, 2022	1
CC-2 Educational Psychology -I	UNIT-I	Scope of Educational Psychology	DECEMBER, 2022	1
CC-2 Educational Psychology -I	UNIT-I	Relation between Education and Psychology	DECEMBER, 2022	2
CC-2 Educational Psychology -I	UNIT-I	Methods of Educational psychology	DECEMBER, 2022	2
CC-2 Educational Psychology -I	UNIT-II	Growth and Development: Meaning	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-II	Growth and Development: Concepts,	JANUARY, 2023	1

CC-2 Educational Psychology -I	UNIT-II	Determinants of Development- Heredity	JANUARY, 2023	2
CC-2 Educational Psychology -I	UNIT-II	Determinants of Development- Environment	JANUARY, 2023	2
CC-2 Educational Psychology -I	UNIT-II	Principles of Development	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-II	Stages of Physical Development	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-II	Characteristics of different stages	JANUARY, 2023	2
CC-2 Educational Psychology -I	UNIT-II	Areas of development: Emotional	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-II	Areas of development: Intellectual	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-II	Areas of development: Social	JANUARY, 2023	1

CC-2 Educational Psychology -I	UNIT-II	Individual differences: concept	FEBRUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-II	Individual differences: Types	FEBRUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-II	Individual differences: Educational implications.	FEBRUARY, 2023	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSE1S: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6 Education in Ancient & Medieval India	UNIT-I	Education in Vedic period: Concepts	JULY, 2022	1
CC-6 Education in Ancient & Medieval India	UNIT-I	Education in Vedic period with special reference to: Aims	JULY, 2022	1
CC-6 Education in Ancient & Medieval India	UNIT-I	Education in Vedic period with special reference to: Curriculum and method of teaching	AUGUST, 2022	1
CC-6 Education in Ancient & Medieval India	UNIT-I	Education in Vedic period with special reference to: Role of Teachers	AUGUST, 2022	1

CC-6 Education in Ancient & Medieval India	UNIT-I	Educational implication of Vedic system in present context	AUGUST, 2022	2
CC-7 Education in British India	UNIT-I	Indian Education during early British Period: Concept	AUGUST, 2022	1
CC-7 Education in British India	UNIT-I	Missionary educational activities in India during early 19th century	SEPTEMBER ,2022	2
CC-7 Education in British India	UNIT-I	Serampore Mission,	SEPTEMBER ,2022	2
CC-7 Education in British India	UNIT-I	Fort William College	SEPTEMBER ,2022	2
CC-7 Education in British India	UNIT-I	Bengal Renaissance- Educational contributions	SEPTEMBER ,2022	1
CC-7 Education in British India	UNIT-I	Charter Act of 1813.	SEPTEMBER ,2022	1
CC-7 Education in British India	UNIT-IV	Calcutta University Commission (1917-1919)	NOVEMBER, 2023	2
CC-7 Education in British India	UNIT-IV	Education under Diarchy,	NOVEMBER, 2023	1

CC-7 Education in British India	UNIT-IV	Hartog Committee Report (1929),	NOVEMBER, 2023	1
CC-7 Education in British India	UNIT-IV	Education under Provincial autonomy	NOVEMBER, 2023	1
CC-7 Education in British India	UNIT-IV	Abbot Wood Report	NOVEMBER, 2023	1
CC-7 Education in British India	UNIT-IV	Gandhiji’s Basic Education,	DECEMBER, 2023	2
CC-7 Education in British India	UNIT-IV	Sargeant Report (1944)	DECEMBER, 2023	2
SEC-1 Value Education	UNIT-I	Values in a Pluralist Society: Concept	DECEMBER, 2022	1
SEC-1 Value Education	UNIT-I	Values in a Pluralist Society: Indian context	DECEMBER, 2022	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12 Educational Technology	UNIT-II	System approach: concept	JULY, 2022	1
CC-12 Educational Technology	UNIT-II	System approach: characteristics	JULY, 2022	1
CC-12 Educational Technology	UNIT-II	Components of instructional system	AUGUST, 2022	1
CC-12 Educational Technology	UNIT-II	System approach: Steps	AUGUST, 2022	1
CC-12 Educational Technology	UNIT-II	Uses of system approach	AUGUST, 2022	1
CC-12 Educational Technology	UNIT-II	Limitation of system approach	AUGUST, 2022	1
CC-12 Educational Technology	UNIT-II	Programmed Learning: concept	AUGUST, 2022	1
CC-12 Educational Technology	UNIT-II	nature and scope of programmed learning	AUGUST, 2022	1
CC-12 Educational Technology	UNIT-II	Principles of programming	AUGUST, 2022	1
CC-12 Educational Technology	UNIT-II	Branching Programme	AUGUST, 2022	2

CC-12 Educational Technology	UNIT-II	Linear programme	SEPTEMBER,20 22	1
CC12 EducationalTechnology	UNIT-IV	Multimedia approach in educational technology: Concept	SEPTEMBER,20 22	1
CC12 EducationalTechnology	UNIT-IV	Visual, audio and audio-visual types and their uses in education	SEPTEMBER,20 22	2
CC12 EducationalTechnology	UNIT-IV	Computer and its role in education	SEPTEMBER,20 22	2
CC12 EducationalTechnology	UNIT-IV	Personalized Instructional Techniques	SEPTEMBER,20 22	2
CC12 Educational Technology	UNIT-IV	Mass Instructional Techniques: Concept	AUGUST, 2022	1
CC12 Educational Technology	UNIT-IV	Mass Instructional Techniques: Types	AUGUST, 2022	1
CC12 Educational Technology	UNIT-IV	Mass Instructional Techniques: Seminar	AUGUST, 2022	1
CC12 Educational Technology	UNIT-IV	Mass Instructional Techniques: Symposium	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-IV	Mass Instructional Techniques: Workshop	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-IV	Mass Instructional Techniques: Panel Discussion	SEPTEMBER,20 22	1

DSE-II Teacher Education	UNIT-II	Development of Teacher Education in India before independence	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-II	Development of Teacher Education in India after independence	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-IV	Teaching as a professional ethics of a teacher	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-IV	Characteristics of a Good Teacher,	SEPTEMBER,20 22	
DSE-II Teacher Education	UNIT-IV	Characteristics of a Good Teacher	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-IV	Professional Organizations: Meaning and concept	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-IV	Professional Organizations for various levels and their roles: Primary	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-IV	Professional Organizations for various levels and their roles: Secondary	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-IV	Professional Organizations for various levels and their roles: Higher secondary	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-IV	Professional Organizations for various levels and their roles: Higher Education	NOVEMBER,20 22	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Educational Philosophy- II	UNIT-IV	Education for empowerment of different Categories of People	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-IV	Education for Peace	MARCH,2023	2
CC-4 Educational Psychology- II	UNIT-I	Measurement of intelligence: Verbal	MARCH,2023	1
CC-4 Educational Psychology- II	UNIT-I	Measurement of intelligence: Non-verbal	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-I	Measurement of intelligence: Performance Test	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-I	Personality: Meaning	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-II	Personality: Nature	APRIL, 2023	1

CC-4 Educational Psychology- II	UNIT-II	Development of Personality	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-II	Personality: Types	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-III	Personality: Traits	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-III	Psychoanalytical theory of Personality: Concept	MAY,2023	1
CC-4 Educational Psychology- II	UNIT-III	Psychoanalytical theory of Personality: overview	MAY,2023	2
CC-4 Educational Psychology- II	UNIT-III	Psychoanalytical theory of Personality: Educational implication	MAY,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Humanistic approach of Personality: Concept	JUNE,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Humanistic approach of Personality: Overview	JUNE,2023	2
CC-4 Educational Psychology- II	UNIT-IV	Educational implication of Humanistic approach of Personality	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTIONOF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9 Development of Education in Post Independence Period	UNIT-I	University Education Commission (1948-49): Aims	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-I	University Education Commission (1948-49): Structure	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-I	University Education Commission (1948-49): Curricula	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-I	University Education Commission (1948-49): Rural University	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-I	University Education Commission (1948-49): Other Recommendations	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-I	Mudaliar Commission (1952- 53): Aims	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-I	Mudaliar Commission (1952- 53): Structure	MARCH,2023	2
CC-9 Development of Education in Post Independence Period	UNIT-II	Mudaliar Commission (1952- 53): Curricula	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-II	Mudaliar Commission (1952- 53): Saptaprobaha	APRIL,2023	1

CC-9 Development of Education in Post Independence Period	UNIT-II	Mudaliar Commission (1952-53): Other Recommendations	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-IV	National Policy on Education (1986)	APRIL,2023	3
CC-9 Development of Education in Post Independence Period	UNIT-IV	Programme of Action (P.O.A.)-(1982)	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-IV	Constitutional Reforms Relating to Education.	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	Educational organization: Meaning	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	Educational organization: Principles	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	School Organization and its Principle	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	● School plant	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	● Buildings ● Equipments, ● Playground,	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-I	● Workshop, ● Library, ● Computer room etc.	MAY, 2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Sri Aurobindo (1872-1950): Educational Philosophy	JUNE,2023	1

SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Sri Aurobindo (1872-1950): Aims of Education	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Sri Aurobindo (1872-1950): Method of Instruction, Curriculum of Education	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Sri Aurobindo (1872-1950): Concept of Teacher	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Measurement & Evaluation in Education	UNIT-IV	Types of Educational data	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Collection and processing of data;	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Tabulation of data,	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Graphical representation of data	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Frequency Polygon,	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Histogram,	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Bar Diagram,	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Pie chart	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-IV	Ogive: Computation of diagrams and uses	FEBRUARY, 2023	1

CC-13 Measurement & Evaluation in Education	UNIT-V	Measures of Central tendency and its uses, - Mean, Median, Mode	MARCH, 2023	3
CC-13 Measurement & Evaluation in Education	UNIT-V	Measures of Variability and its uses- Range, AD, SD, QD	MARCH, 2023	3
CC-13 Measurement & Evaluation in Education	UNIT-V	Correlation, Computation of Correlation Co-efficient by Product moment	MARCH, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-V	Computation of Correlation Co- efficient by Rank difference Methods and interpretation of results	MARCH, 2023	1
CC-14 Comparative Education	UNIT-III	Educational structure of U.S.A	MARCH, 2023	1
CC-14 Comparative Education	UNIT-III	Educational structure of U.K.	MARCH, 2023	1
CC-14 Comparative Education	UNIT-III	Educational structure of INDIA	MARCH,2023	1
CC-14 Comparative Education	UNIT-III	Comparison of Educational structure of USA and INDIA	MARCH,2023	1
CC-14 Comparative Education	UNIT-III	Comparison of Educational structure of UK and INDIA	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Basic Statistics and their uses	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Central tendency: Different Measures	MARCH,2023	2

DSE-3 Basics of Educational Research and statistics	UNIT-IV	Measures of Dispersion	MARCH,2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Graphical representation of data	MARCH,2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Correlation and its uses	MARCH,2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Product moment	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Rank Difference	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Inferential data Analysis: Concept	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Inferential data Analysis: Parametric test	APRIL, 2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Inferential data Analysis: Non- Parametric test	APRIL, 2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Inferential data Analysis: Z test	APRIL, 2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Inferential data Analysis: t test	APRIL, 2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Inferential data Analysis: Median test	APRIL, 2023	2

DSE-3 Basics of Educational Research and statistics	UNIT-IV	Inferential data Analysis: Chy- square test	MAY,2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Normal probability curve: Concept	MAY,2023	3
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Normal probability curve: Calculation	APRIL, 2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-IV	Standard Scores	MAY,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-IV	CR-test (t-test)	MAY,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-II	Major Approaches of Research: Overview	MAY,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-II	Major Approaches of Research: Descriptive	JUNE,2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-II	Major Approaches of Research: Survey	JUNE,2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: EDUCATION				
NAME OF THE TEACHER: SOMA BHATTACHARYA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-I Educational Philosophy-I	UNIT-II	Relationship of Education and Philosophy	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Epistemological and Ethical aspects	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Sankhya	SEPTEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Sankhya - Epistemology	NOVEMBER, 2022	1

CC-I Educational Philosophy-I	UNIT-II	Sankhya -Ethics	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Concept of Yoga	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Yoga -Epistemology	NOVEMBER, 2022	1
CC-I Educational Philosophy-I	UNIT-II	Yoga -Ethics	DECEMBER, 2022	1
CC-2 Educational Psychology -I	UNIT-III	Concept of learning	DECEMBER, 2022	1
CC-2 Educational Psychology -I	UNIT-III	Characteristics of learning	JANUARY, 2023	1

CC-2 Educational Psychology -I	UNIT-III	Factors associated with learning	JANUARY, 2023	2
CC-2 Educational Psychology -I	UNIT-III	Theories of learning: Concept	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Theories of learning: Trial and Error	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Educational implication of Trial-and-Error method of learning	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Theories of learning: Classical Conditioning	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Educational implication of Classical Conditioning theory of learning,	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Theories of learning: Operant Conditioning	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Educational implication of Operant Conditioning theory of learning	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Insightful learning	JANUARY, 2023	1

CC-2 Educational Psychology -I	UNIT-III	Educational implication of Insightful learning	JANUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Gagne’s theory of learning	FEBRUARY, 2023	1
CC-2 Educational Psychology -I	UNIT-III	Educational implication of Gagne’s theory of learning	FEBRUARY, 2023	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 Educational Sociology	UNIT-IV	Social Stratification: Concept	JULY, 2022	1
CC-5 Educational Sociology	UNIT-IV	Social Stratification: Nature	JULY, 2022	1
CC-5 Educational Sociology	UNIT-IV	Education with reference to social stratification,	AUGUST, 2022	2
CC-5 Educational Sociology	UNIT-IV	Social equity	AUGUST, 2022	2

CC-5 Educational Sociology	UNIT-IV	Equality of educational opportunities	AUGUST, 2022	2
CC-6 Education in Ancient & Medieval India	UNIT-III	Education in Buddhistic Period: Concepts	AUGUST, 2022	1
CC-6 Education in Ancient & Medieval India	UNIT-III	Education in Buddhistic Period with special reference to Aims	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-III	Education in Buddhistic Period with special reference to Curriculum, Method of teaching,	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-III	Education in Buddhistic Period with special reference to Role of Teachers	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-III	Educational implication of Buddhistic system in present context	SEPTEMBER ,2022	1
CC-6 Education in Ancient & Medieval India	UNIT-III	Comparison between Braminic and Buddhistic education	NOVEMBER, 2022	1
CC-7 Education in British India	UNIT-II	Introduction to Western Education	NOVEMBER, 2022	1
CC-7 Education in British India	UNIT-II	Oriental and Occidental Controversy,	NOVEMBER, 2022	2

CC-7 Education in British India	UNIT-II	Macaulay’s Minute	NOVEMBER, 2022	1
CC-7 Education in British India	UNIT-II	Adam’s Report and its recommendations	NOVEMBER, 2022	2
CC-7 Education in British India	UNIT-II	Wood’s Despatch-1854.	NOVEMBER, 2022	2
SEC-1 Value Education	UNIT-IV	Values in the Classroom	DECEMBER, 2022	1
SEC-1 Value Education	UNIT-IV	Value from the pupil’s perspective	DECEMBER, 2022	2
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Educational Guidance and Counselling	UNIT-III	Counselling: Meaning	JULY, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-III	Counselling: Nature	JULY, 2022	1

CC-11 Educational Guidance and Counselling	UNIT-III	Counselling: Scope	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-III	Types of counselling: Direct	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-III	Types of counselling: Indirect	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-III	Types of counselling: Eclectic	AUGUST, 2022	1
CC-11 Educational Guidance and Counselling	UNIT-III	Tools and techniques of Counselling.	AUGUST, 2022	1
CC12 Educational Technology	UNIT-III	Communication: meaning	AUGUST, 2022	1
CC12 Educational Technology	UNIT-III	Communication: nature	AUGUST, 2022	1
CC12 Educational Technology	UNIT-III	Communication: types	AUGUST, 2022	1
CC12 Educational Technology	UNIT-III	Communication: process	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-III	Barriers of Communication	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-III	Significance of Communication	SEPTEMBER,20 22	1

CC12 Educational Technology	UNIT-III	Components of communication process	SEPTEMBER,20 22	1
CC12 Educational Technology	UNIT-III	Communication in teaching- learning situation.	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Modern Trends and Contemporary Issues in Education: Concept	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Privatization in Education: Concept	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Privatization in Education: Characteristics	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Effect of Privatization on Education	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Globalization: Concept	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Globalization: Characteristics	SEPTEMBER,20 22	1
DSE-I Current Issues in Indian Education	UNIT-IV	Effect of Globalization on Education	SEPTEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Meaning of Teacher Education	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Scope of Teacher Education	NOVEMBER,20 22	1

DSE-II Teacher Education	UNIT-I	Need for Education of the Teachers	NOVEMBER,20 22	2
DSE-II Teacher Education	UNIT-I	Aims and Objectives of Teacher Education: Elementary	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Aims and Objectives of Teacher Education:Secondary	NOVEMBER,20 22	1
DSE-II Teacher Education	UNIT-I	Aims and Objectives of Teacher Education:Higher Secondary levels	NOVEMBER,20 22	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Educational Philosophy- II	UNIT-III	Current issues in Education: Concept	MARCH,2023	1

CC-3 Educational Philosophy- II	UNIT-III	Education for Democracy	MARCH,2023	1
CC-3 Educational Philosophy- II	UNIT-III	Education for National Integration	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-III	Education for International Understanding	MARCH,2023	2
CC-3 Educational Philosophy- II	UNIT-II	Contribution of Great Educators to Education – Dewey	MARCH,2023	2
CC-4 Educational Psychology- II	UNIT-I	Intelligence: Concept and Definition,	MARCH,2023	1
CC-4 Educational Psychology- II	UNIT-I	Theories of Intelligence: Overview	APRIL, 2023	1
CC-4 Educational Psychology- II	UNIT-I	Two-factor theory	APRIL, 2023	2
CC-4 Educational Psychology- II	UNIT-I	Group-factor theory	APRIL, 2023	2
CC-4 Educational Psychology- II	UNIT-II	Guilford's theory of Intellect,	APRIL, 2023	2
CC-4 Educational Psychology- II	UNIT-III	Memory: Meaning and Concepts	APRIL, 2023	
CC-4 Educational Psychology- II	UNIT-III	Process of Memorization	APRIL, 2023	

CC-4 Educational Psychology- II	UNIT-III	Storage and reproduction of information	APRIL, 2023	
CC-4 Educational Psychology- II	UNIT-III	Types of Memory: Sensory Memory-short term and long- term memory,	MAY,2023	2
CC-4 Educational Psychology- II	UNIT-III	Encoding of Memory	MAY,2023	1
CC-4 Educational Psychology- II	UNIT-III	Economy in memorization	MAY,2023	2
CC-4 Educational Psychology- II	UNIT-IV	Piaget's theory of Cognitive development: Concept and Definition	JUNE,2023	1
CC-4 Educational Psychology- II	UNIT-IV	Piaget's theory of Cognitive development: brief outline	JUNE,2023	2
CC-4 Educational Psychology- II	UNIT-IV	Piaget's Theories of Development-Educational implication	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 Educational Sociology-II	UNIT-II	Social Mobility: Meaning,	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-IV	Social Mobility: Types	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-IV	Causes of Social Mobility	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-IV	Factors of Social Mobility	MARCH,2023	1
CC-8 Educational Sociology-II	UNIT-IV	Mobility in Indian Society	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-II	Kothari Commission (1964-66):Concept	MARCH,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-II	Kothari Commission (1964-66): Objectives	MARCH,2023	2
CC-9 Development of Education in Post Independence Period	UNIT-II	Kothari Commission (1964-66): Structure	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-II	Kothari Commission (1964-66): Curricula	APRIL,2023	1

CC-9 Development of Education in Post Independence Period	UNIT-II	Kothari Commission (1964-66): Technical and Professional Education	APRIL,2023	1
CC-9 Development of Education in Post Independence Period	UNIT-II	Kothari Commission (1964-66): Recommendations on different areas of education.	APRIL,2023	2
CC-10 Educational Management and Administration	UNIT-I	Educational Planning: meaning, scope	APRIL,2023	1
CC-10 Educational Management and Administration	UNIT-I	Educational Planning: significance	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-I	Educational Planning: types & strategies,	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	Manpower Planning: meaning, nature	MAY, 2023	1
CC-10 Educational Management and Administration	UNIT-I	Manpower Planning: characteristics, Steps	MAY, 2023	2
CC-10 Educational Management and Administration	UNIT-I	Strategies in Manpower Planning	MAY, 2023	2
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Swami Vivekananda (1863- 1902): Educational Philosophy	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Swami Vivekananda (1863- 1902): Aims of Education	JUNE,2023	1
SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Swami Vivekananda (1863- 1902): Method of Instruction, Curriculum of Education	JUNE,2023	1

SEC-2 Educational Thoughts and Ideas of Great Indian Educators	UNIT-I	Swami Vivekananda (1863- 1902): Women Education & Concept of Teacher	JUNE,2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Measurement & Evaluation in Education	UNIT-II	Different Tools and Techniques of Assessment: Overview ,	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-II	Different Tools and Techniques of Assessment: Tests	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-II	Different Tools and Techniques of Assessment: Observation	FEBRUARY, 2023	1
CC-13 Measurement & Evaluation in Education	UNIT-II	Different Tools and Techniques of Assessment: Assignment, and Project	FEBRUARY, 2023	2
CC-13 Measurement & Evaluation in Education	UNIT-II	General principles of test construction and standardization	FEBRUARY, 2023	2
CC-13 Measurement & Evaluation in Education	UNIT-II	Teacher Made test and Standardized test.	FEBRUARY, 2023	2
CC-14 Comparative Education	UNIT-IV	Educational Objectives of Primary Education of U.S.A ,	FEBRUARY, 2023	1
CC-14 Comparative Education	UNIT-IV	Educational Objectives of Secondary Education of U.S.A	FEBRUARY, 2023	1
CC-14 Comparative Education	UNIT-IV	Educational Curriculum of primary Education of U.S.A	MARCH,2023	1

CC-14 Comparative Education	UNIT-IV	Educational Curriculum of secondary Education of U.S.A	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Educational Objectives of Primary Education of U.K.	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Educational Objectives of Secondary Education of U.K.	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Educational Objectives of Primary Education of INDIA	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Educational Objectives of Secondary Education of INDIA	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Comparative study on Educational Objectives and Curriculum of primary Education of U.S.A and India	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Comparative study on Educational Objectives and Curriculum of Secondary Education of U.S.A and India	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Comparative study on Educational Objectives and Curriculum of primary Education of U.K. and India	MARCH,2023	1
CC-14 Comparative Education	UNIT-IV	Comparative study on Educational Objectives and Curriculum of primary Education of U.K. and India	MARCH,2023	1

DSE-3 Basics of Educational Research and statistics	UNIT-I	Research in Education: Meaning, nature	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-I	Research in Education: nature	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-I	scope of Educational Research	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-I	Types of Research: Fundamental	MARCH,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-I	Types of Research: Applied	APRIL, 2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-I	Types of Research: Action research	APRIL, 2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-I	Qualitative Research	APRIL, 2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-I	Quantitative Research	APRIL, 2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-I	Research- Problems,	APRIL, 2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-I	Objectives	MAY,2023	2
DSE-3 Basics of Educational Research and statistics	UNIT-I	Hypotheses	MAY,2023	3

DSE-3 Basics of Educational Research and statistics	UNIT-II	Major Approaches of Research: Overview	MAY,2023	1
DSE-3 Basics of Educational Research and statistics	UNIT-II	Major Approaches of Research: Historical	JUNE,2023	3
DSE-3 Basics of Educational Research and statistics	UNIT-II	Major Approaches of Research: Experimental	JUNE,2023	3

DR. RAJAT JYOTI SARKAR

Academic Session - 2022 – 2023 (July'2022 – December'2022)

Name of the Teacher	Semester	Topics
Dr. Rajat Jyoti Sarkar	Semester – 1 (Economics Honours)	<u>Paper - CC – 2 (Statistics – I)</u> 1. Measure of dispersion 2. Moments, skewness and kurtosis 3. Index number 4. Time series
	Semester – 3 (Economics Honours)	<u>Paper – CC – 5 (Intermediate Microeconomics)</u> 1. Theory of factor pricing <u>Paper – CC – 6 (Intermediate Macroeconomics)</u> 1. Theory of inflation 2. Economic growth 3. Role of expectation 4. Open economy <u>Paper – CC – 7 (Mathematical Economics - II)</u> 1. Input – Output analysis <u>Paper – SEC - 1 (Managerial Economics)</u> 1. Different theories of firm 2. Price determination under different structures 3. Financial investment decisions
	Semester – 5 (Economics Honours)	<u>Paper – DSE – 1 (Rural Development)</u> 1. Rural Development – Background and concepts 2. Policies and programmes for Rural development 3. Resources and livelihoods 4. Stakeholders in Rural development 5. Rural development approaches in other selected countries
	Semester – 1 (Economics Generic)	<u>Paper – GE – 1 (Microeconomics)</u> 1. Theory of distribution
	Semester – 3 (Economics Generic)	<u>Paper – GE – 3 (Development Economics)</u> 1. Different indicators of economic development 2. Dependency theory 3. Foreign investment
	Semester – 3 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 3 (Principles of Economics)</u> 1.. Market structure 2. Theory of factor pricing

DR. RAJAT JYOTI SARKAR

Academic Session - 2022 – 2023 (January'2023 – June'2023)

Name of the Teacher	Semester	Topics
Dr. Rajat Jyoti Sarkar	Semester – 2 (Economics Honours)	<u>Paper – CC – 3 (Introductory Macroeconomics)</u> 1. Consumption function. 2. Money market <u>Paper – CC – 4 (Mathematical Economics - I)</u> 1. Techniques of dynamic analysis.
	Semester – 4 (Economics Honours)	<u>Paper – CC – 8 (Selected features of Indian Economy)</u> 1. Economic development since independence 2. Population and human development 3. Development and distribution 4. Policies and performance in industry <u>Paper – CC – 9 (Statistics – II)</u> 1. Set theory 2. Random variables 3. Sampling 4. Theory of estimation 5. Testing of hypothesis 6. Sampling distribution <u>Paper – CC – 10 (Development strategy)</u> 1. Development and underdevelopment as a historical process 2. Migration and development
	Semester – 6 (Economics Honours)	<u>Paper – DSE - 3 (Political Economy)</u> Marxian Economics <u>Paper – DSE – 4 (Entrepreneurship Development)</u> 1. Evolution of the concept of entrepreneur 2. Entrepreneurship motivation 3. Project identification and selection 4. Sickness in small business 5. Financial resources for new ventures 6. Growth strategies in small business. <u>CC – 14 – Field Survey and Project Report</u>
	Semester – 2 (Economics Generic)	<u>Paper – GE – 2 (Macroeconomics)</u> 1. Theory of inflation

	Semester – 4 (Economics Generic)	<u>Paper – GE – 4 (Indian Economics)</u> 1. Structure of Indian economy 2. Human resources and economic development 3. Banking
	Semester – 2 (Economics General) (for B.Com General)	<u>Paper – GE – 1 (Principle of Economics)</u> 1. Market structure 2. Theory of factor pricing
	Semester – 4 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 4 (Indian Economy)</u> 1. Growth, development and structural change 2. Agricultural sector

PROF. ARABINDA KUMAR PAL

Academic Session - 2022 – 2023 (July'2022 – December'2022)

Name of the Teacher	Semester	Topics
Arabinda Kumar Pal	Semester – 1 (Economics Honours)	<u>CC – 2 (Statistics – I)</u> 1. Measures of central tendency 2. Correlation analysis 3. Regression analysis 4. Partial correlation 5. Multiple correlation
	Semester – 3 (Economics Honours)	<u>Paper – CC – 6 (Intermediate Macroeconomics)</u> 1. Investment function <u>Paper – CC – 7 (Mathematical Economics - II)</u> 1. Determinants and matrices
	Semester – 5 (Economics Honours)	<u>Paper – CC - 11 (International Economics)</u> 1. Trade: Ideas and concepts 2. Pure theory of trade 3. Trade policy
	Semester – 1 (Economics Generic)	<u>Paper – GE – 1 (Microeconomics)</u> 1. Welfare Economics
	Semester – 3 (Economics Generic)	<u>Paper – GE – 3 (Development Economics)</u> 1. Political Institutions and the State
	Semester – 3 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 3 (Principles of Economics)</u> 1. Selected macroeconomic principles

PROF. ARABINDA KUMAR PAL

Academic Session - 2022 – 2023 (January'2023 – June'2023)

Name of the Teacher	Semester	Topics
Arabinda Kumar Pal	Semester – 2 (Economics Honours)	<u>Paper – CC – 3 (Introductory Macroeconomics)</u> 1. National income <u>Paper – CC – 4 (Mathematical Economics - I)</u> 1. Integration of functions
	Semester – 4 (Economics Honours)	<u>Paper – CC – 9 (Statistics – II)</u> 1. Probability 2. Theoretical Distribution
	Semester – 6 (Economics Honours)	<u>CC – 13 – Econometrics</u> 1. Nature and scope of Econometrics 2. Simple Linear Regression Model 3. Multiple Linear Regression Model 4. Autocorrelation <u>CC – 14 – Field Survey and Project Report</u>
	Semester – 2 (Economics Generic)	<u>Paper – GE – 2 (Macroeconomics)</u> 1. National income and products accounts
	Semester – 4 (Economics Generic)	<u>Paper – GE – 4 (Indian Economics)</u> 1. Industry 2. Foreign trade
	Semester – 2 (Economics General) (for B.Com General)	<u>Paper – GE – 1 (Principle of Economics)</u> 1. Selected macroeconomic principles
	Semester – 4 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 4 (Indian Economy)</u> 1. Policy regimes

PROF. ABHIJIT DATTA

Academic Session - 2022 – 2023 (July'2022 – December'2022)

Name of the Teacher	Semester	Topics
Abhijit Datta	Semester – 1 (Economics Honours)	<u>Paper - CC – 1 (Introductory Microeconomics)</u> 1. Marshallian utility theory 2. Indifference curve approach 3. Revealed preference theory 4. Demand analysis
	Semester – 3 (Economics Honours)	<u>Paper – CC – 5 (Intermediate Microeconomics)</u> 1. General equilibrium 2. Welfare Economics <u>Paper – CC – 7 (Mathematical Economics - II)</u> 1. Linear programming 2. Basic game theory 3. Decisions under uncertainty
	Semester – 5 (Economics Honours)	<u>Paper – DSE – 2 (Public Economics)</u> 1. Instruments and objectives of public finance 2. Principles of taxation 3. Public expenditure and public debt 4. Compensatory fiscal policy
	Semester – 1 (Economics Generic)	<u>Paper – GE – 1 (Microeconomics)</u> 1. Consumer's behaviour
	Semester – 3 (Economics Generic)	<u>Paper – GE – 3 (Development Economics)</u> 1. Poverty and inequality

PROF. ABHIJIT DATTA

Academic Session - 2022 – 2023 (January'2023 – June'2023)

Name of the Teacher	Semester	Topics
Abhijit Datta	Semester – 2 (Economics Honours)	<u>Paper – CC – 4 (Mathematical Economics - I)</u> 1. Single and multivariate functions
	Semester – 4 (Economics Honours)	<u>Paper – CC – 8 (Selected features of Indian Economy)</u> 1. Economic development since independence 2. Policies and performance in agriculture <u>Paper – CC – 10 (Development Economics)</u> 1. Economic Development 2. Poverty and inequality
	Semester – 6 (Economics Honours)	<u>Paper – DSE – 4 (Entrepreneurship Development)</u> 1. Evolution of the concept of entrepreneur 2. Project identification and selection <u>CC – 14 – Field Survey and Project Report</u>
	Semester – 2 (Economics Generic)	<u>Paper – GE – 2 (Macroeconomics)</u> 1. Banking
	Semester – 4 (Economics Generic)	<u>Paper – GE – 4 (Indian Economics)</u> 1. Agriculture

DR. DEBARSHI MANDAL

Academic Session - 2022 – 2023 (July'2022 – December'2022)

Name of the Teacher	Semester	Topics
Dr. Debarshi Mandal	Semester – 1 (Economics Honours)	<u>Paper - CC – 1 (Introductory Microeconomics)</u> 1. Perfectly competitive market <u>CC – 2 (Statistics – I)</u> 1. Frequency distribution 2. Presentation of data
	Semester – 3 (Economics Honours)	<u>Paper – CC – 6 (Intermediate Macroeconomics)</u> 1. The classical system 2. The Complete Keynesian model
	Semester – 5 (Economics Honours)	<u>Paper – CC - 12 (Money and Banking)</u> 1. Money 2. Financial Institutions, Markets, Instruments and Financial Institutions 3. Interest rates 4. Banking system 5. Central banking and monetary policy
	Semester – 1 (Economics Generic)	<u>Paper – GE – 1 (Microeconomics)</u> 1. Market Morphology
	Semester – 3 (Economics Generic)	<u>Paper – GE – 3 (Development Economics)</u> 1. Economic Growth
	Semester – 3 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 3 (Principles of Economics)</u> 1. Consumer theory 2. Demand – supply framework

DR. DEBARSHI MANDAL

Academic Session - 2022 – 2023 (January'2023 – June'2023)

Name of the Teacher	Semester	Topics
Dr. Debarshi Mandal	Semester – 2 (Economics Honours)	<u>Paper – CC – 3 (Introductory Macroeconomics)</u> 1. Simple Keynesian model of income determination. 2. Interaction between commodity market and money market
	Semester – 4 (Economics Honours)	<u>Paper – CC – 10 (Development Economics)</u> 1. Persistence of Underdevelopment and Way to Develop 2. Development Strategy
	Semester – 6 (Economics Honours)	<u>Paper – DSE - 3 (Political Economy)</u> <u>1. Classical Economic thoughts</u> <u>2. Political system</u> <u>3. The state and the economy</u> <u>CC – 14 – Field Survey and Project Report</u>
	Semester – 2 (Economics Generic)	<u>Paper – GE – 2 (Macroeconomics)</u> 1. Money market 2. Simple Keynesian theory of income and employment 3. IS-LM model
	Semester – 4 (Economics Generic)	<u>Paper – GE – 4 (Indian Economics)</u> 1. Agriculture
	Semester – 2 (Economics General) (for B.Com General)	<u>Paper – GE – 1 (Principle of Economics)</u> 1. Consumer theory 2. Demand – supply framework
	Semester – 4 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 4 (Indian Economy)</u> 1. Basic issues in economic development 2. Basic features of the Indian economy at independence

PROF. TUSAR KANTI SAMANTA

Academic Session - 2022 – 2023 (July'2022 – December'2022)

Name of the Teacher	Semester	Topics
Tusar Kanti Samanta	Semester – 1 (Economics Honours)	<u>Paper – CC – 1 (Introductory Microeconomics)</u> 1. Theory of production 2. Theory of cost
	Semester – 3 (Economics Honours)	<u>Paper – CC – 5 (Intermediate Microeconomics)</u> 1. Imperfect competition 2. Theory of oligopoly <u>Paper – SEC - 1 (Managerial Economics)</u> 1. Demand analysis
	Semester – 5 (Economics Honours)	<u>Paper – CC - 11 (International Economics)</u> 1. Balance of payment
	Semester – 1 (Economics Generic)	<u>Paper – GE – 1 (Microeconomics)</u> 1. Producer's behaviour
	Semester – 3 (Economics Generic)	<u>Paper – GE – 3 (Development Economics)</u> 1. Inequality 2. Development models
	Semester – 3 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 3 (Principles of Economics)</u> 1. Theory of production 2. Theory of cost

PROF. TUSAR KANTI SAMANTA

Academic Session - 2022 – 2023 (January'2023 – June'2023)

Name of the Teacher	Semester	Topics
Tusar Kanti Samanta	Semester – 2 (Economics Honours)	<u>Paper – CC – 4 (Mathematical Economics - I)</u> 1. Unconstrained optimization 2. Constrained optimization
	Semester – 4 (Economics Honours)	<u>Paper – CC – 8 (Selected features of Indian Economy)</u> 1. Macroeconomic policies and their impact <u>Paper – SEC - 2 (Basic Computer Application)</u> 1. File creation and management system 2. Word processing 3. Spread sheet solutions 4. Presentations
	Semester – 6 (Economics Honours)	<u>CC – 13 – Econometrics</u> 1. Heteroskedasticity 2. Multicollinearity 3. Specification analysis <u>CC – 14 – Field Survey and Project Report</u>
	Semester – 2 (Economics Generic)	<u>Paper – GE – 2 (Macroeconomics)</u> 1. Classical system
	Semester – 4 (Economics Generic)	<u>Paper – GE – 4 (Indian Economics)</u> 1. Indian Public finance
	Semester – 2 (Economics General) (for B.Com General)	<u>Paper – GE – 1 (Principle of Economics)</u> 1. Theory of production 2. Theory of cost
	Semester – 4 (Economics Generic) (for B.Com Honours)	<u>Paper – GE – 4 (Indian Economy)</u> 1. Industrial sector 2. Service sector 3. Financial sector

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SOCIOLOGY				
NAME OF THE TEACHER: BHASWATI GHOSH (2022-2023)				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC1 Introductory Sociology I	Culture, Society and Socialization	Definition and Component of Culture	August & September 2022	2
		Concept of Cultural Lag, Cultural Variability, Cultural Universality, Cultural Relativism and Ethnocentrism	September & October 2022	5
		Socialization: Meaning, Types and Agencies	November & December 2022	3
		Review & Problem Discussion	January & February 2023	2
Paper CC2 Rise of Sociology as a Discipline	Theories of Human Society and Foundations of Society	Hobbes & Locke	August & September 2022	3
		Rousseau	September & October 2022	2
		Montesquieu	November & December 2022	2
		Review & Problem Discussion	January & February 2023	1

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS/ GENERAL~~ / GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE1 Invitation to Sociology I	Culture, Society and Socialization	Definition and Component of Culture	August & September 2022	4
		Role of Culture in Social Life	September & October 2022	3
		Socialization: Meaning, Types and Agencies	November & December 2022	3
		Review & Problem Discussion	January & February 2023	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC5 Sociology in India	Radhakamal Mukherjee	Methodology, Indian Culture and Civilization	July & August 2022	5
		Personality, Society and values	August & September 2022	5
		Urban, Social and Ecological Problems, Major Contributions	October & November 2022	5
		Review & Problem Discussion	November & December 2022	2
Paper CC6 Classical Sociological Thought II	Vilfredo Pareto	Logical & Non-logical Action, Residues and Derivations	July & August 2022	2
		Types of Non-Logical Theories	August 2022	2
		Subjective Intentions and Objective Consequences	August & September 2022	2
		The Lions and the Foxes	September & October 2022	2
		Elites and their circulation	October & November 2022	2
		Social Utility of and for collectives	November & December 2022	2
		Review & Problem Discussion	December 2022	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE3 Western Sociological Thought I	Herbert Spencer	Militant and Industrial Societies	July & August 2022	3
		Evolution	August 2022	2
		Individualism Versus Organicism	September & October 2022	3
		Non-intervention and Survival of the Fittest	November & December 2022	3
		Review & Problem Discussion	December 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMB ER OF CLASS ES
Paper CC11 Society in India II	Tribes in India	Social and Economic Features of Tribal Society	July & August 2022	2
		Problems in defining a Tribe in India	August 2022	2
		Tribe – Caste Continuum	August 2022	2
		Major Social Units: Group of Tribes, Tribe, Sub Tribe, Moiety, Phratry, Family	August & September 2022	2
		Problems of Indian Tribes	August & September 2022	2
		Changes in Tribal Life – Nature & Factors	September & October 2022	2
		Review & Problem Discussion	September & October 2022	3
	Urban Society in India	Features of Urban Social Life, Urban Processes	September & October 2022	2
		Definition & Classification of Urban places	October & November 2022	2
		Patterns of Urbanization in India	November 2022	2
		Globalization and Indian Cities	November 2022	2
		Rural Urban Continuum Vs. Rural Urban Differences	November 2022	2
		Sub-urbanization, Slums	November 2022	2
		Review & Problem Discussion	November 2022	3
Paper DSE1 Social Issues in India I	Community and Ethnicity	Communalism: Concept & Varieties	July & August 2022	3
		Causes and Consequences of Communal Riots	August 2022	3
		Problems of Religious Minority	August 2022	3
		Ethnicity: Rise of Ethnic Identity	August & September 2022	3
		Review & Problem Discussion	August & September 2022	3
	Issues of Women and Children	Child Abuse, Child Labour	September & October 2022	3
		Violence against Women and Children	September & October 2022	3
		State Policy and Legal Protection to Women and Children	November 2022	3
		Changing Status of Women	November 2022	3
		Review & Problem Discussion	November 2022	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC3 Introductory Sociology II	Family, Marriage and Kinship	Nature, Types and Changes	March 2023	3
		Alternatives to Family and Marriage	March 2023	2
		Dark sides of Family	April 2023	2
		Review & Problem Discussion	April 2023	1
	Urbanization	Concept and Process	May & June 2023	2
		The Development of City: Traditional and Modern Cities	June 2023	2
		Urbanization in the Developing World	July 2023	1
		Theories of Urbanism: The Chicago School	July & August 2023	2
		Urbanism and Created Environment	July & August 2023	2
		Cities and Globalisation	July & August 2023	1
		Review & Problem Discussion	August 2023	2
Paper CC4 Classical Sociological Thought I	Herbert Spencer	Growth, Structure and Differentiation	March 2023	2
		Social Types: Militant and Industrial Societies	April 2023	3
		Evolution-unilinear or multilinear?	May & June 2023	3
		Functionalism, Individualism versus Organicism	July 2023	2
		Non-Intervention and Survival of the Fittest	July &August 2023	2
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE2 Invitation to Sociology II	Family, Marriage and Kinship	Nature, Types and Changes	March & April 2023	2
		Joint and Nuclear Family: Advantages and disadvantages	May & June 2023	3
		Alternatives to Family and Marriage	July & August 2023	2
		Review & Problem Discussion	August 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC8 Society in India I	Family, Kinship and Marriage in India	Forms of Family, Kinship and Marriage	March 2023	3
		Types and Features of Joint Family - Its Advantages and Disadvantages	April 2023	2
		Notion of Household	May & June 2023	1
		Changes in Family, Kinship and Marriage – Nature & Factors Responsible	June & July 2023	2
		Changing Structure & Functions of Family	July & August 2023	2
		Review & Problem Discussion	August 2023	2
Paper CC10 Sociology in India II	D. P. Mukerji	Nature and Scope of Sociology	March 2023	3
		Methodology to Study Indian Society	April 2023	3
		Personality	May & June 2023	3
		Tradition and Social Change	June & July 2023	4
		Major Contributions	July & August 2023	2
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / ~~GENERAL~~ / GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE4 Western Sociological Thought II	Vilfredo Pareto	Logical & Non-logical Action	March & April 2023	2
		Residues and Derivations	May & June 2023	2
		Elites and their Circulation	July & August 2023	3
		Social Utility of and for Collectives	July & August 2023	3
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC14 Religion and Society	Understanding Religion	Religion as a System of Belief: Religion, Science and Magic	February 2023	4
		Rites of Passage, Taboo, Ritual and Social Structure Piacular Rituals	March 2023	4
		Witchcraft and Sorcery	March & April 2023	2
		Millenary cult, Myth	April & May 2023	2
		Review & Problem Discussion	May & June 2023	3
Paper DSE3 Population Studies	Population Studies	Emergence and Development, Nature, Scope	February 2023	4
		Basic Concepts	February & March 2023	4
		Sources of Population Data	February & March 2023	4
		Review & Problem Discussion	March 2023	2
	Fertility, Mortality and Migration	Basic Concepts	March & April 2023	1
		Types of Migration	March & April 2023	3
		Causes and Consequences of Fertility, Mortality and Migration	April 2023	3
		Review & Problem Discussion	April & May 2023	1
	Population Theories	Demographic Transition	April & May 2023	4
		Optimum Population Theory	May & June 2023	3
		Review & Problem Discussion	May & June 2023	1
Paper DSE4 Dissertation	Dissertation	Classes & Supervision	February. March, April, May & June 202.3	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SOCIOLOGY				
NAME OF THE TEACHER: SANTILATA BISWAS (2022-2023)				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC1 Introductory Sociology I	Some Basic Concepts	Social Institution; Social System; Association	August & September 2022	3
		Aggregates, Categories; Groups and its Forms	September & October 2022	3
		Norms & Values; Social Structure; Social Processes: Associative and Dissociative	November & December 2022	2
		Review & Problem Discussion	January & February 2023	2
Paper CC2 Rise of Sociology as a Discipline	Auguste Comte	Theory of Evolution and Progress; Hierarchy of Sciences	August & September 2022	4
		The Subject Matter and Tasks of Sociology	September & October 2022	3
		Social Statics and Dynamics; Methodology, Theory of Morality	November & December 2022	3
		Review & Problem Discussion	January & February 2023	2

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS/ GENERAL~~ / GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE1 Invitation to Sociology I	Some Basic Concepts	Social Institution; Association; Groups and its Forms	August & September 2022	3
		Status and Role; Norms& Values; Social Structure	September & October 2022	3
		Social Processes: Concept and Types	November & December 2022	2
		Review & Problem Discussion	January & February 2023	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC5 Sociology in India	Benoy Kumar Sarkar	Nature and Scope of sociology	July & August 2022	5
		Personality; Progress	August & September 2022	5
		Interpretation of Indian Tradition, Major Contributions	October & November 2022	5
		Review & Problem Discussion	November & December 2022	3
Paper CC6 Classical Sociological Thought II	Georg Simmel	Formal Sociology, Sociation, Social Types	July & August 2022	2
		Dialectical Method	August 2022	2
		Significance of numbers for social life	August & September 2022	2
		Ambivalent view of modern culture	September & October 2022	2
		Objective and Subjective Culture	October & November 2022	2
		Philosophy of Money	November & December 2022	2
		Review & Problem Discussion	December 2022	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS/ GENERAL/~~ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE3 Western Sociological Thought I	Karl Marx	Religion	July & August 2022	3
		Historical and Dialectical Materialism	August 2022	2
		Class Struggle	September & October 2022	3
		Revolution	November & December 2022	3
		Review & Problem Discussion	December 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMB ER OF CLASS ES
Paper CC11 Society in India II	Rural Society in India	Features of Rural Social Life	July & August 2022	2
		Agrarian Social Structure & Land Reforms	August 2022	2
		Impact of Green Revolution	August 2022	2
		Globalization and Indian Peasantry	August & September 2022	2
		Emerging Class Structure in Rural India	August & September 2022	2
		Panchayati Raj in India: Structure and Functions	September & October 2022	2
		Review & Problem Discussion	September & October 2022	3
	Social Change in India	Impact of Westernization and Modernization	September & October 2022	2
		Social Changes in the Era of Globalization	October & November 2022	2
		Economic Development and Social Change	November 2022	2
		Technology and Social Change	November 2022	2
		Education and Social Change	November 2022	2
		Media and Social Change	November 2022	2
		Review & Problem Discussion	November 2022	3
Paper DSE1 Social Issues in India I	Poverty & Unemploy ment	Concept, Types & Magnitude	July & August 2022	3
		Causes & Consequences; Poverty and Unemployment in neoliberal India	August 2022	3
		Youth Unrest	August 2022	3
		Strategies for Alleviating Poverty & Unemployment	August & September 2022	3
		Review & Problem Discussion	August & September 2022	3
	Population Explosion & Migration	Causes & Consequences of Population Rise	September & October 2022	3
		Is population a liability or a Dividend?	September & October 2022	3
		Population Policy and Family Welfare	November 2022	3
		Migration: Types, Causes & Consequences; Forced Ruralto Urban Migration and Stress on Cities	November 2022	3
		Review & Problem Discussion	November 2022	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC3 Introductory Sociology II	Education and Economic life	Theories of Schooling	March 2023	3
		Education andCultural Reproduction	April 2023	3
		Technology and Work Process	May & June 2023	2
		Taylorism and Fordism	July &August 2023	2
		Review & Problem Discussion	August 2023	2
Paper CC4 Classical Sociological Thought I	Karl Marx	Conception of Social Structure	March 2023	3
		Alienation, Religion	April 2023	3
		Historical and Dialectical Materialism	May & June 2023	3
		Critique of Capitalism, Class & Class Struggle	July 2023	3
		Revolution, Socialism	July &August 2023	3
		Review & Problem Discussion	August 2023	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE2 Invitation to Sociology II	Education and Economic life	Education and Social Inequality	March & April 2023	4
		Education and Cultural Reproduction	May & June 2023	4
		Taylorism and Fordism	July & August 2023	3
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC8 Society in India I	Society and Culture in Pre- British and British India	Land Ownership Pattern and Class Structure in Pre-British India	March 2023	3
		Concept of Self-Sufficient Village Economy	April 2023	2
		Impact of British Rule on Indian Society	May & June 2023	1
		Commercialization of Agriculture	June & July 2023	2
		Growth of Rural Poverty and Indebtedness; Rise of New Social Classes.	July & August 2023	2
		Review & Problem Discussion	August 2023	2
Paper CC10 Sociology in India II	M.N. Srinivas	Caste and Varna	March 2023	3
		Changes in caste system	April 2023	3
		Sanskritization, Dominant Caste	May & June 2023	3
		Village	June & July 2023	4
		Major Contributions	July & August 2023	2
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE4 Western Sociological Thought II	Georg Simmel	Sociation	March & April 2023	2
		Social Types	May & June 2023	2
		Significance of numbers for social life	July & August 2023	3
		Modern Culture	July & August 2023	3
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC14 Religion and Society	Explanations on Religion	Animism	February 2023	3
		Animatism and Manaism	March 2023	3
		Naturalism	March & April 2023	2
		Marx, Durkheim and Weber on Religion	April & May 2023	4
		Review & Problem Discussion	May & June 2023	3
Paper DSE3 Population Studies	Population Theories	Malthusian Theory	February 2023	3
		Marxian Theory	February & March 2023	3
		Review & Problem Discussion	February & March 2023	1
	Population Growth and Distribution	World and Indian Context	February & March 2023	3
		Age Sex Composition	March & April 2023	3
		Issues of Population	March & April 2023	3
		Development & Environment in Indian Context	April 2023	3
		Review & Problem Discussion	April & May 2023	3
	Population Policy in India	Evaluation of Family Planning Programme in India	April & May 2023	4
		National PopulationPolicy 2000	May & June 2023	3
		Review & Problem Discussion	May & June 2023	1
Paper DSE4 Dissertation	Dissertation	Classes & Supervision	February. March, April, May & June 202.3	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SOCIOLOGY				
NAME OF THE TEACHER: RODDUR DE (2022-2023)				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC2 Rise of Sociology as a Discipline	Enlightenment in Europe	Beginning of Scientific temper; Empiricism and Rationalism	August & September 2022	4
		Emergence of the category 'Society'	September 2022	3
		Review & Problem Discussion	September & October 2022	1
	Age of Revolution	Transition from Enlightenment to Revolution	September & October 2022	3
		Review & Problem Discussion	November & December 2022	1
	Ideas of 'society' in Non-European space	Ibn Khaldun's ideas of 'science' and 'society'	November & December 2022	3
		Formulation of indigeneity and tradition in colonial societies of South Asia	January & February 2023	4
		Review & Problem Discussion	February 2023	1

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / ~~GENERAL~~ / GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE1 Invitation to Sociology I	Social Change and Social Mobility	Social Change: Meaning, Types and Agencies	August & September 2022	3
		Social Mobility: Meaning and Types	September & October 2022	4
		Review & Problem Discussion	October & November 2022	1
	Social Stratification	Concept of Social Stratification	November & December 2022	2
		Characteristics and Forms: Caste	January & February 2023	3
		Review & Problem Discussion	February 2023	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC5 Sociology in India	Growth of Sociology and Social Anthropology in India	Contributions of Pre-Sociology ReferenceGroups	July & August 2022	4
		Ideas of Tagore, Gandhi and Vivekananda	August & September 2022	4
		Notions of Society, Culture and Values	October & November 2022	4
		Review & Problem Discussion	November & December 2022	3
Paper CC6 Classical Sociological Thought II	Max Weber	Concept of Sociology and Social Action	July & August 2022	4
		Methodology: Ideal Type, Verstehen, Value Relevance, Causality and Probability	August & September 2022	5
		Sociology of Religion and Capitalism	October & November 2022	3
		Class, Status and Power, Types of Authority, Bureaucracy, Rationalization and Disenchantment, Iron Cage of Rationality	November & December 2022	5
		Review & Problem Discussion	December 2022	3
Paper CC7 Modern Sociological Theory I	Meaning, nature and scope of sociological theory	Philosophical Orientations: Positivist	July & August 2022	4
		Hermeneutic and Critical	September & October 2022	4
		Review & Problem Discussion	November & December 2022	2
Paper SEC 1 Framing Questionnaire and Conducting Interview	Questionnaire and Interview Method	application	July & August 2022	2
		preparations before using these methods	September & October 2022	2
		Types of Questionnaires	framing a questionnaire	November & December 2022

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / ~~GENERAL~~ / GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE3 Western Sociological Thought I	Age of Revolution	The Three Revolutions- French	July & August 2022	2
		American and Industrial	August 2022	2
		Transition from Enlightenment to Revolution	September & October 2022	2
		Rise of Sociology as a Discipline	November & December 2022	3
		Review & Problem Discussion	December 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMB ER OF CLASS ES
Paper CC 12 : Research Methodol ogy I	Research Designs	Types – Longitudinal, Cross sectional, Case Study	July & August 2022	4
		Experiment, Comparative(Types, Applicability, Advantages, Limitations)	August 2022	4
		Sampling & its Types.	August & September 2022	4
		Review & Problem Discussion	September & October 2022	3
	Doing Research	Selecting a topic for research, Review of literature	September & October 2022	2
		E-Research, Writing ResearchReport	October & November 2022	2
		Ethics and Politics of Social Research	October & November 2022	2
		Review & Problem Discussion	November 2022	3
Paper DSE 2 : Sociology of Gender	Gender and Violence	Causes, Magnitude and Remedial measures of violence against women	July & August 2022	4
		femalefoeticide, female infanticide, child marriage	August 2022	4
		Dowry and bride burning, domestic violence, rape	August & September 2022	4
		Review & Problem Discussion	September & October 2022	2
	Gender and Politics	Political participation of women	September & October 2022	4
		reservation for women in political bodies	October & November 2022	3
		Review & Problem Discussion	November 2022	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC3 Introductory Sociology II	Religion and Ethnicity	Definition, Origin, and Functions of Religion	March 2023	3
		Religion, Science and Magic	April 2023	2
		Secularization, Religious Fundamentalism; Ethnicity	April & May 2023	3
		Review & Problem Discussion	May 2023	1
	Social Control, Crime, and Deviance	Social Control - Meaning, Forms and Agencies	May & June 2023	3
		Social Order and Social Conflict	June 2023	2
		Meaning of Crime, Deviance and Social Order	July &August 2023	3
		Review & Problem Discussion	August 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE2 Invitation to Sociology II	Religion	Definition and Functions of Religion	March & April 2023	3
		Religion, Science and Magic	May & June 2023	2
		Concept of Secularism,Religious Fundamentalism	July & August 2023	3
		Review & Problem Discussion	August 2023	2
	Urbanization	Concept	March & April 2023	2
		Urbanization as a process	May & June 2023	3
		Problems related to Urbanization	July & August 2023	3
		Review & Problem Discussion	August 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC8 Society in India I	India as a Plural Society	Religious, Linguistic and Cultural Diversity	March 2023	3
		Significance of Pluralism for Indian Culture: Unity in Diversity	April 2023	3
		Great Tradition and Little Tradition; Reconciling Traditional and Modern values	May & June 2023	4
		Review & Problem Discussion	May & June 2023	2
	Caste in India	Nature and Features; Varna and Jati	June & July 2023	3
		Jajmani System: Relations, Changes in Jajmani System	June & July 2023	3
		Changing Nature of Caste, Sanskritization; Dominant Caste	July & August 2023	3
		Scheduled Castes and Other Backward Classes; Caste and Class: Issues of divergence and Contradiction	July & August 2023	3
		Review & Problem Discussion	August 2023	2
	Paper CC10 Sociology in India II	G. S. Ghurye	Caste and Varna	March 2023
Changes in caste system			April 2023	3
Sanskritization, Dominant Caste			May & June 2023	3
Paper SEC 2: Project Report Writing	Project Report Writing	Village	June & July 2023	4
		Major Contributions	July & August 2023	2
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE4 Western Sociological Thought II	Max Weber	Concept of Sociology and Social Action	March & April 2023	2
		Ideal Type, Verstehen	May & June 2023	3
		Sociology of Religion and Capitalism	July & August 2023	3
		Types of Authority	July & August 2023	3
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC 13 : Research Methodology II	Quantitative Methods	Survey	February 2023	6
		Questionnaire	March & April 2023	6
		Interview_Types Application, Advantage and Limitations	May & June 2023	3
Paper CC 14 : Religion and Society	Major Religion & their Impact on India	Hinduism	February 2023	3
		Islam	February & March 2023	3
		Christianity	February & March 2023	3
		Sikhism, and Buddhism	March & April 2023	3
		Review & Problem Discussion	March & April 2023	3
	Secularism & Communalism	Concept, Nature	April & May 2023	6
		Issues & Challenges	April & May 2023	6
		Review & Problem Discussion	May & June 202.3	3
Paper DSE4 Dissertation	Dissertation	Classes & Supervision	February. March, April, May & June 202.3	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: SOCIOLOGY				
NAME OF THE TEACHER: DEBASRABA CHATTOPADHYAY (2022-2023)				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC1 Introductory Sociology I	Sociology as a Discipline	Scope and Distinctiveness of Sociology as a Social Science	August 2022	2
		Sociological Imagination; Sociology and Common Sense	August & September 2022	3
		Sociology and Social Criticism, Micro and Macro Sociology	August & September 2022	3
		Review & Problem Discussion	September & October 2022	2
	Social Stratification	Concept Social Stratification; Characteristics and Forms	October & November 2022	3
		Caste, Class and Gender	November & December 2022	3
		Changing Nature of Social Stratification today	January & February 2023	2
		Review & Problem Discussion	February 2023	2
Paper CC2 Rise of Sociology as a Discipline	Age of Revolution	The Three Revolutions- French, American and Industrial	August & September 2022	4
		Transition from Enlightenment to Revolution, Rise of Sociology as a Discipline	September & October 2022	4
		Saint Simon’s concept of Industrial Society	November & December 2022	4
		Review & Problem Discussion	January & February 2023	2

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS/ GENERAL~~ / GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE1 Invitation to Sociology I	Sociology as a Discipline	Scope and Subject Matter of Sociology	August & September 2022	3
		Scientific Claim of Sociology; Sociological Imagination	August & September 2022	3
		Relation of Sociology with other Social Sciences	September & October 2022	2
		Review & Problem Discussion	October & November 2022	2
	Social Stratification	Class and Gender	November & December 2022	3
		Review & Problem Discussion	January & February 2023	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 7 : Modern Sociological Theory I	Functionalism Theory	Introduction, Malinowski: functionalism and human needs; Functionalist theory of culture	July 2022	3
		Radcliffe-Brown: Structure and function in primitive societies	July & August 2022	3
		Talcott Parsons: Voluntaristic theory of action; social system and its functions	July & August 2022	3
		Robert Merton: middle range theory; critique of anthropological functionalism	August 2022	3
		Review & Problem Discussion	August & September 2022	3
	Conflict Theory	Introduction, Ralf Dahrendorf: Role of ICA; social change	August & September 2022	4
		Lewis Coser: Functions of social conflict	September & October 2022	4
		Frankfurt School: notion of critical theory	September & October 2022	4
		Review & Problem Discussion	October & November 2022	3
	Symbolic Interactionism	Introduction, Charles Horton Cooley: Looking glass self	October & November 2022	3
		George Herbert Mead: Self and society; stages of development of self; view of Society	October & November 2022	3
		Herbert Blumer on Symbolic Interactionism	November & December 2022	2
		Review & Problem Discussion	December 2022	2
SEC 1 : Framing Questionnaire and Conducting Interview	Interviews	Types of Interviews	August 2022	2
		preparing interview schedule	August & September 2022	1
	Data	Data Recording	September & October 2022	1
		Processing and interpretation	October & November 2022	1
	Limitations	Limitations of Questionnaire and Interview Methods	November & December 2022	2
		Review & Problem Discussion	December 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / ~~GENERAL~~ / GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE3 Western Sociological Thought I	Auguste Comte	Theory of Evolution and Progress; Hierarchy of Sciences	July & August 2022	4
		The Subject Matter and Tasks of Sociology	August 2022	3
		Social Statics and Dynamics	September & October 2022	3
		Review & Problem Discussion	November & December 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC12 Research Methodology I	Social Science Research	Scope, Nature, Significance; Types of Research	July & August 2022	4
		Field Research, Survey,Action Research	August 2022	4
		Epistemological and Ontological considerations of Research	August 2022	4
		Review & Problem Discussion	August & September 2022	3
	Important Concepts	Hypothesis (types, utilities, formulation)	August & September 2022	3
		Data (types), Operational Definition, Validity and Reliability	September & October 2022	3
		Deductive and Inductive Method	September & October 2022	3
		Qualitative and Quantitative Research	September & October 2022	3
		Review & Problem Discussion	October & November 2022	3
Paper DSE2 Sociology of Gender	Basic Concepts	Sex and Gender, Social construction of Gender	July 2022	3
		Gender socialisation, Gender roles, Gender stereotyping	July & August 2022	3
		Gender discrimination and inequality	August 2022	3
		Review & Problem Discussion	August 2022	3
	Gender and Work	Concept of work: productive and reproductive, invisibility of women’s work	August & September 2022	3
		household labour, feminisation of poverty	August & September 2022	3
		role-conflict of women	September & October 2022	3
		Review & Problem Discussion	September & October 2022	3
	Feminism	Major Orientations of Feminist Theories	September & October 2022	6
		Liberal, Radical, and Socialist	October & November 2022	6
		Review & Problem Discussion	November 2022	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC4 Classical Sociological Thought I	Émile Durkheim	Division of Labour, Law and Social Change, Suicide	March 2023	3
		Rules of Sociological Method,	April 2023	3
		Sociology of Religion	May & June 2023	3
		Individual and Society, Conception of State	July 2023	3
		Functionalist Explanation	July &August 2023	3
		Review & Problem Discussion	August 2023	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE2 Invitation to Sociology II	Social Control	Social Control - Meaning, Forms and Agencies	March & April 2023	3
		Media and Social Control	May & June 2023	3
		Deviance andSocial Control	July & August 2023	2
		Review & Problem Discussion	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC9 Modern Sociological Theory II	Exchange Theory	Introduction, George Homans: Basic postulates	March 2023	4
		Peter Blau: structure and exchange	March 2023	4
		power relations in exchange	April 2023	2
		Review & Problem Discussion	April 2023	2
	Phenomenology and Ethnomethodology	Introduction to Phenomenology: Ideas of Husserl; AlfredSchutz: inter-subjectivity; life-world	April & May 2023	5
		Harold Garfinkel: ethno-methods, notion and types	April & May 2023	5
		Review & Problem Discussion	May & June 2023	2
	Feminist Theory	Introduction	May & June 2023	5
		Different types of Feminism: Liberal, Radical and Socialist	June & July 2023	5
		Review & Problem Discussion	June & July 2023	2
	Post-modernism	Introduction, Michel Foucault: Knowledge and power	July & August 2023	4
		Forms of power in modern society and the role of human sciences	July & August 2023	4
		Zygmunt Bauman: Postmodern culture	August 2023	4
		Review & Problem Discussion	August 2023	2
Paper SEC 2: Project Report Writing	Project Report Writing	Interpretation of Tables, Graphical Representation of Data, Use of Photographs, Case History	March, April & May 2023	3
		Ethical Issues; Referencing the Works of Others	June & July 2023	3
		Review & Problem Discussion	July & August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / ~~GENERAL~~ / GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper GE4 Western Sociological Thought II	Émile Durkheim	Division of Labour, Suicide	March & April 2023	4
		Sociology of Religion	May & June 2023	4
		Individual and Society	July & August 2023	3
		Review & Problem Discussion	July & August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Paper CC 13 : Research Methodology II	Quantitative Methods	Survey, Questionnaire	February 2023	4
		Interview - Types, Application	February 2023	4
		Advantages and Limitations	February & March 2023	4
		Review & Problem Discussion	February & March 2023	3
	Qualitative Methods	Observation (Participant, Non- Participant), In-depth Interview	March 2023	5
		Focus Group Discussion, Ethnography	March 2023	4
		Documentary Research & Content Analysis, Case Study	March & April 2023	4
		Review & Problem Discussion	March & April 2023	3
	Statistics 1	Statistics – types (Descriptive and Inferential, Parametric and Non- Parametric)	April 2023	4
		Role of Statistics in Social Science research	April 2023	3
		Frequency distribution and Graphical representation of data	April & May 2023	3
		Percentage Calculation from Table and interpretation.	April & May 2023	3
		Review & Problem Discussion	May 2023	3
	Statistics 2	Central Tendency: Mean, Median, Mode	May 2023	3
		Percentiles; Measures of Dispersion	May & June 2023	3
		Types, Range ,Quartile	May & June 2023	3
		Standard Deviation	June 2023	2
		Review & Problem Discussion	June 2023	2
Paper DSE4 Dissertation	Dissertation	Classes & Supervision	February. March, April, May & June 202.3	4

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: GEOGRAPHY				
NAME OF THE TEACHER: ATREYA PAUL				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC1 GEOMRPHOLOGY	UNIT 1	1, 2, 3, 4		8
CC2 Cartographic Techniques and Geological Map Study	UNIT 1	2		3

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 6 (Theory) – Statistical Methods in Geography	UNIT 2	Unit 21. Central tendency: Mean, median, mode, partition values 2. Measures of dispersion range, mean deviation, standard deviation, coefficient of variation 3. Association and correlation: Rank correlation, product moment correlation 4. Linear Regression and time series analysis		8
CC 6 (Practical) – Statistical Methods in Geography		1. Construction of data matrix with each row representing an aerial unit (districts / blocks / mouzas / towns) and corresponding columns of relevant attributes. 2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted. 3. Histograms and frequency curve would be prepared on the dataset. 4. Based on of the sample set and using two relevant attributes, a scatter diagram and regression line would be plotted and residual from regression would be mapped with a short interpretation. *A Project File, comprising one exercise each is to be submitted		10

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 11 : RESEARCH METHODOLOGY AND FIELD WORK	Unit 1: Research Methodology	1. Research in Geography: Meaning, types and significance 2. Significance of Literature review in research 3. Defining research problem, objectives and hypothesis. Research materials and methods 4. Techniques of writing scientific reports: Preparing notes, references, bibliography		8

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED
SESSION: 2022-2023	COURSE TYPE: HONOURS/ GENERAL/ GENERIC
SEMESTER: II	

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED
ACADEMIC SESSION: 2022-2023	COURSE TYPE: HONOURS/ GENERAL/ GENERIC
SEMESTER: IV	

[illegible]

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE - 3 (Theoretical) : RESOURCE GEOGRAPHY	Unit: 1	1. Resource Geography: Its Importance and relation with other sub-disciplines 2. Resource: Concept and Classification 3. Functional Theory of Resource 4. Problems of Resource Depletion with Special Reference to Forest, Water and Fossil Fuels 5. Resource Conservation : Principles and Methods 6. Concept of 'Limits to Growth'		10

[illegible]

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: GEOGRAPHY				
NAME OF THE TEACHER: Dr. Ayan Das Gupta				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASSES: 09.02.23	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 1	Geo tectonic and Geomorphology	Earth’s tectonic and structural evolution with reference to geological time scale	August	4
CC 1	Geo tectonic and Geomorphology	Earth’s interior with special reference to seismology. Concept of Isostasy: Theories of Airy and Pratt	September-October	10
CC 1	Geo tectonic and Geomorphology	Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms	November	8
CC 1	Geo tectonic and Geomorphology	Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms	December	4

CC 1	Geo tectonic and Geomorphology	Earth's interior with special reference to seismology. Concept of Isostasy: Theories of Airy and Pratt	January	10
CC 1	Geo tectonic and Geomorphology	Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms	February	6

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022

DATE OF DISSOLUTION OF CLASSES: 26.12.22

**ACADEMIC SESSION:
2022-2023**

**PROGRAM TYPE:
HONOURS/ GENERAL/ GENERIC**

SEMESTER: III

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 5	Unit 1: Elements of the Atmosphere	1. Nature, composition and layering of the atmosphere 2. Insolation: controlling factors. Heat budget of the atmosphere.	July- August	12
CC 5	Unit 1: Elements of the Atmosphere	3.Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences	September	8
CC 5	Unit 1: Elements of the Atmosphere	4. Greenhouse effect and importance of ozone layer	October	6
CC7	Unit 1. Geography Of India	1. Geology and physiographic divisions 2. Climate, soil and vegetation: Characteristics and classification	November	8

		3. Population: Distribution, growth, structure and policy 4. Distribution of population by race, caste, religion, language, tribe	December	10
DATE OF COMMENCEMENT OF CLASSES: 25.07.22		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12	Remote Sensing and GIS	Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RS satellites, sensors and platforms	July-August	8
CC-12	Remote Sensing and GIS	EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS	September	8
CC-12	Remote Sensing and GIS	Principles of False Colour Composites (FCC) from IRS LISS-III and Landsat Images (ETM+) data: Image Processing, Pre-processing; Enhancement; Classification.	October	4
CC-12	Remote Sensing and GIS	Principles of image interpretation for Forest, Water and Soil	November	10

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: *****		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 4	Theory - Cartograms, Survey and Thematic Mapping	Basic concepts of surveying and survey equipment: Abneys Level, Clinometer	March	4

		Basic concepts of surveying and survey equipment: Abneys Level, Clinometer	April	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES:	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9	Economic Geography	Tertiary Activities: Types of Trade and Services	March-April	20
CC-9	Economic Geography	Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe	May	4
CC-9	Economic Geography	Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe	June	4
CC-9	Economic Geography	Highways: Roles in Economic Development of India since 1990s	July	4
CC-9	Economic Geography	Highways: Roles in Economic Development of India since 1990s	August	4
CC-9	Economic Geography	. International Trade Blocs: WTO and OPEC	September	4
CC-9	Economic Geography	. International Trade Blocs: WTO and OPEC	October	4

		. International Trade Blocs: WTO and OPEC	November	4

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.23		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12	REMOTE SENSING AND GIS	Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RS satellites, sensors and platforms.	February	8
CC-12	REMOTE SENSING AND GIS	EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS	March	8
CC-12	REMOTE SENSING AND GIS	EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS	April	10
CC-12	REMOTE SENSING AND GIS	Principles of False Colour Composites (FCC) from IRS LISS-III and Landsat Images (ETM+) data: Image Processing, Pre-processing; Enhancement; Classification.	May	8
CC-12	REMOTE SENSING AND GIS	Principles of image interpretation for Forest, Water and Soil	June	8
CC-12	REMOTE SENSING AND GIS	Principles of image interpretation for Forest, Water and Soil	June	8

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: Geography				
NAME OF THE TEACHER: Debasmita Biswas				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC2 (Theory) – CartographicTechniques and Geological map study	NA	1. Maps: Classification and Types. Components of a Map	September, 2022	3
CC2 (Theory) – CartographicTechniques and Geological map study	NA	3. Coordinate Systems: Polar and Rectangular. Concept of Geoid and Spheroid. Map Projections: Classification, Properties and Uses. Concept and Significance of UTM Projection	December, 2022	4
CC2 (Theory) – CartographicTechniques and Geological map study	NA	4. Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement	January, 2023	3

CC2 (Practical) – Cartographic Techniques and Geological map study2 Credits	NA	2. Construction of Projections: Polar Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne’s and Mercator’s	February, 2023	3
CC2 (Practical) – Cartographic Techniques and Geological map study2 Credits	NA	2. Construction of Projections: Polar Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne’s and Mercator’s	February, 2023	3
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 5 (Theory) – Climatology	Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification	5. Circulation in the atmosphere: Planetary winds, jet stream and monsoons	July, 2022	1
CC 5 (Theory) – Climatology	Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification	5. Circulation in the atmosphere: Planetary winds, jet stream and monsoons	August, 2022	2
CC 5 (Theory) – Climatology	Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification	6. Tropical and mid- latitude cyclones	November, 2022	2
CC 7 – Geography of India	Unit 1: Geography of India	5. Agricultural regions, Green revolution and its consequences	December, 2022	2

CC 7 – Geography of India	Unit 1: Geography of India	6. Mineral and power resources distribution and utilisation of iron ore, coal, petroleum	December, 2022	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 11 (Practical) RESEARCH METHODOLOGY AND FIELD WORK	NA	NA	July, 2022 - November, 2022	8

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC4 (Theory) – Cartograms, Survey and Thematic Mapping	NA	5. Concepts of Bearing: magnetic and true, whole- circle and reduced	March, 2023	1
CC4 (Theory) – Cartograms, Survey and Thematic Mapping	NA	7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite	April, 2023	2
CC4 (Practical) – Cartograms, Survey and Thematic Mapping	NA	3. Contouring by Dumpy Level and Prismatic Compass	May, 2023	2

CC4 (Practical) – Cartograms, Survey and Thematic Mapping	NA	4. Determination of Height of objects using Transit Theodolite (Accessible and Inaccessible bases)	June, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC9 – Economic Geography	Unit 2: Economic Activities	1. Concept and Classification of Economic Activities	March, 2023	1
CC9 – Economic Geography	Unit 2: Economic Activities	2. Location Theories: Von Thünenand Alfred Weber	April, 2023	2
CC9 – Economic Geography	Unit 2: Economic Activities	3. Primary Activities: Subsistence and Commercial Agriculture; Forestry; Fishing	May, 2023	1
CC9 – Economic Geography	Unit 2: Economic Activities	4. Secondary Activities: Manufacturing (Iron and Steel in India and Japan, Petrochemical in India and USA)	June, 2023	2
CC 10 – Environmental Geography	Environmental Issues	4. Environmental Degradation and Pollution: Water and Air	July, 2023	3
CC 10 – Environmental Geography	Environmental Issues	5. Environmental Issues related to Agriculture	August, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
NA	NA	NA	NA	

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: Geography (Honours)				
NAME OF THE TEACHER: Dr.Gunadhar Manna				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC7-GEOGRAPHY OF INDIA	UNIT 1:GEOGRAPHY OF INDIA	5.AGRICULTURAL REGIONS, GREEN REVOLUTION AND ITS CONSEQUENCES	JULY & AUGUST	6
CC7-GEOGRAPHY OF INDIA	UNIT 1:GEOGRAPHY OF INDIA	6.MINERAL AND POWER RESOURCES DISTRIBUTION AND UTILIZATION OF IRON ORE, COAL , PETROLEUM	AUGUST	6
CC7-GEOGRAPHY OF INDIA	UNIT 1:GEOGRAPHY OF INDIA	7.INDUSTRIAL DEVELOPMENT SINCE INDEPENDENCE	SEPTEMBER	3
CC7-GEOGRAPHY OF INDIA	UNIT 1:GEOGRAPHY OF INDIA	8.REGIONALISATION OF INDIA: VIEWS OF SPATE AND BHATT	SEPTEMBER	5

CC7-GEOGRAPHY OF INDIA	UNIT 2: GEOGRAPHY OF WEST BENGAL	1.PHYSICAL PERSPECTIVE:PHYSIOGRAPHIC DIVISIONS,FORESTS AND WATER RESOURCES	SEPTEMBER OCTOBER	5
CC7-GEOGRAPHY OF INDIA	UNIT 2: GEOGRAPHY OF WEST BENGAL	2.POPULATION:GROWTH,DISTRIBUTION AND HUMAN DEVELOPMENT	OCTOBER NOVEMBER	5
CC7-GEOGRAPHY OF INDIA	UNIT 2: GEOGRAPHY OF WEST BENGAL	3.RESOURCES: MINING, AGRICULTURE AND INDUSTRIES	NOVEMBER	3
CC7-GEOGRAPHY OF INDIA	UNIT 2: GEOGRAPHY OF WEST BENGAL	4.REGIONAL DEVELOPMENT:DARJEELING HILLS AND SUNDARBAN	DECEMBER	6
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC11:RESEARCH METHODOLOGY AND FIELD WORK	UNIT 2: FIELD WORK	1.FIELDWORK IN GEOGRAPHICAL STUDIES- ROLE AND SIGNIFICANCE ,SELECTION OF STUDY AREA AND OBJECTIVES	JULY ,AUGUST	3
CC11:RESEARCH METHODOLOGY AND FIELD WORK	UNIT 2: FIELD WORK	2.FIELD TECHNIQUES AND TOOLS:QUESTIONNAIRE(OPEN,CLOSED,STRUCTURED,NON-STRUCTURED),INTERVIEW WITH SPECIAL REFERENCE TO FOCUSED GROUP DISCUSSIONS	AUGUST,SEPTEMBER	10
CC11:RESEARCH METHODOLOGY AND FIELD WORK	UNIT 2: FIELD WORK	3.FIELD TECHNIQUES AND TOOLS: LANDSCAPE SURVEY USING TRANSECTS AND QUADRANTS,CONSTRUCTING A SKETCH,PHOTO AND VIDEO RECORDING	OCTOBER,NOVEMBER	6
CC11:RESEARCH METHODOLOGY AND FIELD WORK	UNIT 2: FIELD WORK	4.COLLECTION OF SAMPLES,PREPARATION OF INVENTORY FROM FIELD DATA,POST FIELD TASKS	NOVEMBER	5

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED
SESSION: 2022-2023	COURSE TYPE: HONOURS

SEMESTER: II

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC3:HUMAN GEOGRAPHY	UNIT 2:SOCIETY,DEM OGRAPHY AND EKISTICS	5.HUMAN POPULATION AND ENVIRONMENT RELATIONS WITH SPECIAL REFERENCE TO DEVELOPMENT- ENVIRONMENT CONFLICT	MARCH	5
CC3:HUMAN GEOGRAPHY	UNIT 2:SOCIETY,DEM OGRAPHY AND EKISTICS	6.SOCIAL MORPHOLOGY AND RURAL HOUSE TYPES IN INDIA	MARCH,APRIL	6
CC3:HUMAN GEOGRAPHY	UNIT 2:SOCIETY,DEM OGRAPHY AND EKISTICS	7.TYPES AND PATTERNS OF RURAL SETTLEMENTS	APRIL	5
CC3:HUMAN GEOGRAPHY	UNIT 2:SOCIETY,DEM OGRAPHY AND EKISTICS	8.FUNCTIONAL CLASSIFICATION OF URBAN SETTLEMENTS	MAY	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED
ACADEMIC SESSION: 2022-2023	COURSE TYPE: HONOURS

SEMESTER: IV

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC9:ECONOMIC GEOGRAPHY	UNIT1: CONCEPTS AND APPROACHES	1.MEANING AND APPROACHES TO ECONOMIC GEOGRAPHY	MARCH	6
CC9:ECONOMIC GEOGRAPHY	UNIT1: CONCEPTS AND APPROACHES	2.CONCEPTS IN ECONOMIC GEOGRAPHY; GOODS; SERVICES; CONSUMPTION	MARCH	4
CC9:ECONOMIC GEOGRAPHY	UNIT1: CONCEPTS AND APPROACHES	3.FACTORS INFLUENCING LOCATION OF ECONOMIC ACTIVITY AND FORCES OF AGGLOMERATION	APRIL	6

CC9:ECONOMIC GEOGRAPHY	UNIT1: CONCEPTS AND APPROACHES	4.DETERMINING FACTORS OF TRANSPORT COST	MAY	2
DATE OF COMMENCEMENT OF CLASSES:		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC13:EVOLUTION OF GEOGRAPHICAL THOUGHT	UNIT1	1.DEFINITION,SCOPE AND CONTENT OF GEOGRAPHY;GEOGRAPHY AS A SPATIAL SCIENCE	FEBRUARY	6
CC13:EVOLUTION OF GEOGRAPHICAL THOUGHT	UNIT1	2.GEOGRAPHY IN ANCIENT PERIOD :GREEK AND ROMAN	MARCH	6
CC13:EVOLUTION OF GEOGRAPHICAL THOUGHT	UNIT1	3.DEVELOPMENT OF GEOGRAPHYIN MEDIEVAL PERIOD:ARABIAN	APRIL	5
CC13:EVOLUTION OF GEOGRAPHICAL THOUGHT	UNIT1	4.DEVELOPMENT OF MAPPING AND KNOWLEDGE ABOUT THE WORLD REGIONAL GEOGRAPHY IN THE AGE OF EXPLORATIONS	APRIL,MAY	8
CC13:EVOLUTION OF GEOGRAPHICAL THOUGHT	UNIT1	5. CLASSICAL GEOGRAPHY IN 19 TH CENTURY: HUMBOLDT, RITTER	MAY	6
CC13:EVOLUTION OF GEOGRAPHICAL THOUGHT	UNIT1	6.QUANTITATIVE REVOLUTION AND ITS CRITIQUE	JUNE	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: GEOGRAPHY				
NAME OF THE TEACHER: Dr. Moitrayee Das				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASSES: 09.02.23	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 1	Geo tectonic and Geomorphology	Earth’s tectonic and structural evolution with reference to geological time scale	August	4
CC 1	Geo tectonic and Geomorphology	Earth’s interior with special reference to seismology. Concept of Isostasy: Theories of Airy and Pratt	September-October	10
CC 1	Geo tectonic and Geomorphology	Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms	November	8
CC 1	Geo tectonic and Geomorphology	Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms	December	4

CC 1	Geo tectonic and Geomorphology	Earth's interior with special reference to seismology. Concept of Isostasy: Theories of Airy and Pratt	January	10
CC 1	Geo tectonic and Geomorphology	Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms	February	6

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022

DATE OF DISSOLUTION OF CLASSES: 26.12.22

**ACADEMIC SESSION:
2022-2023**

**PROGRAM TYPE:
HONOURS/ GENERAL/ GENERIC**

SEMESTER: III

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 5	Unit 1: Elements of the Atmosphere	1. Nature, composition and layering of the atmosphere 2. Insolation: controlling factors. Heat budget of the atmosphere.	July- August	12
CC 5	Unit 1: Elements of the Atmosphere	3. Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences	September	8
CC 5	Unit 1: Elements of the Atmosphere	4. Greenhouse effect and importance of ozone layer	October	6
CC7	Unit 1. Geography Of India	1. Geology and physiographic divisions 2. Climate, soil and vegetation: Characteristics and classification	November	8

CC7	Unit 1. Geography Of India	3. Population: Distribution, growth, structure and policy 4. Distribution of population by race, caste, religion, language, tribe	December	10
DATE OF COMMENCEMENT OF CLASSES: 25.07.22		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12	Remote Sensing and GIS	Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RS satellites, sensors and platforms	July-August	8
CC-12	Remote Sensing and GIS	EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS	September	8
CC-12	Remote Sensing and GIS	Principles of False Colour Composites (FCC) from IRS LISS-III and Landsat Images (ETM+) data: Image Processing, Pre-processing; Enhancement; Classification.	October	4
CC-12	Remote Sensing and GIS	Principles of image interpretation for Forest, Water and Soil	November	10

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES:		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 4	Theory – Cartograms, Survey and Thematic Mapping	Basic concepts of surveying and survey equipments: Abneys Level, Clinometer	March	4

CC 4	Theory – Cartograms, Survey and Thematic Mapping	Basic concepts of surveying and survey equipments: Abneys Level, Clinometer	April	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES:	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9	Economic Geography	Tertiary Activities: Types of Trade and Services	March-April	20
CC-9	Economic Geography	Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe	May	4
CC-9	Economic Geography	Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe	June	4
CC-9	Economic Geography	Highways: Roles in Economic Development of India since 1990s	July	4
CC-9	Economic Geography	Highways: Roles in Economic Development of India since 1990s	August	4
CC-9	Economic Geography	. International Trade Blocs: WTO and OPEC	September	4
CC-9	Economic Geography	. International Trade Blocs: WTO and OPEC	October	4

CC-9	Economic Geography	. International Trade Blocs: WTO and OPEC	November	4
CC-9	Economic Geography			

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.23		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12	REMOTE SENSING AND GIS	Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RS satellites, sensors and platforms.	February	8
CC-12	REMOTE SENSING AND GIS	EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS	March	8
CC-12	REMOTE SENSING AND GIS	EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS	April	10
CC-12	REMOTE SENSING AND GIS	Principles of False Colour Composites (FCC) from IRS LISS-III and Landsat Images (ETM+) data: Image Processing, Pre-processing; Enhancement; Classification.	May	8
CC-12	REMOTE SENSING AND GIS	Principles of image interpretation for Forest, Water and Soil	June	8

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: GEOGRAPHY				
NAME OF THE TEACHER: TONUKA DEY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC 2- Theory (Cartographic Techniques and Geological Map Study)	CC2 (Theory) – Cartographic Techniques and Geological map study	Survey of India Topographical Maps: Reference scheme of Old and Open series	SEPTEMBER, 2022	1
CC 2- Theory (Cartographic Techniques and Geological Map Study)	CC2 (Theory) – Cartographic Techniques and Geological map study	Delineation of Drainage Basin from Survey of India Topographical Map. Concept of Relief, Slope and Stream Order.	NOVEMBER, 2022	1
CC 2- Theory (Cartographic Techniques and Geological Map Study)	CC2 (Theory) – Cartographic Techniques and Geological map study	Types of rocks and minerals. Characteristics of Granite, Basalt, Dolerite, Pegmatite, Gneiss, Shale, Sandstone, Slate, Marble, Quartzite, Quartz, Feldspar, Mica, Limestone, Calcite, Bauxite, Magnetite, Hematite, Galena	DECEMBER, 2022	1

CC 2- Theory (Cartographic Techniques and Geological Map Study)	CC2 (Theory) – Cartographic Techniques and Geological map study	Construction and Interpretation of Relief Profiles (Superimposed, Projected and Composite),Preparation of Relative Relief Map, Slope map (Wentworth), and Stream Ordering(Strahler) on a Drainage Basin	JANUARY, 2023	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CORE COURSE (CC5) CLIMATOLOGY	Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification	Evidences and causes of climate change	AUGUST, 2022	1
CORE COURSE (CC5) CLIMATOLOGY	Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification	Climatic classification after Köppen, Thornthwaite (1948)	SEPTEMBER, 2022	1
CC 7 – Theory (Geography of India)	Unit 1: Geography of India	Geology and physiographic divisions	OCTOBER, 2022	1
CC 7 – Theory (Geography of India)	Unit 1: Geography of India	Climate, soil and vegetation: Characteristics and classification	NOVENMBER, 2022	1
CC 7 – Theory (Geography of India)	Unit 1: Geography of India	Agricultural regions, Green revolution and its consequences	DECEMBER, 2022	1

CC 7 – Theory (Geography of India)	Unit 1: Geography of India	Mineral and power resources distribution and utilisation of iron ore, coal, petroleum	JANUARY, 2023	1
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-1- Theory (Urban Geography)	Unit-1	1.Urban Geography: Nature, Scope and Approaches	SEPTEMBER, 2022	1
DSE-1- Theory (Urban Geography)	Unit-1	Development of Urban Geography and its Recent Trends	SEPTEMBER, 2022	1
DSE-1- Theory (Urban Geography)	Unit-1	Urban Economy: Basic and Non-Basic Concepts	OCTOBER, 2022	1
DSE-1- Theory (Urban Geography)	Unit-1	Concept of Settlement Hierarchy; Christaller’s Central Place Theory	OCTOBER, 2022	1
DSE-1- Theory (Urban Geography)	Unit-1	Rank Size Rule; Concept of Primate City	NOVEMBER, 2022	1
DSE-1- Theory (Urban Geography)	Unit-1	Theories of City Structure: Concentric Zone Theory, Sector Theory and Multiple Nuclei Theory	NOVEMBER, 2022	1
DSE-2- Theory (Population Geography)	Unit 2	Population Composition and Characteristics: Age-Sex; Female-Male Ratio	NOVEMBER, 2022	1
DSE-2- Theory (Population Geography)	Unit 2	Measures of Fertility and Mortality	SEPTEMBER, 2022	1

DSE-2- Theory (Population Geography)	Unit 2	Population Composition of India: Rural and Urban, Occupational Structure as per Census of India	OCTOBER, 2022	1
DSE-2- Theory (Population Geography)	Unit 2	Migration: Theories, Causes and Types	NOVEMBER, 2022	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CORE COURSE (CC4) CARTOGRAMS, SURVEY AND THEMATIC MAPPING	CC4 (Theory) – Cartograms, Survey and Thematic Mapping	Concepts of Cartograms and Thematic Maps	MARCH, 2023	1
CORE COURSE (CC4) CARTOGRAMS, SURVEY AND THEMATIC MAPPING	CC4 (Theory) – Cartograms, Survey and Thematic Mapping	Concept and utility of Isopleths and Choropleth,	APRIL, 2023	1
CORE COURSE (CC4) CARTOGRAMS, SURVEY AND THEMATIC MAPPING	CC4 (Theory) – Cartograms, Survey and Thematic Mapping	Concept, utility, and interpretation of :Climograph, Hythergraph and Ergograph	APRIL, 2023	1
CORE COURSE (CC4) CARTOGRAMS, SURVEY AND THEMATIC MAPPING	CC4 (Theory) – Cartograms, Survey and Thematic Mapping	Preparation and interpretation of demographic charts and diagrams (Age-Sex Pyramid)	MAY, 2023	1
CORE COURSE (CC4) CARTOGRAMS, SURVEY AND THEMATIC MAPPING	CC4 (Practical) – Cartograms, Survey and Thematic Mapping	Diagrammatic representation of data: Star and Age-sex pyramid diagram, pie diagram	JUNE, 2023	1

CORE COURSE (CC4) CARTOGRAMS, SURVEY AND THEMATIC MAPPING	CC4 (Practical) – Cartograms, Survey and Thematic Mapping	Representation of data on map by proportional circles, dots and spheres, isolines and Choropleth method.	JUNE, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC8 (Theoretical) : REGIONAL PLANNING AND DEVELOPMENT	Unit 2: Regional Development	Development: Meaning, Growth versus Development	APRIL, 2023	1
CC8 (Theoretical) : REGIONAL PLANNING AND DEVELOPMENT	Unit 2: Regional Development	Models for Regional Development: Growth Pole (Perroux) and Core Periphery (Hirschman)	APRIL, 2023	1
CC8 (Theoretical) : REGIONAL PLANNING AND DEVELOPMENT	Unit 2: Regional Development	Model for Regional Development in India: Growth Foci (R.P.Misra)	MAY, 2023	1
CC8 (Theoretical) : REGIONAL PLANNING AND DEVELOPMENT	Unit 2: Regional Development	Concept of Regional Inequality and Disparity	JUNE, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 (Theory) EVOLUTION OF GEOGRAPHICAL THOUGHT	Unit: 2	German School of Thought	MARCH, 2023	1
CC-13 (Theory) EVOLUTION OF GEOGRAPHICAL THOUGHT	Unit: 2	French School of Thought	APRIL, 2023	1
CC-13 (Theory) EVOLUTION OF GEOGRAPHICAL THOUGHT	Unit: 2	American School of Thought	MAY, 2023	1
CC-13 (Theory) EVOLUTION OF GEOGRAPHICAL THOUGHT	Unit: 2	Indian Contribution to Geography	APRIL, 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION : 2022-2023		COURSE TYPE : UG HONOURS		
UG SEMESTER: IV		Mithu Halder		
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code : CC-8 Course Title : Regional Planning and Development	Unit-2 Regional Development	Human Development : Significance, Indicators and Mesurement	March	2
		Status of Regional Imbalances in India	April	2
		Strategies for Regional Development in India	April	2
		NITI Aayog and its Function	May	2
Course Code : CC-10 Course Title : Environmental Geography	Theoretical : Environmental Issues	Geographers' Approach to Environmental Studies	April	1
		Changes in Perception of Environment in different stages of Human Civilization	April	1
		Ecosystem : Concept, Structure and Functions	May	3
		Environmental Degradation and Pollution : Water and Air	May	2
		Environmental Issues related to Agriculture	June	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION : 2022-2023		COURSE TYPE : UG HONOURS		
UG SEM ESTE R: VI				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONT H	NUMBE ROF CLASSE S
Course Code : CC-13 Course Title : Evolution of Geographical Thought	Unit-2	Concept Of Determinism, Possibilism and Neo-Determinism	Februa ry	2
		Approaches to the Study OfGeography : Systematic and Regional	March	2
Course Code : CC-14 Course Title : Disaster Management	Unit-2	Earthquake : Factors, Vulnerability,Consequences and Management	Februa ry	2
		Landslide : Factors, Vulnerability,Consequences and Management	Februa ry	2
		Cyclone : Factors, Vulnerability, Consequences and Management	April	2
		Fire : Factors, Vulnerability, Consequences and Management	April	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: MATHEMATICS				
NAME OF THE TEACHER: PRANAB KUMAR ADHIKARI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-1)	HYPERBOLIC FUNCTIONS	AUGUST 2022	1
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-1)	LEIBNITZ RULE WITH SOME PROBLEMS	AUGUST 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-1)	CONCAVITY & INFLECTION POINTS	SEPTEMBER 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-1)	ENVELOPE & ASYMPTOTE	SEPTEMBER 2022	4
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-1)	CURVE TRACING, L HOSPITALS RULE WITH SOME APPLICATIONS	NOVEMBER 2022	3

CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-2)	REDUCTION FORMULA WITH SOME DERIVATION& ILLUSTRATIONS	NOVEMBER 2022	4
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-2)	PARAMETRIC EQUATIONS & PARAMETRIZING A CURVE	DECEMBER 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-2)	ARC LENGTH , SOME PROBLEMS RELATED TO FINDING ARC LENGTH	DECEMBER 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-2)	AREA OF SURFACE OF REVOLUTION	JANUARY 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	CALCULUS (UNIT-2)	LEARNING TECHNIQUES OF SKETCHING PARA METRIC CURVES(CYCLOID ETC)	JANUARY 2022	2
GE-1,CC-1A/1B/1C	DIFFERENTIAL CALCULUS	LIMIT AND CONTINUITY	AUGUST 2022	4
GE-1,CC-1A/1B/1C	DIFFERENTIAL CALCULUS	DIFFERENT TYPES OF DISCONTINUITY DIFFERENTIABILITY OF FUNCTIONS	SEPTEMBER 2022	6
GE-1,CC-1A/1B/1C	DIFFERENTIAL CALCULUS	HIGHER ORDER DERIVATIVES USING LEIBNITZ RULE	SEPTEMBER 2022	3

GE-1,CC-1A/1B/1C	DIFFERENTIAL CALCULUS	PARTIAL DIFFERENTIATIONS , HOMOGENEOUS FUNCTION, EULERS THEOREM	NOVEMBER 2022	5
GE-1,CC-1A/1B/1C	DIFFERENTIAL CALCULUS	TRACING OF CURVES, PARAMETRIC REPRESENTATION OF CURVES AND TRACING OF PARAMETRIC CURVES.	DECEMBER 2022	4
GE-1,CC-1A/1B/1C	DIFFERENTIAL CALCULUS	POLAR COORDINATES AND TRACING OF CURVES IN POLAR COORDINATES , ASYMPTOTE	JANUARY 2022	6
GE-1,CC-1A/1B/1C	DIFFERENTIAL CALCULUS	SINGULAR POINTS OF A CURVE	FEBRUARY 2022	2

DATE OF COMMENCEMENT OF CLASSES:
25.07.2022

DATE OF DISSOLUTION OF CLASSES:
26.12.2022

ACADEMIC SESSION:
2022-2023

PROGRAM TYPE:
HONOURS/ GENERAL/ GENERIC

SEMESTER: III

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-4 INTRODUCTION TO METRIC SPACES	METRIC SPACES: DEFINITIONS AND EXAMPLES	JULY 2022	2
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-4 INTRODUCTION TO METRIC SPACES	OPEN AND CLOSED BALLS, NEIGHBOURHOOD , OPEN SET, INTERIOR OF A SET	AUGUST 2022	2

CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-4 INTRODUCTION TO METRIC SPACES	LIMIT POINT OF A SET, CLOSED SET, DIAMETER OF A SET	SEPTEMBER 2022	2
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-4 INTRODUCTION TO METRIC SPACES	SUBSPACES, DENSE SET	NOVEMBER 2022	2
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-4 INTRODUCTION TO METRIC SPACES	SEPARABLE SPACES	DECEMBER 2022	2
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-1 LINEAR PROGRAMMING	UNIT-1	INTRODUCTION TO LINEAR PROGRAMMING PROBLEM.	JULY 2022	3
DSE-1 LINEAR PROGRAMMING	UNIT-1	THEORY OF SIMPLEX METHOD, GRAPHICAL SOLUTION,	AUGUST 2022	4
DSE-1 LINEAR PROGRAMMING	UNIT-1	CONVEX SETS, OPTIMALITY AND UNBOUNDEDNESS	AUGUST 2022	4
DSE-1 LINEAR PROGRAMMING	UNIT-1	THE SIMPLEX ALGORITHM, SIMPLEX METHOD IN TABLEAU FORMAT.	SEPTEMBER 2022	5
DSE-1 LINEAR PROGRAMMING	UNIT-1	INTRODUCTION TO ARTIFICIAL VARIABLES, TWO-PHASE METHOD. BIG-M METHOD AND THEIR COMPARISON.	SEPTEMBER 2022	6

DSE-1 LINEAR PROGRAMMING	UNIT-2	DUALITY, FORMULATION OF THE DUAL PROBLEM, PRIMAL - DUAL RELATIONSHIPS, ECONOMIC INTERPRETATION OF THE DUAL	NOVEMBER 2022	8

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-03	UNIT-1 REAL ANALYSIS	REVIEW OF ALGEBRAIC AND ORDER PROPERTIES OF R, NEIGHBOURHOOD OF A POINT IN R.	MARCH 2023	2
CC-03	UNIT-1 REAL ANALYSIS	IDEA OF COUNTABLE SETS, UNCOUNTABLE SETS AND UNCOUNTABILITY OF R.	MARCH 2023	2
CC-03	UNIT-1 REAL ANALYSIS	BOUNDED ABOVE SETS, BOUNDED BELOW SETS, BOUNDED SETS, UNBOUNDED SETS. SUPREMA AND INFIMA.	APRIL 2023	5
CC-03	UNIT-1 REAL ANALYSIS	COMPLETENESS PROPERTY OF R	MAY 2023	2
CC-03	UNIT-1 REAL ANALYSIS	THE ARCHIMEDEAN PROPERTY, DENSITY PROPERTYOF RATIONAL & IRRATIONAL NUMBERS IN R, INTERVALS.	MAY 2023	4
CC-03	UNIT-1 REAL ANALYSIS	LIMIT POINTS OF A SET, ISOLATED POINTS , OPEN SET, CLOSED SET, DERIVED SET	JUNE 2023	4

CC-03	UNIT-1 REAL ANALYSIS	ILLUSTRATIONS OF BOLZANO-WEIERSTRASS THEOREM FOR SETS, LIMIT POINTS OF A SET, ISOLATED POINTS	JUNE 2023	3
CC-03	UNIT-1 REAL ANALYSIS	OPEN SET, CLOSED SET, DERIVED SET, ILLUSTRATIONS OF BOLZANO-WEIERSTRASS THEOREM FOR SETS.	JULY 2023	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-08 RIEMANIAN INTEGRATION & SERIES OF FUNCTION	UNIT-1 RIEMANIAN INTEGRATION	RIEMANN INTEGRATION: INEQUALITIES OF UPPER AND LOWER SUMS	MARCH 2023	2
CC-08 RIEMANIAN INTEGRATION & SERIES OF FUNCTION	UNIT-1 RIEMANIAN INTEGRATION	DARBAUX INTEGRATION, DARBAUX THEOREM.	MARCH 2023	2
CC-08 RIEMANIAN INTEGRATION & SERIES OF FUNCTION	UNIT-1 RIEMANIAN INTEGRATION	RIEMANN CONDITIONS OF INTEGRABILITY, RIEMANN SUM AND DEFINITION OF RIEMANN INTEGRAL THROUGH RIEMANN SUMS, EQUIVALENCE OF TWO DEFINITIONS.	APRIL 2023	6
CC-08 RIEMANIAN INTEGRATION & SERIES OF FUNCTION	UNIT-1 RIEMANIAN INTEGRATION	RIEMANN INTEGRABILITY OF MONOTONE AND CONTINUOUS FUNCTIONS, PROPERTIES OF THE RIEMANN INTEGRAL; DEFINITION AND INTEGRABILITY OF PIECEWISE CONTINUOUS AND MONOTONE FUNCTIONS.	MAY 2023	6

CC-08 RIEMANIAN INTEGRATION & SERIES OF FUNCTION	UNIT-1 RIEMANIAN INTEGRATION	INTERMEDIATE VALUE THEOREM FOR INTEGRALS, FUNDAMENTAL THEOREM OF INTEGRAL CALCULUS	JUNE 2023	4
CC-08 RIEMANIAN INTEGRATION & SERIES OF FUNCTION	UNIT-2 IMPROPER INTEGRALS	IMPROPER INTEGRALS	JUNE 2023	4
CC-08 RIEMANIAN INTEGRATION & SERIES OF FUNCTION	UNIT-2 IMPROPER INTEGRALS	CONVERGENCE OF BETA GAMMA FUNCTION	JULY 2023	3

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13	UNIT -1 METRIC SPACES	METRIC SPACES: SEQUENCES IN METRIC SPACES, CAUCHY SEQUENCES. COMPLETE METRIC SPACES, CANTOR’S THEOREM.	FEBRUARY 2023	5
CC-13	UNIT -2 METRIC SPACES	CONTINUOUS MAPPINGS, SEQUENTIAL CRITERION AND OTHER CHARACTERIZATIONS OF CONTINUITY, UNIFORM CONTINUITY.	MARCH 2023	4
CC-13	UNIT -2 METRIC SPACES	CONNECTEDNESS, CONNECTED SUBSETS OF R.	MARCH 2023	3
CC-13	UNIT -2 METRIC SPACES	COMPACTNESS: SEQUENTIAL COMPACTNESS, HEINE-BOREL PROPERTY, TOTALLY BOUNDED SPACES.	APRIL 2023	4

CC-13	UNIT -2 METRIC SPACES	FINITE INTERSECTION PROPERTY , CONTINUOUS FUNCTIONS ON COMPACT SETS, HOMEOMORPHISM	APRIL 2023	7
CC-13	UNIT -2 METRIC SPACES	CONTRACTION MAPPINGS, BANACH FIXED POINT THEOREM	MAY 2023	5
CC-13	UNIT -2 METRIC SPACES	APPLICATION OF BANACH FIXED POINT THEOREM.TO ORDINARY DIFFERENTIAL EQUATION.	JUNE 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: MATHEMATICS				
NAME OF THE TEACHER: AMALENDU GHOSH				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	REFLECTION PROPERTIES OF CONICS, TRANSLATION AND ROTATION OF AXES	AUGUST 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	SECOND DEGREE EQUATIONS, CLASSIFICATION OF CONICS USING THE DISCRIMINANT,	SEPTEMBER 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	POLAR EQUATIONS OF CONICS.	SEPTEMBER 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	SPHERE	NOVEMBER 2022	2

CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	CYLINDRICAL SURFACES	NOVEMBER 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	CENTRAL CONICOID, PARABOLOIDS, PLANE SECTIONS OF CONICOID,	DECEMBER 2022	2
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	LEARNING TECHNIQUES OF SKETCHING CONICS	JANUARY 2023	4
CC-01 CALCULUS, GEOMETRY & DIFFERENTIAL EQUATION	UNIT-3 GEOMETRY	LEARNING TECHNIQUES OF SKETCHING CONICS	FEBRUARY 2023	2

DATE OF COMMENCEMENT OF CLASSES:
25.07.2022

DATE OF DISSOLUTION OF CLASSES:
26.12.2022

ACADEMIC SESSION:
2022-2023

PROGRAM TYPE:
HONOURS/ GENERAL/ GENERIC

SEMESTER: III

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-2	DIFFERENTIABILITY OF A FUNCTION AT A POINT AND IN AN INTERVAL, CARATHEODORY'S THEOREM, ALGEBRA OF DIFFERENTIABLE FUNCTIONS. INTERMEDIATE	JULY 2022	6

		VALUE PROPERTY OF DERIVATIVES		
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-2	RELATIVE EXTREMA, INTERIOR EXTREMUM, ROLLE'S THEOREM. MEAN VALUE THEOREM	AUGUST 2022	3
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-2	DARBOUX'S THEOREM. APPLICATIONS OF MEAN VALUE THEOREM TO INEQUALITIES AND APPROXIMATION OF POLYNOMIALS	AUGUST 2022	4
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-2	CURVATURE	SEPTEMBER 2022	2
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-3	CAUCHY'S MEAN VALUE THEOREM. TAYLOR'S THEOREM WITH LAGRANGE'S FORM OF REMAINDER, TAYLOR'S THEOREM WITH CAUCHY'S FORM OF REMAINDER.	NOVEMBER 2022	4
CC-05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACES	UNIT-3	APPLICATION OF TAYLOR'S THEOREM TO CONVEX FUNCTIONS, RELATIVE EXTREMA. TAYLOR'S SERIES AND MACLAURIN'S SERIES EXPANSIONS OF EXPONENTIAL AND TRIGONOMETRIC FUNCTIONS, APPLICATION OF TAYLOR'S THEOREM TO INEQUALITIES.	DECEMBER 2022	6
GE-3 REAL ANALYSIS	UNIT-1	FINITE AND INFINITE SETS, EXAMPLES OF COUNTABLE AND UNCOUNTABLE SETS.	JULY 2022	4
GE-3 REAL ANALYSIS	UNIT-1	REAL LINE, BOUNDED SETS, SUPREMA AND INFIMA,	AUGUST 2022	4

GE-3 REAL ANALYSIS	UNIT-1	COMPLETENESS PROPERTY OF R, ARCHIMEDEAN PROPERTY OF R, INTERVALS.	AUGUST 2022	3
GE-3 REAL ANALYSIS	UNIT-1	CONCEPTOF CLUSTER POINTS AND STATEMENT OF BOLZANO-WEIERSTRASS THEOREM. 15L	SEPTEMBER 2022	4
GE-3 REAL ANALYSIS	UNIT-2	REAL SEQUENCE, BOUNDED SEQUENCE,	SEPTEMBER 2022	4
GE-3 REAL ANALYSIS	UNIT-2	CAUCHY CONVERGENCE CRITERION FOR SEQUENCES.	NOVEMBER 2018	3
GE-3 REAL ANALYSIS	UNIT-2	CAUCHY'S THEOREM ON LIMITS, ORDER PRESERVATION AND SQUEEZE THEOREM, MONOTONE SEQUENCES AND THEIRCONVERGENCE	DECEMBER 2022	8
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS	UNIT-1	PARTIAL DIFFERENTIAL EQUATIONS – BASIC CONCEPTS AND DEFINITIONS. MATHEMATICAL PROBLEMS. FIRST- ORDER EQUATIONS	JULY 2022	6
CC-11 PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS	UNIT-1	CLASSIFICATION, CONSTRUCTION AND GEOMETRICAL INTERPRETATION. METHOD OF CHARACTERISTICS FOR OBTAINING	AUGUST 2022	6

		GENERAL SOLUTION OF QUASI LINEAR EQUATIONS.		
CC-11 PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS	UNIT-1	CANONICAL FORMS OF FIRST-ORDER LINEAR EQUATIONS. METHOD OF SEPARATION OF VARIABLES FOR SOLVING FIRST ORDER PARTIAL DIFFERENTIAL EQUATIONS.	AUGUST 2022	10
CC-11 PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS	UNIT-2	DERIVATION OF HEAT EQUATION, WAVE EQUATION AND LAPLACE EQUATION. CLASSIFICATION OF SECOND ORDER LINEAR EQUATIONS AS HYPERBOLIC, PARABOLIC, ELLIPTIC. REDUCTION OF SECOND ORDER LINEAR EQUATIONS TO CANONICAL FORMS.	SEPTEMBER 2022	12
CC-11 PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS	UNIT-3	THE CAUCHY PROBLEM OF 2ND ORDER PARTIAL DIFFERENTIAL EQUATION, CAUCHY-KOWALEWSKAYA THEOREM, CAUCHY PROBLEM OF AN INFINITE STRING,	OCTOBER 2022	7
CC-11 PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS	UNIT-3	INITIAL AND BOUNDARY VALUE PROBLEMS. SEMI-INFINITE STRING WITH A FIXED END, SEMI-INFINITE STRING WITH A FREE END. EQUATIONS WITH NON-HOMOGENEOUS BOUNDARY CONDITIONS. NON-HOMOGENEOUS WAVE EQUATION. METHOD OF SEPARATION OF VARIABLES: SOLVING THE VIBRATING STRING PROBLEM. SOLVING THE HEAT CONDUCTION PROBLEM.	NOVEMBER 2022	10

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-03 REAL ANALYSIS	UNIT-3	INFINITE SERIES, CONVERGENCE AND DIVERGENCE OF INFINITE SERIES.	MARCH 2023	4
CC-03 REAL ANALYSIS	UNIT-3	CAUCHY CRITERION, TESTS FOR CONVERGENCE: COMPARISON TEST, LIMIT COMPARISON TEST,	APRIL 2023	4
CC-03 REAL ANALYSIS	UNIT-3	RATIO TEST, CAUCHY'S NTH ROOT TEST	MAY 2023	2
CC-03 REAL ANALYSIS	UNIT-3	INTEGRAL TEST. ALTERNATING SERIES, LEIBNIZ TEST.	JUNE 2023	2
CC-03 REAL ANALYSIS	UNIT-3	ABSOLUTE AND CONDITIONAL CONVERGENCE	JULY 2023	3
GE2 DIFFERENTIAL EQUATIONS	UNIT-3	ORDER AND DEGREE OF PARTIAL DIFFERENTIAL EQUATIONS, CONCEPT OF LINEAR AND NON-LINEAR PARTIAL DIFFERENTIAL EQUATIONS. FORMATION OF FIRST ORDER PARTIAL DIFFERENTIAL EQUATIONS.	APRIL 2023	7
GE2 DIFFERENTIAL EQUATIONS	UNIT-3	LAGRANGE'S METHOD	MAY 2023	4

GE2 DIFFERENTIAL EQUATIONS	UNIT-3	CHARPIT'S METHOD.	JUNE 2023	4
GE2 DIFFERENTIAL EQUATIONS	UNIT-4	CLASSIFICATION OF SECOND ORDER PARTIAL DIFFERENTIAL EQUATIONS INTO ELLIPTIC, PARABOLIC & HYPERBOLIC THROUGH ILLUSTRATIONS ONLY.	JULY 2023	9

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-09 MULTIVARIATE CALCULUS	UNIT-1	FUNCTIONS OF SEVERAL VARIABLES, LIMIT AND CONTINUITY OF FUNCTIONS OF N VARIABLES, PARTIAL DIFFERENTIATION, TOTAL DIFFERENTIABILITY AND DIFFERENTIABILITY, SUFFICIENT CONDITION FOR DIFFERENTIABILITY.	MARCH 2023	9
CC-09 MULTIVARIATE CALCULUS	UNIT-1	CHAIN RULE FOR ONE AND TWO INDEPENDENT PARAMETERS, DIRECTIONAL DERIVATIVES, THE GRADIENT, JACOBIAN, MAXIMAL AND NORMAL PROPERTY OF GRADIENT, TANGENT PLANES	APRIL 2023	9
CC-09 MULTIVARIATE CALCULUS	UNIT-1	EXTREMA OF FUNCTIONS OF N VARIABLES WITH NECESSARY AND SUFFICIENT CONDITIONS, METHOD OF LAGRANGE MULTIPLIERS.	MAY 2023	7
CC-09 MULTIVARIATE CALCULUS	UNIT-4	GREEN'S THEOREM, SURFACE INTEGRALS, INTEGRALS OVER PARAMETRICALLY DEFINED SURFACES.	JUNE 2023	6
CC-09 MULTIVARIATE CALCULUS	UNIT-4	STOKE'S THEOREM, THE DIVERGENCE THEOREM.	JULY 2023	4

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-2 LINEAR ALGEBRA-II	DUAL SPACES, DUAL BASIS, DOUBLE DUAL, TRANSPOSE OF A LINEAR TRANSFORMATION AND ITS MATRIX IN THE DUAL BASIS, ANNIHILATORS.	FEBRUARY 2023	8
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-2 LINEAR ALGEBRA-II	EIGEN SPACES OF A LINEAR OPERATOR, DIAGONALIZABILITY, INVARIANT SUBSPACES	MARCH 2023	6
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-2 LINEAR ALGEBRA-II	CAYLEY-HAMILTON THEOREM, THE MINIMAL POLYNOMIAL FOR A LINEAR OPERATOR, CANONICAL FORMS.	APRIL 2023	6
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-2 LINEAR ALGEBRA-II	INNER PRODUCT SPACES AND NORMS, GRAM-SCHMIDT ORTHOGONALISATION PROCESS, ORTHOGONAL COMPLEMENTS, BESSEL'S INEQUALITY	MAY 2023	10
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-2 LINEAR ALGEBRA-II	THE ADJOINT OF A LINEAR OPERATOR, LEAST SQUARES APPROXIMATION, MINIMAL SOLUTIONS TO SYSTEMS OF LINEAR EQUATIONS, NORMAL AND SELF-ADJOINT OPERATORS, ORTHOGONAL PROJECTIONS AND SPECTRAL THEOREM.	JUNE 2023	10
DSE-43 MECHANICS-II	UNIT-1	INTERPRETATION OF NEWTON'S LAWS OF MOTION	FEBRUARY 2023	3
DSE-43 MECHANICS-II	UNIT-1	GALILEAN TRANSFORMATION	MARCH 2023	3

DSE-43 MECHANICS-II	UNIT-1	CONCEPT OF ABSOLUTE LENGTH	APRIL 2023	3
DSE-43 MECHANICS-II	UNIT-1	CONCEPT OF ABSOLUTE TIME	MAY 2023	3
DSE-43 MECHANICS-II	UNIT-1	LIMITATIONS OF NEWTON'S LAWS IN SOLVING PROBLEMS.	JUNE 2023	3
PW01 PROJECT WORK			FEBRUARY 2023	12
PW01 PROJECT WORK			MARCH 2023	12
PW01 PROJECT WORK			APRIL 2023	13
PW01 PROJECT WORK			MAY 2023	13
PW01 PROJECT WORK			JUNE 2023	10

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: MATHEMATICS				
NAME OF THE TEACHER: NINTU MANDAL				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-02 ALGEBRA	UNIT-1 COMPLEX NUMBER	POLAR REPRESENTATION OF COMPLEX NUMBERS, N-TH ROOTS OF UNITY, DE MOIVRE’S THEOREM FOR RATIONAL INDICES AND ITS APPLICATIONS.	AUGUST 2022	5
CC-02 ALGEBRA	UNIT-1 THEORY OF EQUATION	RELATION BETWEEN ROOTS AND COEFFICIENTS, TRANSFORMATION OF EQUATION	SEPTEMBER 2022	3
CC-02 ALGEBRA	UNIT-1 THEORY OF EQUATION	DESCARTES RULE OF SIGNS, CUBIC AND BIQUADRATIC EQUATIONS. RECIPROCAL EQUATION, SEPARATION OF THE ROOTS OF EQUATIONS, STRUM’S THEOREM.	SEPTEMBER 2022	5

CC-02 ALGEBRA	UNIT-1 INEQUALITY	THE INEQUALITY INVOLVING $AM \geq GM \geq HM$, CAUCHY-SCHWARTZ INEQUALITY	NOVEMBER 2022	4
CC-02 ALGEBRA	UNIT-2	EQUIVALENCE RELATIONS AND PARTITIONS, FUNCTIONS, COMPOSITION OF FUNCTIONS, INVERTIBLE FUNCTIONS, ONE TO ONE CORRESPONDENCE AND CARDINALITY OF A SET.	DECEMBER 2022	6
CC-02 ALGEBRA	UNIT-2 NUMBER THEORY	WELL-ORDERING PROPERTY OF POSITIVE INTEGERS DIVISION ALGORITHM, DIVISIBILITY AND EUCLIDEAN ALGORITHM. CONGRUENCE RELATION BETWEEN INTEGERS.	JANUARY 2022	6
CC-02 ALGEBRA	UNIT-2 NUMBER THEORY	MATHEMATICAL INDUCTION, STATEMENT OF FUNDAMENTAL THEOREM OF ARITHMETIC.	FEBRUARY 2022	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-06 GROUP THEORY-I	UNIT-1	SYMMETRIES OF A SQUARE, DIHEDRAL GROUPS DEFINITION	JULY 2022	4
CC-06 GROUP THEORY-I	UNIT-1	EXAMPLES OF GROUPS INCLUDING PERMUTATION GROUPS AND QUATERNION GROUPS (THROUGH MATRICES), ELEMENTARY PROPERTIES OF GROUPS.	AUGUST 2022	6
CC-06 GROUP THEORY-I	UNIT-2	SUBGROUPS AND EXAMPLES OF SUBGROUPS, CENTRALIZER, NORMALIZER, CENTER OF A GROUP, PRODUCT OF TWO SUBGROUPS.	AUGUST 2022	5
CC-06 GROUP THEORY-I	UNIT-3	PROPERTIES OF CYCLIC GROUPS, CLASSIFICATION OF SUBGROUPS OF CYCLIC GROUPS, CYCLE NOTATION FOR PERMUTATIONS, PROPERTIES OF PERMUTATIONS, EVEN AND ODD PERMUTATIONS,	SEPTEMBER 2022	10
CC-06 GROUP THEORY-I	UNIT-3	ALTERNATING GROUP, PROPERTIES OF COSETS, LAGRANGE’S THEOREM AND CONSEQUENCES INCLUDING FERMAT’S LITTLE THEOREM.	OCTOBER 2022	10

CC-06 GROUP THEORY-I	UNIT-4	EXTERNAL DIRECT PRODUCT OF A FINITE NUMBER OF GROUPS, NORMAL SUBGROUPS	NOVEMBER 2022	6
CC-06 GROUP THEORY-I	UNIT-4	FACTOR GROUPS, CAUCHY'S THEOREM FOR FINITE ABELIAN GROUPS.	NOVEMBER 2022	4
CC-06 GROUP THEORY-I	UNIT-5	GROUP HOMOMORPHISMS, PROPERTIES OF HOMOMORPHISMS, CAYLEY'S THEOREM, PROPERTIES OF ISOMORPHISMS,	DECEMBER 2022	10
CC-06 GROUP THEORY-I	UNIT-5	FIRST, SECOND AND THIRD ISOMORPHISM THEOREMS.	DECEMBER 2022	5
GE-3 REAL ANALYSIS	UNIT-3	INFINITE SERIES. CAUCHY CONVERGENCE CRITERION FOR SERIES,	JULY 2022	3
GE-3 REAL ANALYSIS	UNIT-3	POSITIVE TERM SERIES, GEOMETRIC SERIES,COMPARISON TEST, CONVERGENCE OF P-SERIES	AUGUST 2022	5
GE-3 REAL ANALYSIS	UNIT-3	ROOT TEST, RATIO TEST, ALTERNATING SERIES, LEIBNITZ'S TEST(TESTS OF CONVERGENCE WITHOUT PROOF). DEFINITION AND EXAMPLES OF ABSOLUTE AND CONDITIONAL CONVERGENCE.	SEPTEMBER 2022	7
GE-3 REAL ANALYSIS	UNIT-4	SEQUENCES AND SERIES OF FUNCTIONS, POINTWISE AND UNIFORM CONVERGENCE. MN- TEST, M-TEST	NOVEMBER 2022	6

GE-3 REAL ANALYSIS	UNIT-4	STATEMENTS OF THE RESULTS ABOUT UNIFORM CONVERGENCE AND INTEGRABILITY AND DIFFERENTIABILITY OF FUNCTIONS	DECEMBER 2022	6
GE-3 REAL ANALYSIS	UNIT-4	POWER SERIES AND RADIUS OF CONVERGENCE.	DECEMBER 2022	3
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-1 LINEAR PROGRAMMING	UNIT-3	TRANSPORTATION PROBLEM AND ITS MATHEMATICAL FORMULATION, NORTHWEST-CORNER METHOD, LEAST COST METHOD	JULY 2022	3
DSE-1 LINEAR PROGRAMMING	UNIT-3	VOGEL APPROXIMATION METHOD FOR DETERMINATION OF STARTING BASIC SOLUTION, ALGORITHM FOR SOLVING TRANSPORTATION PROBLEM	AUGUST 2022	5
DSE-1 LINEAR PROGRAMMING	UNIT-3	ASSIGNMENT PROBLEM AND ITS MATHEMATICAL FORMULATION, HUNGARIAN METHOD FOR SOLVING ASSIGNMENT PROBLEM, TRAVELLING	SEPTEMBER 2022	7

		SALESMAN PROBLEM.		
DSE-1 LINEAR PROGRAMMING	UNIT-4	GAME THEORY: FORMULATION OF TWO PERSON ZERO SUM GAMES, SOLVING TWO PERSON ZERO SUM GAMES, GAMES WITH MIXED STRATEGIES	OCTOBER 2022	7
DSE-1 LINEAR PROGRAMMING	UNIT-4	GRAPHICAL SOLUTION PROCEDURE, LINEAR PROGRAMMING SOLUTION OF GAMES.	NOVEMBER 2022	8
DSE-1(A3) LINEAR ALGEBRA	UNIT-1	VECTOR SPACES, SUBSPACES,	JULY 2022	5
DSE-1(A3) LINEAR ALGEBRA	UNIT-1	ALGEBRA OF SUBSPACES, QUOTIENT SPACES	AUGUST 2022	5
DSE-1(A3) LINEAR ALGEBRA	UNIT-1	LINEAR COMBINATION OF VECTORS, LINEAR SPAN, LINEAR INDEPENDENCES	SEPTEMBER 2022	5
DSE-1(A3) LINEAR ALGEBRA	UNIT-1	BASIS AND DIMENSION, DIMENSION OF SUBSPACES	NOVEMBER 2022	5

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-03 REAL ANALYSIS	UNIT-2	SEQUENCES, BOUNDED SEQUENCE, CONVERGENT SEQUENCE, LIMIT OF A SEQUENCE, LIMINF, LIM SUP.	MARCH 2023	4
CC-03 REAL ANALYSIS	UNIT-2	LIMIT THEOREMS. MONOTONE SEQUENCES, MONOTONE CONVERGENCE THEOREM.	APRIL 2023	4
CC-03 REAL ANALYSIS	UNIT-2	SUBSEQUENCES, DIVERGENCE CRITERIA.MONOTONE SUBSEQUENCE THEOREM (STATEMENT ONLY), BOLZANO WEIERSTRASS THEOREM FOR SEQUENCES.	MAY 2023	4
CC-03 REAL ANALYSIS	UNIT-2	CAUCHY SEQUENCE, CAUCHY'S CONVERGENCE CRITERION.	JUNE 2023	3
CC-03 REAL ANALYSIS	UNIT-2	DEMONSTRATION OF TECHNIQUES FOR SOLVING DIFFERENT PROBLEMS	JULY 2023	5

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC10 RING THEORY & LINEAR ALGEBRA - I	UNIT-1 RING THEORY	DEFINITION AND EXAMPLES OF RINGS, PROPERTIES OF RINGS, SUBRINGS, INTEGRAL DOMAINS AND FIELDS, CHARACTERISTIC OF A RING. IDEAL, IDEAL GENERATED BY A SUBSET OF A RING, FACTOR RINGS, OPERATIONS ON IDEALS, PRIME AND MAXIMAL IDEALS.	MARCH 2023	15
CC10 RING THEORY & LINEAR ALGEBRA - I	UNIT-2 RING THEORY	RING HOMOMORPHISMS, PROPERTIES OF RING HOMOMORPHISMS. ISOMORPHISM THEOREMS I, II AND III, FIELD OF QUOTIENTS.	APRIL 2023	10
CC10 RING THEORY & LINEAR ALGEBRA - I	UNIT-3 VECTOR SPACES	VECTOR SPACES, SUBSPACES, ALGEBRA OF SUBSPACES, QUOTIENT SPACES, LINEAR COMBINATION OF VECTORS, LINEAR SPAN, LINEAR INDEPENDENCE, BASIS AND DIMENSION, DIMENSION OF SUBSPACES, EXTENSION, DELETION AND REPLACEMENT THEOREMS.	MAY 2023	12
CC10 RING THEORY & LINEAR ALGEBRA - I	UNIT-4 LINEAR TRANSFORMATI ON	LINEAR TRANSFORMATIONS, NULL SPACE, RANGE, RANK AND NULLITY OF A LINEAR TRANSFORMATION, MATRIX REPRESENTATION OF A LINEAR TRANSFORMATION, ALGEBRA OF LINEAR TRANSFORMATIONS,	JUNE 2023	15
CC10 RING THEORY & LINEAR ALGEBRA - I	UNIT-4 LINEAR TRANSFORMATI ON	ISOMORPHISMS, ISOMORPHISM THEOREMS, INVERTIBILITY AND ISOMORPHISMS, CHANGE OF COORDINATE MATRIX.	JULY 2023	8

GE-4	UNIT-1 ALGEBRA	DEFINITION AND EXAMPLES OF GROUPS, EXAMPLES OF ABELIAN AND NON-ABELIAN GROUPS, THE GROUP Z_N OF INTEGERS UNDER ADDITION MODULO N AND THE GROUP $U(N)$ OF UNITS UNDER MULTIPLICATION MODULO N .	MARCH 2023	10
GE-4	UNIT-1 ALGEBRA	CYCLIC GROUPS FROM NUMBER SYSTEMS, COMPLEX ROOTS OF UNITY, CIRCLE GROUP, THE GENERAL LINEAR GROUP $GL(N, R)$, GROUPS OF SYMMETRIES OF (I) AN ISOSCELES TRIANGLE, (II) AN EQUILATERAL TRIANGLE, (III) A RECTANGLE, AND (IV) A SQUARE, THE PERMUTATION GROUP $SYM(N)$, GROUP OF QUATERNIONS.	APRIL 2023	10
GE-4	UNIT-2 ALGEBRA	SUBGROUPS, CYCLIC SUBGROUPS, THE CONCEPT OF A SUBGROUP GENERATED BY A SUBSET	MAY 2023	5
GE-4	UNIT-2 ALGEBRA	THE COMMUTATOR SUBGROUP OF GROUP, EXAMPLES OF SUBGROUPS INCLUDING THE CENTER OF A GROUP.	JUNE 2023	5
GE-4	UNIT-2 ALGEBRA	COSETS, INDEX OF SUBGROUP, LAGRANGE'S THEOREM, ORDER OF AN ELEMENT, NORMAL SUBGROUPS: THEIR DEFINITION, EXAMPLES, AND CHARACTERIZATIONS, QUOTIENT GROUPS.	JULY 2023	10

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-1	POLYNOMIAL RINGS OVER COMMUTATIVE RINGS, DIVISION ALGORITHM AND CONSEQUENCES	FEBRUARY 2023	5
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-1	PRINCIPAL IDEAL DOMAINS, FACTORIZATION OF POLYNOMIALS,	MARCH 2023	3
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-1	REDUCIBILITY TESTS, IRREDUCIBILITY TESTS, EISENSTEIN CRITERION, UNIQUE FACTORIZATION IN Z[X].	APRIL 2023	6
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-1	DIVISIBILITY IN INTEGRAL DOMAINS, IRREDUCIBLE, PRIMES.	MAY 2023	3
CC-14 RING THEORY & LINEAR ALGEBRA-II	UNIT-1	UNIQUE FACTORIZATION DOMAINS, EUCLIDEAN DOMAINS.	JUNE 2023	3
PW-01 PROJECT WORK			FEBRUARY 2023	12
PW-01 PROJECT WORK			MARCH 2023	14
PW-01 PROJECT WORK			APRIL 2023	12

PW-01 PROJECT WORK			MAY 2023	12
PW-01 PROJECT WORK			JUNE 2023	10

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: MATHEMATICS				
NAME OF THE TEACHER: SUBHANKAR ADHIKARI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
BMH1CC01: CALCULUS, GEOMETRY& DIFFERENTIAL EQUATIONS	UNIT 4: DIFFERENTIAL EQUATIONS & MATHEMATICAL MODELS	GENERAL, PARTICULAR, EXPLICIT, IMPLICIT AND SINGULAR SOLUTIONS OF A DIFFERENTIAL EQUATION.	AUGUST 2022	2
BMH1CC01: CALCULUS, GEOMETRY& DIFFERENTIAL EQUATIONS	UNIT 4: DIFFERENTIAL EQUATIONS & MATHEMATICAL MODELS	EXACT DIFFERENTIAL EQUATIONS AND INTEGRATING FACTORS, SEPARABLE EQUATIONS	SEPTEMBER 2022	3
BMH1CC01: CALCULUS, GEOMETRY& DIFFERENTIAL EQUATIONS	UNIT 4: DIFFERENTIAL EQUATIONS & MATHEMATICAL MODELS	SEPARABLE EQUATIONS	NOVEMBER 2022	1
BMH1CC01: CALCULUS, GEOMETRY& DIFFERENTIAL EQUATIONS	UNIT 4: DIFFERENTIAL EQUATIONS & MATHEMATICAL MODELS	EQUATIONS REDUCIBLE TO THIS FORM, LINEAR EQUATION AND BERNOULLI EQUATIONS,.	DECEMBER 2022	3
BMH1CC01: CALCULUS, GEOMETRY& DIFFERENTIAL EQUATIONS	UNIT 4: DIFFERENTIAL EQUATIONS & MATHEMATICAL MODELS	SPECIAL INTEGRATING FACTORS	FEBRUARY 2022	2

BMH1CC01: CALCULUS, GEOMETRY & DIFFERENTIAL EQUATIONS	UNIT 4: DIFFERENTIAL EQUATIONS & MATHEMATICAL MODELS	SOLVING DIFFERENTIAL EQUATIONS USING TRANSFORMATIONS	FEBRUARY 2022	1
BMG1CC1A/GE-1 DIFFERENTIAL CALCULUS	UNIT-2	TANGENT & NORMALS, CURVATURE	AUGUST 2022	2
BMG1CC1A/GE-1 DIFFERENTIAL CALCULUS	UNIT-2	TANGENT & NORMALS, CURVATURE	SEPTEMBER 2022	3
BMG1CC1A/GE-1 DIFFERENTIAL CALCULUS	UNIT-3	ROLLE'S THEOREM, LAGRANGES MEAN VALUE THEOREM, CAUCHY MEAN VALUE THEOREM	NOVEMBER 2022	7
BMG1CC1A/GE-1 DIFFERENTIAL CALCULUS	UNIT-3	APPLICATIONS OF MEAN VALUE THEOREMS, TAYLORS THEOREM WITH LAGRANGES /CAUCHY FORM OF REMAINDER	DECEMBER 2022	6
BMG1CC1A/GE-1 DIFFERENTIAL CALCULUS	UNIT-3	TAYLORS SERIES, MACLAURIN'S SERIES OF EXPANSION,	JANUARY 2023	6
BMG1CC1A/GE-1 DIFFERENTIAL CALCULUS	UNIT-3	MAXIMA AND MINIMA, INDETERMINATE FORMS	FEBRUARY 2023	6

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC07- NUMERICAL METHODS & NUMERICAL METHODS LAB	UNIT-1 DIFFERENT TYPES OF ERROR	ALGORITHMS, CONVERGENCE, ERRORS: RELATIVE, ABSOLUTE. ROUND OFF, TRUNCATION.	JULY 2022	2
CC07- NUMERICAL METHODS & NUMERICAL METHODS LAB	UNIT-2 TRANSCENDENTAL AND POLYNOMIAL EQUATIONS	BISECTION METHOD, NEWTON’S METHOD, SECANT METHOD, REGULAFALSI METHOD, FIXED POINT ITERATION, NEWTON- RAPHSON METHOD. RATE OF CONVERGENCE OF THESE METHODS.	AUGUST 2022	6
CC07- NUMERICAL METHODS & NUMERICAL METHODS LAB	UNIT-3 SYSTEM OF LINEAR ALGEBRAIC EQUATIONS	GAUSSIAN ELIMINATION AND GAUSS JORDAN METHODS, GAUSS JACOBI METHOD, GAUSS SEIDEL METHOD AND THEIR CONVERGENCE ANALYSIS, LU DECOMPOSITION	SEPTEMBER 2022	8
CC07- NUMERICAL METHODS & NUMERICAL METHODS LAB	UNIT-4 INTERPOLATION	INTERPOLATION: LAGRANGE AND NEWTON’S METHODS, ERROR BOUNDS, FINITE DIFFERENCE OPERATORS. GREGORY FORWARD AND BACKWARD DIFFERENCE INTERPOLATIONS. NUMERICAL DIFFERENTIATION: METHODS BASED ON INTERPOLATIONS, METHODS BASED ON FINITE DIFFERENCES.	OCTOBER 2022	9

CC07- NUMERICAL METHODS & NUMERICAL METHODS LAB	UNIT-5 NUMERICAL INTEGRATION	NEWTON COTES FORMULA, TRAPEZOIDAL RULE, SIMPSON'S 1/3RD RULE, SIMPSON'S 3/8TH RULE, WEDDLE'S RULE, BOOLE'S RULE. MIDPOINT RULE, COMPOSITE TRAPEZOIDAL RULE, COMPOSITE SIMPSON'S 1/3RD RULE, GAUSS QUADRATURE FORMULA. THE ALGEBRAIC EIGENVALUE PROBLEM: POWER METHOD.	NOVEMBER 2022	10
CC07- NUMERICAL METHODS & NUMERICAL METHODS LAB	UNIT-6 ORDINARY DIFFERENTIAL EQUATIONS	THE METHOD OF SUCCESSIVE APPROXIMATIONS, EULER'S METHOD, THE MODIFIED EULER METHOD, RUNGE- KUTTA METHODS OF ORDERS TWO AND FOUR.	DECEMBER 2022	5

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DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: MATHEMATICS				
NAME OF THE TEACHER: RAMKRISHNA THAKUR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASS: 09.02.2023	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-02 ALGEBRA	UNIT-3	SYSTEMS OF LINEAR EQUATIONS, ROW REDUCTION AND ECHELON FORMS	AUGUST 2022	4
CC-02 ALGEBRA	UNIT-3	VECTOR EQUATIONS, THE MATRIX EQUATION $AX=B$, SOLUTION SETS OF LINEAR SYSTEMS, APPLICATIONS OF LINEAR SYSTEMS, LINEAR INDEPENDENCE.	SEPTEMBER 2022	6
CC-02 ALGEBRA	UNIT-4	INTRODUCTION TO LINEAR TRANSFORMATIONS, MATRIX OF A LINEAR TRANSFORMATION	NOVEMBER 2022	4
CC-02 ALGEBRA	UNIT-4	INVERSE OF A MATRIX, CHARACTERIZATION S OF INVERTIBLE MATRICES. VECTOR SPACES OF R_N , SUBSPACES OF R_N , DIMENSION OF	DECEMBER 2022	7

		SUBSPACES OF R_N , RANK OF A MATRIX.		
CC-02 ALGEBRA	UNIT-4	EIGEN VALUES, EIGEN VECTORS AND CHARACTERISTIC EQUATION OF A MATRIX. CAYLEY- HAMILTON THEOREM AND ITS USE IN FINDING THE INVERSE OF A MATRIX.	JANUARY 2023	7
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – 05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACE	UNIT-1	LIMITS OF FUNCTIONS (E - Δ APPROACH), SEQUENTIAL CRITERION FOR LIMITS, DIVERGENCE CRITERIA.	JULY 2022	4
CC – 05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACE	UNIT-1	LIMIT THEOREMS, ONE SIDED LIMITS. INFINITE LIMITS AND LIMITS AT INFINITY.	AUGUST 2022	4
CC – 05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACE	UNIT-1	CONTINUOUS FUNCTIONS, SEQUENTIAL CRITERION FOR CONTINUITY AND DISCONTINUITY.	AUGUST 2022	4
CC – 05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACE	UNIT-1	ALGEBRA OF CONTINUOUS FUNCTIONS. CONTINUOUS FUNCTIONS ON AN	SEPTEMBER 2022	4

		INTERVAL,		
CC – 05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACE	UNIT-1	INTERMEDIATE VALUE THEOREM, LOCATION OF ROOTS THEOREM, PRESERVATION OF INTERVALS THEOREM.	NOVEMBER 2022	4
CC – 05 THEORY OF REAL FUNCTIONS & INTRODUCTION TO METRIC SPACE	UNIT-1	UNIFORM CONTINUITY, NON-UNIFORM CONTINUITY CRITERIA, THEOREMS ON UNIFORM CONTINUITY.	DECEMBER 2022	5
CC-07 NUMERICAL PRACTICAL	UNIT-7	SOLUTION OF ALGEBRIC AND TRANSCENDENTAL EQUATION	JULY 2022	4
CC-07 NUMERICAL PRACTICAL	UNIT-7	LAGRANGES INTERPOLATION	AUGUST 2022	4
CC-07 NUMERICAL PRACTICAL	UNIT-7	NUMERICAL INTEGRATION: TRAPEZOIDAL RULE, SIMPSON 1/3 RD RULE	SEPTEMBER 2022	4
CC-07 NUMERICAL PRACTICAL	UNIT-7	SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS : RUNGE KUTTA METHOD	NOVEMBER 2022	2
CC-07 NUMERICAL PRACTICAL	UNIT-7	SOLUTION OF SYSTEM OF LINEAR EQUATIONS (A) GAUSSIAN ELIMINATION METHOD	DECEMBER 2022	3
CC-07 NUMERICAL PRACTICAL	UNIT-7	SOLUTION OF SYSTEM OF LINEAR EQUATIONS (B) GAUSS-SEIDEL METHOD	DECEMBER 2022	3
SEC-1 LOGIC AND SETS	UNIT-1	INTRODUCTION, PROPOSITIONS, TRUTH TABLE, NEGATION, CONJUNCTION AND DISJUNCTION.	JULY 2022	5

SEC-1 LOGIC AND SETS	UNIT-1	IMPLICATIONS, BICONDITIONAL PROPOSITIONS, CONVERSE, CONTRA POSITIVE AND INVERSE PROPOSITIONS	AUGUST 2022	10
SEC-1 LOGIC AND SETS	UNIT-1	PRECEDENCE OF LOGICAL OPERATORS. PROPOSITIONAL EQUIVALENCE: LOGICAL EQUIVALENCES. PREDICATES AND QUANTIFIERS: INTRODUCTION, QUANTIFIERS, BINDING VARIABLES AND NEGATIONS.	SEPTEMBER 2022	8
SEC-1 LOGIC AND SETS	UNIT-2	SETS, SUBSETS, SET OPERATIONS AND THE LAWS OF SET THEORY AND VENN DIAGRAMS. EXAMPLES OF FINITE AND INFINITE SETS. FINITE SETS AND COUNTING PRINCIPLE. EMPTY SET, PROPERTIES OF EMPTY SET. STANDARD SET OPERATIONS. CLASSES OF SETS. POWER SET OF A SET.	NOVEMBER 2022	7
SEC-1 LOGIC AND SETS	UNIT-3	DIFFERENCE AND SYMMETRIC DIFFERENCE OF TWO SETS. SET IDENTITIES, GENERALIZED UNION AND INTERSECTIONS. RELATION: PRODUCT SET. COMPOSITION OF RELATIONS, TYPES OF RELATIONS	DECEMBER 2022	9
SEC-1 LOGIC AND SETS	UNIT-3	PARTITIONS, EQUIVALENCE RELATIONS WITH EXAMPLE OF CONGRUENCE MODULO RELATION. PARTIAL ORDERING RELATIONS, N-ARY	DECEMBER 2022	6

		RELATIONS.		
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-21 PROBABILITY & STATISTICS	UNIT-1 PROBABILITY	SAMPLE SPACE, PROBABILITY AXIOMS, REAL RANDOM VARIABLES (DISCRETE AND CONTINUOUS)	JULY 2022	3
DSE-21 PROBABILITY & STATISTICS	UNIT-1 PROBABILITY	SAMPLE SPACE, PROBABILITY AXIOMS, REAL RANDOM VARIABLES (DISCRETE AND CONTINUOUS), CUMULATIVE DISTRIBUTION FUNCTION, PROBABILITY MASS/DENSITY FUNCTIONS, MATHEMATICAL EXPECTATION, MOMENTS	AUGUST 2022	5
DSE-21 PROBABILITY & STATISTICS	UNIT-1 PROBABILITY	MOMENT GENERATING FUNCTION, CHARACTERISTIC FUNCTION, DISCRETE DISTRIBUTIONS: UNIFORM, BINOMIAL, POISSON, GEOMETRIC, NEGATIVE BINOMIAL, CONTINUOUS DISTRIBUTIONS: UNIFORM, NORMAL, EXPONENTIAL.	AUGUST 2022	7
DSE-21 PROBABILITY & STATISTICS	UNIT-2 PROBABILITY	JOINT CUMULATIVE DISTRIBUTION FUNCTION AND ITS PROPERTIES, JOINT PROBABILITY DENSITY FUNCTIONS, MARGINAL AND CONDITIONAL DISTRIBUTIONS, EXPECTATION OF FUNCTION OF TWO RANDOM VARIABLES, CONDITIONAL	SEPTEMBER 2022	9

		EXPECTATIONS, INDEPENDENT RANDOM VARIABLES		
DSE-21 PROBABILITY & STATISTICS	UNIT-2 PROBABILITY	BIVARIATE NORMAL DISTRIBUTION, CORRELATION COEFFICIENT, JOINT MOMENT GENERATING FUNCTION (JMGF) AND CALCULATION OF COVARIANCE (FROM JMGF), LINEAR REGRESSION FOR TWO VARIABLES.	OCTOBER 20212	6
DSE-21 PROBABILITY & STATISTICS	UNIT-3 PROBABILITY	CHEBYSHEV'S INEQUALITY, STATEMENT AND INTERPRETATION OF (WEAK) LAW OF LARGE NUMBERS AND STRONG LAW OF LARGE NUMBERS.	NOVEMBER 2022	4
DSE-21 PROBABILITY & STATISTICS	UNIT-3 PROBABILITY	CHEBYSHEV'S INEQUALITY, STATEMENT AND INTERPRETATION OF (WEAK) LAW OF LARGE NUMBERS AND STRONG LAW OF LARGE NUMBERS. CENTRAL LIMIT THEOREM FOR INDEPENDENT AND IDENTICALLY DISTRIBUTED RANDOM VARIABLES WITH FINITE VARIANCE, MARKOV CHAINS, CHAPMAN- KOLMOGOROV EQUATIONS, CLASSIFICATION OF STATES.	NOVEMBER 2022	6
DSE-1(A3) LINEAR ALGEBRA	UNIT-2	EIGEN VALUES, EIGEN VECTORS	JULY 2022	3
DSE-1(A3) LINEAR ALGEBRA	UNIT-2	CHARACTERISTIC POLYNOMIAL	AUGUST 2022	2
DSE-1(A3) LINEAR ALGEBRA	UNIT-2	ISOMORPHISM	SEPTEMBER 2022	2
DSE-1(A3) LINEAR ALGEBRA	UNIT-2	ISOMORPHISM THEOREMS	SEPTEMBER 2022	2

DSE-1(A3) LINEAR ALGEBRA	UNIT-2	INVERTIBILITY AND ISOMORPHISMS,	NOVEMBER 2022	3
DSE-1(A3) LINEAR ALGEBRA	UNIT-2	CHANGE OF CO-ORDINATE MATRIX.	NOVEMBER 2022	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-04 DIFFERENTIAL EQUATION & VECTOR CALCULUS	UNIT-4	TRIPLE PRODUCT	MARCH 2023	2
CC-04 DIFFERENTIAL EQUATION & VECTOR CALCULUS	UNIT-4	INTRODUCTION TO VECTOR FUNCTIONS, OPERATIONS WITH VECTOR-VALUED FUNCTIONS	APRIL 2023	2
CC-04 DIFFERENTIAL EQUATION & VECTOR CALCULUS	UNIT-4	LIMITS AND CONTINUITY OF VECTOR FUNCTIONS,	MAY 2023	4

CC-04 DIFFERENTIAL EQUATION & VECTOR CALCULUS	UNIT-4	DIFFERENTIATION AND INTEGRATION OF VECTOR FUNCTIONS.	JULY 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-08 RIEMANN INTEGRATION AND SERIES OF FUNCTIONS	UNIT-3	POINTWISE AND UNIFORM CONVERGENCE OF SEQUENCE OF FUNCTIONS. THEOREMS ON CONTINUITY, DERIVABILITY AND INTEGRABILITY OF THE LIMIT FUNCTION OF A SEQUENCE OF FUNCTIONS.	MARCH 2023	7
CC-08 RIEMANN INTEGRATION AND SERIES OF FUNCTIONS	UNIT-3	SERIES OF FUNCTIONS, THEOREMS ON THE CONTINUITY AND DERIVABILITY OF THE SUM FUNCTION OF A SERIES OF FUNCTIONS; CAUCHY CRITERION FOR UNIFORM CONVERGENCE AND WEIERSTRASS M-TEST.	APRIL 2023	8

CC-08 RIEMANN INTEGRATION AND SERIES OF FUNCTIONS	UNIT-4	FOURIER SERIES: DEFINITION OF FOURIER COEFFICIENTS AND SERIES, RIEMANN- LEBESGUE LEMMA, BESSEL'S INEQUALITY, PARSEVAL'S IDENTITY, DIRICHLET'S CONDITION. EXAMPLES OF FOURIER EXPANSIONS AND SUMMATION RESULTS FOR SERIES.	MAY 2023	10
CC-08 RIEMANN INTEGRATION AND SERIES OF FUNCTIONS	UNIT-5	POWER SERIES, RADIUS OF CONVERGENCE, CAUCHY HADAMARD THEOREM. DIFFERENTIATION AND INTEGRATION OF POWER SERIES; ABEL'S THEOREM; WEIERSTRASS APPROXIMATION THEOREM.	JULY 2023	8
SEC-2 GRAPH THEORY	UNIT-1	DEFINITION, EXAMPLES AND BASIC PROPERTIES OF GRAPHS, PSEUDO GRAPHS, COMPLETE GRAPHS, BI - PARTITE GRAPHS ISOMORPHISM OF GRAPHS.	MARCH 2023	10
SEC-2 GRAPH THEORY	UNIT-2	EULERIAN CIRCUITS, EULERIAN GRAPH, SEMI- EULERIAN GRAPH AND THEOREMS, HAMILTONIAN CYCLES AND THEOREMS	APRIL 2023	8
SEC-2 GRAPH THEORY	UNIT-2	REPRESENTATION OF A GRAPH BY A MATRIX, THE ADJACENCY MATRIX, INCIDENCE MATRIX, WEIGHTED GRAPH,	MAY 2023	7
SEC-2 GRAPH THEORY	UNIT-3	TRAVELLING SALESMAN'S PROBLEM, SHORTEST PATH	JUNE 2022	4
SEC-2 GRAPH THEORY	UNIT-3	TREE AND THEIR PROPERTIES, SPANNING TREE	JULY 2023	4
SEC-2 GRAPH THEORY	UNIT-3	DIJKSTRA'S ALGORITHM, WARSHALL ALGORITHM.	AUGUST 2023	7

GE-4 ALGEBRA	UNIT-3	DEFINITION AND EXAMPLES OF RINGS, EXAMPLES OF COMMUTATIVE AND NON-COMMUTATIVE RINGS	MARCH 2023	4
GE-4 ALGEBRA	UNIT-3	RINGS FROM NUMBER SYSTEMS, IN THE RING OF INTEGERS MODULO N, RING OF REAL QUATERNIONS, RINGS OF MATRICES	APRIL 2023	4
GE-4 ALGEBRA	UNIT-3	POLYNOMIAL RINGS, AND RINGS OF CONTINUOUS FUNCTIONS.	MAY 2023	4
GE-4 ALGEBRA	UNIT-3	SUBRINGS AND IDEALS	JUNE 2023	4
GE-4 ALGEBRA	UNIT-3	INTEGRAL DOMAINS AND FIELDS, EXAMPLES OF FIELDS: $\mathbb{Z}$, $\mathbb{Q}$, $\mathbb{R}$, AND $\mathbb{C}$. FIELD OF RATIONAL FUNCTIONS.	JULY 2023	4
SEC-2(GEN) THEORY OF EQUATIONS	UNIT-1	GENERAL PROPERTIES OF POLYNOMIAL, GRAPHICAL REPRESENTATION OF A POLYNOMIAL, MAXIMUM AND MINIMUM VALUES OF A POLYNOMIAL	MARCH 2022	10
SEC-2(GEN) THEORY OF EQUATIONS	UNIT-1	GENERAL PROPERTIES OF EQUATIONS, DESCARTES RULE OF SIGNS, RELATION BETWEEN ROOTS AND COEFFICIENTS	APRIL 2023	10
SEC-2(GEN) THEORY OF EQUATIONS	UNIT-2	SYMMETRIC FUNCTIONS, APPLICATIONS OF SYMMETRIC FUNCTION OF THE ROOTS, TRANSFORMATION OF EQUATIONS	MAY 2023	10
SEC-2(GEN) THEORY OF EQUATIONS	UNIT-2	SOLUTION OF RECIPROCAL AND BINOMIAL EQUATIONS, ALGEBRIC SOLUTIONS OF CUBIC AND BIQUADRATIC EQUATIONS, PROPERTIES OF THE DERIVED FUNCTION	JULY 2023	10

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 METRIC SPACES & COMPLEX ANALYSIS	UNIT-3	LIMITS, LIMITS INVOLVING THE POINT AT INFINITY, CONTINUITY. PROPERTIES OF COMPLEX NUMBERS, REGIONS IN THE COMPLEX PLANE, FUNCTIONS OF COMPLEX VARIABLE, MAPPINGS. DERIVATIVES, DIFFERENTIATION FORMULAS, CAUCHY-RIEMANN EQUATIONS, SUFFICIENT CONDITIONS FOR DIFFERENTIABILITY.	FEBRUARY 2023	7
CC-13 METRIC SPACES & COMPLEX ANALYSIS	UNIT-4	ANALYTIC FUNCTIONS, EXAMPLES OF ANALYTIC FUNCTIONS, EXPONENTIAL FUNCTION, LOGARITHMIC FUNCTION, TRIGONOMETRIC FUNCTION, DERIVATIVES OF FUNCTIONS, AND DEFINITE INTEGRALS OF FUNCTIONS.	MARCH 2023	6
CC-13 METRIC SPACES & COMPLEX ANALYSIS	UNIT-4	CONTOURS, CONTOUR INTEGRALS AND ITS EXAMPLES, UPPER BOUNDS FOR MODULI OF CONTOUR INTEGRALS. CAUCHY-GOURSAT THEOREM, CAUCHY INTEGRAL FORMULA.	APRIL 2023	7
CC-13 METRIC SPACES & COMPLEX ANALYSIS	UNIT-5	LIOUVILLE’S THEOREM AND THE FUNDAMENTAL THEOREM OF ALGEBRA. CONVERGENCE OF SEQUENCES AND SERIES, TAYLOR SERIES AND ITS EXAMPLES.	MAY 2023	6
CC-13 METRIC SPACES & COMPLEX ANALYSIS	UNIT-6	LAURENT SERIES AND ITS EXAMPLES, ABSOLUTE AND UNIFORM CONVERGENCE OF POWER SERIES.	JUNE 2023	4

SEC-42 TRANSPORATION AND GAME THEORY	UNIT-1	TRANSPORATION PROBLEM & ITS MATHEMATICAL FORMULATION, NORTH- WEST CORNER METHOD, LEAST COST METHOD	FEBRUARY 2023	10
SEC-42 TRANSPORATION AND GAME THEORY	UNIT-1	VOGEL APPROXIMATION METHOD, ALGORITHM FOR SOLVING TRANSPORATATION PROBLEM,	MARCH 2023	8
SEC-42 TRANSPORATION AND GAME THEORY	UNIT-1	ASSIGNMENT PROBLEM, HUNGARIAN METHOD	MARCH 2023	7
SEC-42 TRANSPORATION AND GAME THEORY	UNIT-2	GAME THEORY, FORMULATION OF TWO PERSON ZERO-SUM GAME, SOLUTION OF TWO PERSON ZERO-SUM GAME	APRIL 2023	10
SEC-42 TRANSPORATION AND GAME THEORY	UNIT-2	GAMES WITH MIXED STRATEGIES	MAY 2023	7
SEC-42 TRANSPORATION AND GAME THEORY	UNIT-2	GRAPHICAL SOLUTION PROCEDURE	JUNE 2023	8
PW-01 PROJECT WORK			FEBRUARY 2023	13
PW-01 PROJECT WORK			MARCH 2023	13
PW-01 PROJECT WORK			APRIL 2023	13
PW-01 PROJECT WORK			MAY 2023	13
PW-01 PROJECT WORK			JUNE 2023	8

CHANDERNAGORE COLLEGE**CURRICULUM PLAN****SUBJECT: PHYSICS****NAME OF THE TEACHER: MURALIDHAR NANDI****DATE OF COMMENCEMENT OF
CLASSES: 23.08.2022****DATE OF DISSOLUTION OF CLASS: 09.02.2023****ACADEMIC SESSION:
2022-2023****PROGRAM TYPE:
HONOURS/ GENERAL/ GENERIC****SEMESTER: I**

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 Mathematical Physics I	Introduction to probability	Independent random variables: Probability distribution functions; binomial, Gaussian, and Poisson, with examples.	August 2022	2
CC-1 Mathematical Physics I	Introduction to probability	Mean and variance. Dependent events: Conditional Probability. Bayes' Theorem and the idea of hypothesis testing. (4 Lectures)	September 2022	2
CC-2 Mechanics	Fundamentals of Dynamics	Reference frames. Inertial frames; Review of Newton's Laws of Motion. Galilean transformations; Galilean invariance.	September 2022	2
CC-2 Mechanics	Fundamentals of Dynamics	Momentum of variable-mass system: motion of rocket. Motion of a projectile in Uniform gravitational field Dynamics of a system of particles. Centre of Mass. Principle of conservation of momentum. Impulse.	November 2022	4
CC-2 Mechanics	Work and Energy	Work and Kinetic Energy Theorem. Conservative and non-conservative forces. Potential Energy. Energy diagram. Stable and unstable equilibrium. Elastic potential energy. Force as gradient of potential energy. Work & Potential energy. Work done by non-conservative forces. Law of conservation of Energy.	December 2022	4

CC-2 Mechanics	Collisions	Elastic and inelastic collisions between particles. Centre of Mass and Laboratory frames. (3 Lectures)	January 2023	3
CC-2 Mechanics	Non-Inertial Systems	Non-inertial frames and fictitious forces. Uniformly rotating frame. Laws of Physics in rotating coordinate systems. Centrifugal force. Components of Velocity and Acceleration in Cylindrical and Spherical Coordinate Systems. (4 Lectures)	January 2023	3
CC-2 Mechanics	Non-Inertial Systems	Coriolis force and its applications.	February 2023	1
GE-1/CC-1A: Mechanics	Laws of Motion	Frames of reference. Newton's Laws of motion. (10 Lectures)	August 2022	1
GE-1/CC-1A: Mechanics	Laws of Motion	Dynamics of a system of particles.	September 2022	4
GE-1/CC-1A: Mechanics	Laws of Motion	Centre of Mass.	November 2022	4
GE-1/CC-1A: Mechanics	Laws of Motion	Problem solving on Centre of Mass	December 2022	1
GE-1/CC-1A: Mechanics	Momentum and Energy	Conservation of momentum.	December 2022	2
GE-1/CC-1A: Mechanics	Momentum and Energy	Work and energy. Conservation of energy.	January 2023	3
GE-1/CC-1A: Mechanics	Momentum and Energy	Motion of rockets.	February 2023	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-7 Digital systems and Applications	Introduction to CRO	Block Diagram of CRO. Electron Gun, Deflection System and Time Base. Deflection Sensitivity.	July 2022	2
CC-7 Digital systems and Applications	Introduction to CRO	Applications of CRO: (1) Study of Waveform, (2) Measurement of Voltage, Current, Frequency, and Phase Difference.	August 2022	1
CC-7 Digital systems and Applications	Integrated Circuits (Qualitative treatment only)	Active & Passive components. Discrete components. Wafer. Chip. Advantages and drawbacks of ICs. Scale of integration: SSI, MSI, LSI and VLSI (basic idea and definitions only). Classification of ICs. Examples of Linear and Digital ICs.	August 2022	3
CC-7 Digital systems and Applications	Data processing circuits	Basic idea of Multiplexers, De-multiplexers, Decoders, Encoders.	August 2022	4
CC-7 Digital systems and Applications	Arithmetic Circuits	Binary Addition. Binary Subtraction using 2's Complement. Half and Full Adders. Half & Full Subtractors, 4-bit binary Adder/Subtractor. (5 Lectures)	September 2022	5
CC-7 Digital systems and Applications	Sequential Circuits	SR Flip-Flop	September 2022	1
CC-7 Digital systems and Applications	Sequential Circuits	D, and JK. Clocked (Level and Edge Triggered) Flip- Flops. Preset and Clear operations. Race-around conditions in JK Flip- Flop. M/S JK Flip-Flop.	November 2022	5
CC-7 Digital systems and Applications	Timers: IC 555	Block diagram and applications, Astable multivibrator	November 2022	2
	Timers: IC 555	Monostable multivibrator.	December 2022	1

CC-7 Digital systems and Applications	Shift registers:	Serial-in-Serial-out, Serial-in-Parallel-out, Parallel-in-Serial-out and Parallel-in-Parallel out Shift Registers (only up to 4 bits).	December 2022	2
CC-7 Digital systems and Applications	Counters (4 bits)	Ring Counter. Asynchronous counters, Decade Counter. Synchronous Counter.	December 2022	4
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Theory of Radiation	Blackbody radiation, Spectral distribution, Concept of Energy Density,	July 2022	2
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Theory of Radiation	Derivation of Planck's law, Deduction of Wien's distribution law, Rayleigh Jeans Law, Stefan Boltzmann Law and Wien's displacement law from Planck's law	August 2022	4
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Statistical Mechanics	Phase space, Macrostate and Microstate, Entropy and Thermodynamic probability,	September 2022	4
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Statistical Mechanics	Maxwell-Boltzmann law - distribution of velocity - Quantum statistics - Fermi-Dirac distribution law - electron gas -	November 2022	4
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Statistical Mechanics	Bose-Einstein Distribution law - photon gas - comparison of three statistics.	December 2022	4

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12 Solid state Physics	Crystal Structure	Solids: Amorphous and Crystalline Materials. Lattice Translation Vectors. Lattice with a Basis – Central and Non-Central Elements. Unit Cell.	July 2022	3
CC-12 Solid state Physics	Crystal Structure	Miller Indices. Reciprocal Lattice. Types of Lattices. Brillouin Zones. Diffraction of X-rays by Crystals. Bragg’s Law. Atomic and Geometrical Factor. (12 Lectures)	August 2022	9
CC-12 Solid state Physics	Elementary Lattice Dynamics	Lattice Vibrations and Phonons: Linear Monoatomic and Diatomic Chains.	August 2022	2
CC-12 Solid state Physics	Elementary Lattice Dynamics	Acoustical and Optical Phonons. Qualitative Description of the Phonon Spectrum in Solids Dulong and Petit’s Law, Einstein and Debye theories of specific heat of solids. T ₃ law (10 Lectures)	September 2022	8
CC-12 Solid state Physics	Magnetic Properties of Matter	Dia-, Para-, Ferri- and Ferromagnetic Materials. Classical Langevin Theory of dia– and Paramagnetic Domains.	September 2022	2
CC-12 Solid state Physics	Magnetic Properties of	Quantum Mechanical Treatment of Paramagnetism. Curie’s	November 2022	6

	Matter	law, Weiss's Theory of Ferromagnetism and Ferromagnetic Domains. Discussion of B-H Curve. Hysteresis and Energy Loss. (8 Lectures)		

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3: Electricity and Magnetism	Electric Field and Electric Potential	Electric field: Electric field lines. Electric flux. Gauss' Law with applications to charge distributions with spherical, symmetry. (6 Lectures)	March 2023	4
CC-3: Electricity and Magnetism	Electric Field and Electric Potential	Gauss' Law with applications to charge distributions with cylindrical and planar symmetry. (6 Lectures)	April 2023	2
CC-3: Electricity and Magnetism	Electric Field and Electric Potential	Conservative nature of Electrostatic Field. Electrostatic Potential. Laplace's and Poisson equations. The Uniqueness Theorem.	April 2023	3

CC-3: Electricity and Magnetism	Electric Field and Electric Potential	Potential and Electric Field of a dipole. Force and Torque on a dipole. (6 Lectures)	May 2023	3
CC-3: Electricity and Magnetism	Electric Field and Electric Potential	Electrostatic energy of system of charges.	May 2023	1
CC-3: Electricity and Magnetism	Electric Field and Electric Potential	Electrostatic energy of a charged sphere. Conductors in an electrostatic Field. Surface charge and force on a conductor. Capacitance of a system of charged conductors. Parallel-plate capacitor. Capacitance of an isolated conductor.	June 2023	5
CC-3: Electricity and Magnetism	Electric Field and Electric Potential	Method of Images and its application to: (1) Plane Infinite Sheet and (2) Sphere.	July 2023	4
CC-1B/GE2 : Electricity and Magnetism	Electrostatics	Electrostatic Field, electric flux, Gauss's theorem of electrostatics. Applications of Gauss theorem- Electric field due to point charge, infinite line of charge,	March 2023	4
CC-1B/GE2 : Electricity and Magnetism	Electrostatics	Applications of Gauss theorem- Electric field due to uniformly charged spherical shell and solid sphere, plane charged sheet, charged conductor.	April 2023	5
CC-1B/GE2 : Electricity and Magnetism	Electrostatics	Electric potential as line integral of electric field, potential due to a point charge, electric dipole, uniformly charged spherical shell and solid sphere.	May 2023	4
CC-1B/GE2 : Electricity and Magnetism	Electrostatics	Calculation of electric field from potential. Capacitance of an isolated spherical conductor. Parallel plate, spherical and cylindrical condenser. Energy per unit volume in electrostatic field.	June 2023	5
CC-1B/GE2 : Electricity and Magnetism	Electrostatics	Dielectric medium, Polarisation, Displacement vector. Gauss's theorem in dielectrics. Parallel plate capacitor completely filled with dielectric.	July 2023	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-10: Analog Systems and Applications	Semiconductor Diodes	P and N type semiconductors. Energy Level Diagram. Conductivity and Mobility, Concept of Drift velocity. PN Junction Fabrication (Simple Idea). Barrier Formation in PN Junction Diode. Static and Dynamic Resistance. Current Flow Mechanism in Forward and Reverse Biased Diode.	March 2023	6

		Drift Velocity.		
CC-10: Analog Systems and Applications	Semiconductor Diodes	Derivation for Barrier Potential, Barrier Width and Current for Step Junction. Current Flow Mechanism in Forward and Reverse Biased Diode. (10 Lectures)	April 2023	4
CC-10: Analog Systems and Applications	Two-terminal Devices and their Applications	(1) Rectifier Diode: Half-wave Rectifiers. Centre-tapped and Bridge Full-wave Rectifiers, Calculation of Ripple Factor and Rectification Efficiency, C-filter (2) Zener Diode and Voltage Regulation.	April 2023	4
CC-10: Analog Systems and Applications	Two-terminal Devices and their Applications	Principle and structure of (1) LEDs, (2) Photodiode and (3) Solar Cell.	May 2023	2
CC-10: Analog Systems and Applications	Feedback in Amplifiers	Effects of Positive and Negative Feedback on Input Impedance, Output Impedance, Gain, Stability, Distortion and Noise. (4 Lectures)	May 2023	4
CC-10: Analog Systems and Applications	Sinusoidal Oscillators	Barkhausen's Criterion for self-sustained oscillations. RC Phase shift oscillator, determination of Frequency.	May 2023	2
CC-10: Analog Systems and Applications	Sinusoidal Oscillators	Hartley & Colpitts oscillators.	June 2023	2
CC-10: Analog Systems and Applications	Conversion	Resistive network (Weighted and R-2R Ladder). Accuracy and Resolution. A/D Conversion (successive approximation) (3 Lectures)	June 2023	3
CC-10: Analog Systems and Applications	Radioactivity	stability of the nucleus; Law of radioactive decay; Mean life and half-life; Alpha decay;	June 2023	3
CC-9: Elements of Modern Physics	Radioactivity	Beta decay- energy released, spectrum and Pauli's prediction of neutrino; Gamma ray emission, energy momentum conservation: electron-positron pair creation by gamma photons in the vicinity of a	July 2023	5

		nucleus. (8 Lectures)		

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-14 : Statistical Mechanics	Classical Statistics	Macrostate & Microstate, Elementary Concept of Ensemble, Phase Space, Entropy and Thermodynamic Probability, Maxwell-Boltzmann Distribution Law, Partition Function, Thermodynamic Functions of an Ideal Gas, Classical Entropy Expression, Gibbs Paradox, Sackur Tetrode equation,	February 2023	12
CC-14 : Statistical Mechanics	Classical Statistics	Law of Equipartition of Energy (with proof) – Applications to Specific Heat and its Limitations, Thermodynamic Functions of a Two-Energy Levels System, Negative Temperature.	March 2023	6
CC-14 : Statistical Mechanics	Classical Theory of Radiation	Properties of Thermal Radiation. Blackbody Radiation. Pure temperature dependence. Kirchhoff's law. Stefan-Boltzmann law: Thermodynamic proof. Radiation Pressure. Wien's Displacement law. Wien's Distribution Law. Saha's Ionization Formula. Rayleigh-Jeans Law. Ultraviolet Catastrophe.	March 2023	9
CC-14 : Statistical Mechanics	Quantum Theory of Radiation	Spectral Distribution of Black Body Radiation. Planck's Quantum Postulates. Planck's Law of Blackbody Radiation: Experimental Verification. Deduction of (1) Wien's Distribution Law, (2)	April 2023	5

		Rayleigh-Jeans Law, (3) Stefan-Boltzmann Law, (4) Wien's Displacement law from Planck's law.		
CC-14 : Statistical Mechanics	Bose-Einstein Statistics	B-E distribution law, Thermodynamic functions of a strongly Degenerate Bose Gas, Bose Einstein condensation, properties of liquid He (qualitative description),	April 2023	9
CC-14 : Statistical Mechanics	Bose-Einstein Statistics	Radiation as a photon gas and Thermodynamic functions of photon gas. Bose derivation of Planck's law.	May 2023	4
DSE-3 Nuclear & Particle Physics	Nuclear Reactions	Types of Reactions, Conservation Laws, kinematics of reactions, Q-value, reaction rate, reaction cross section, Concept of compound and direct Reaction, resonance reaction, Coulomb scattering (Rutherford scattering).	May 2023	8
DSE-3 Nuclear & Particle Physics	Particle Accelerators	Accelerator facility available in India: Van-de Graaff generator (Tandem accelerator), Linear accelerator, Cyclotron, Synchrotrons.	June 2023	5
DSE-1B : Digital and Analog Circuits and Instrumentati on	Operational Amplifiers (Black Box approach)	Characteristics of an Ideal and Practical Op-Amp (IC 741), Open-loop & Closed-loop Gain. CMRR, concept of Virtual ground.	February 2023	6
DSE-1B : Digital and Analog Circuits and Instrumentati on	Operational Amplifiers (Black Box approach)	Applications of Op-Amps: (1) Inverting and Non-inverting Amplifiers, (2) Adder, (3) Subtractor, (4) Differentiator, (5) Integrator, (6) Zero Crossing Detector.	March 2023	7
DSE-1B : Digital and Analog Circuits and Instrumentati on	Sinusoidal Oscillators	Barkhausen's Criterion for Self-sustained Oscillations. Determination of Frequency of RC Oscillator	April 2023	5

DSE-1B : Digital and Analog Circuits and Instrumentati on	Instrumentations	Introduction to CRO: Block Diagram of CRO. Applications of CRO: (1) Study of Waveform, (2) Measurement of Voltage, Current, Frequency, and Phase Difference.	May 2023	4
DSE-1B : Digital and Analog Circuits and Instrumentati on	Timer IC	IC 555 Pin diagram and its application		1
DSE- 1B :Digital and Analog Circuits and Instrumentati on	Timer IC	Application of IC 555 as Astable & Monostable Multivibrator	June 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHYSICS				
NAME OF THE TEACHER: RAM NARAYAN DEB				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-II: MECHANICS	GRAVITATION AND CENTRAL FORCE MOTION	LAW OF GRAVITATION, GRAVITATIONAL POTENTIAL ENERGY	August 2022	1
CC-II: MECHANICS	GRAVITATION AND CENTRAL FORCE MOTION	INERTIAL AND GRAVITATIONAL MASS, GRAVITATIONAL POTENTIAL AND FIELD DUE TO A UNIFORM THIN RING ON ITS AXIS	August 2022	1
CC-II: MECHANICS	GRAVITATION AND CENTRAL FORCE MOTION	GRAVITATIONAL POTENTIAL AND FIELD DUE TO A SPHERICAL SHELL	September 2022	1
CC-II: MECHANICS	GRAVITATION AND CENTRAL FORCE MOTION	GRAVITATIONAL POTENTIAL AND FIELD DUE TO A SOLID SPHERE.	September 2022	1
CC-II: MECHANICS	GRAVITATION AND CENTRAL FORCE MOTION	GRAVITATIONAL POTENTIAL AND FIELD DUE TO A THICK SPHERICAL SHELL.	September 2022	1
CC-II: MECHANICS	ELASTICITY	STRESS, STRAIN, HOOKE'S LAW	September 2022	1

CC-II: MECHANICS	ELASTICITY	VARIOUS TYPES OF MODULI OF ELASTICITY.	November 2022	1
CC-II: MECHANICS	ELASTICITY	RELATION BETWEEN ELASTIC CONSTANTS	November 2022	1
CC-II: MECHANICS	ELASTICITY	TWISTING TORQUE ON A CYLINDER OR WIRE	November 2022	1
CC-II: MECHANICS	Oscillations	Simple harmonic oscillations, Differential equation of SHM and its solution.	December 2022	1
CC-II: MECHANICS	Oscillations	Kinetic energy, potential energy, total energy and their time-average values	December 2022	1
CC-II: MECHANICS	Oscillations	Damped oscillation	December 2022	1
CC-II: MECHANICS	Oscillations	Damped oscillation	January 2023	1
CC-II: MECHANICS	Oscillations	Forced oscillations: Transient and steady states	January 2023	1
CC-II: MECHANICS	Oscillations	Resonance, sharpness of resonance	January 2023	1
CC-II: MECHANICS	Oscillations	Power dissipation and Quality Factor.	January 2023	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Periodic functions. Orthogonality of sine and cosine functions	July, 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Dirichlet Conditions (Statement only	July, 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Expansion of periodic functions in a series of sine and cosine functions and determination of Fourier coefficients	September 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Complex representation of Fourier series	September 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Expansion of functions with arbitrary period	September 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Expansion of non-periodic functions over an interval	September 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Even and odd functions and their Fourier expansions	September 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Application. Summing of Infinite Series	September 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Term-by-Term differentiation and integration of Fourier Series	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Fourier Series	Parseval Identity	November 2022	1

CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Singular Points of Second Order Linear Differential Equations and their importance.	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Singular Points of Second Order Linear Differential Equations and their importance.	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Frobenius method and its applications to differential equations	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Solution of Legendre's differential equation	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Solution of Legendre's differential equation	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Legendre Polynomials	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Generating Function of Legendre Polynomials	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Properties of Legendre Polynomials	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Rodrigues Formula and Legendre Polynomials	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Orthogonality of Legendre Polynomials	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Simple recurrence relations of Legendre Polynomials	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Solution of Bessel's differential equation	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Solution of Bessel's differential equation	November 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Generating Function of Bessel's functions	November 2022	1

CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Properties of Bessel's functions	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Rodrigues Formula for Bessel's functions	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Orthogonality of Bessel functions	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Simple recurrence relations of Bessel functions	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Expansion of function in a series of Legendre Polynomials	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Bessel Functions of the First Kind	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Bessel Functions of the First Kind	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Zeros of Bessel Functions ($J_0(x)$ and $J_1(x)$)	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Zeros of Bessel Functions ($J_0(x)$ and $J_1(x)$)	December 2022	1
CC- V: MATHEMATICAL PHYSICS-II	Frobenius Method and Special Functions	Zeros of Bessel Functions ($J_0(x)$ and $J_1(x)$)	December 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Time independent Schrodinger equation in spherical polar coordinates; separation of variables for second order partial differential equation	July 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Angular momentum operator & quantum numbers	July 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Angular momentum operator & quantum numbers	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Radial wavefunctions from Frobenius method	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Radial wavefunctions from Frobenius method	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Shapes of the probability densities for ground & first excited states	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Orbital angular momentum quantum numbers l and m; s, p, d shells	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Quantum theory of hydrogen-like atoms	Orbital angular momentum quantum numbers l and m; s, p, d shells	August 2022	1

CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Electron angular momentum	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Space quantization	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Electron Spin and Spin Angular Momentum	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Larmor's Theorem	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Spin Magnetic Moment, Stern-Gerlach Experiment	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Zeeman Effect: Electron Magnetic Moment and Magnetic Energy, Gyromagnetic Ratio and Bohr Magnetron.	August 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Zeeman Effect: Electron Magnetic Moment and Magnetic Energy, Gyromagnetic Ratio and Bohr Magnetron.	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in Electric & Magnetic Fields	Zeeman Effect: Electron Magnetic Moment and Magnetic Energy, Gyromagnetic Ratio and Bohr Magnetron.	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in External Magnetic Fields	Normal and Anomalous Zeeman Effect	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in External Magnetic Fields	Normal and Anomalous Zeeman Effect	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in External Magnetic Fields	Paschen Back Effect	September 2022	1

CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Atoms in External Magnetic Fields	Stark Effect (Qualitative Discussion only)	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Pauli's Exclusion Principle. Symmetric &Antisymmetric Wave Functions	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Pauli's Exclusion Principle. Symmetric &Antisymmetric Wave Functions	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Periodic table	September 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Periodic table	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Fine structure; Spin orbit coupling	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Fine structure; Spin orbit coupling	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Total angular momentum	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Spectral Notations for Atomic States	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Vector Model	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Spin-orbit coupling in atoms- L-S and J-J couplings	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Spin-orbit coupling in atoms- L-S and J-J couplings	November 2022	1

CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Hund's Rule, Term symbols	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Spectra of Hydrogen and Alkali Atoms (Na etc.)	November 2022	1
CC – XI : QUANTUM MECHANICS AND APPLICATIONS	Many electron atoms	Spectra of Hydrogen and Alkali Atoms (Na etc.)	November 2022	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Electric Field in matter, Polarization	March 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Polarization Charges	March 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Polarization Charges	March 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Electrical Susceptibility and Dielectric Constant	March 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Capacitance of a system of charged conductors	March 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Parallel-plate capacitor	March 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Capacitor (parallel plate, spherical, cylindrical) filled with dielectric	April 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Capacitor (parallel plate, spherical, cylindrical) filled with dielectric	April 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Displacement vector D. Relations between E, P and D	April 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Dielectric Properties of Matter	Gauss’ Law in dielectrics	April 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Magnetic force between current elements	April 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Definition of Magnetic Field B and Biot-Savarts law	April 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Biot-Savarts law and its simple application	April 2023	1

CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Biot-Savart's law in case of straight wire and circular loop.	April 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Current Loop as a Magnetic Dipole and its Dipole Moment (Analogy with Electric Dipole)	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Ampere's Circuital Law and its application to (1) Solenoid and (2) Toroid	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Ampere's Circuital Law and its application to (1) Solenoid and (2) Toroid	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Properties of B: curl and divergence	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Vector Potential	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Magnetic Force on (1) point charge (2) current carrying wire (3) between current elements	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Magnetic Force on (1) point charge (2) current carrying wire (3) between current elements	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Field	Torque on a current loop in a uniform Magnetic Field	May 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Properties of Matter	Magnetization vector (M). Magnetic Intensity(H)	June 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Properties of Matter	Magnetic Susceptibility and permeability	June 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Properties of Matter	Relation between B, H, M	June 2023	1
CC- III: ELECTRICITY AND MAGNETISM	Magnetic Properties of Matter	Ferromagnetism, B-H curve and hysteresis	June 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Blackbody Radiation	March 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Planck’s constant and light as a collection of photons	March 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Quantum theory of Light, Photo-electric effect	March 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Photo-electric effect	March 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Photo-electric effect	March 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Compton scattering	March 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Compton scattering	April 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	De Broglie wavelength and matter waves	April 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Davisson-Germer experiment	April 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Wave description of particles by wave packets, Group and Phase velocities and relation between them	April 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Two-Slit experiment with electrons	April 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Probability	April 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Planck’s quantum	Wave amplitude and wave functions	April 2023	1

CC - IX: ELEMENTS OF MODERN PHYSICS	Position measurement	Gamma ray microscope thought experiment	April 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Position measurement	Wave-particle duality	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Position measurement	Heisenberg uncertainty principle (Uncertainty relations involving Canonical pair of variables)	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Position measurement	Derivation from Wave Packets impossibility of a particle following a trajectory	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Position measurement	Estimating minimum energy of a confined particle using uncertainty principle	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Position measurement	Energy-time uncertainty principle- application to virtual particles and range of an interaction.	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Two slit interference experiment with photons, atoms and particles	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Linear superposition principle as a consequence	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Matter waves and wave amplitude	May 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Schrodinger equation for non-relativistic particles	June 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Momentum and Energy operators	June 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Stationary states; physical interpretation of a wave function	June 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Probabilities and normalization	June 2023	1
CC - IX: ELEMENTS OF MODERN PHYSICS	Quantum Physics	Probability and probability current densities. Probability Current densities in one dimension	June 2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Review of Maxwell’s equations	February 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Review of Maxwell’s equations	February 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Displacement Current	February 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Vector and Scalar Potentials	February 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Gauge Transformations	February 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Lorentz and Coulomb Gauge	February 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Boundary Conditions at Interface between Different Media	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Wave Equations. Plane Waves in Dielectric Media	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Electromagnetic (EM) Energy Density	March 2023	1

CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Poynting's Theorem and Poynting Vector	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Physical Concept of Electromagnetic Field Energy Density	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Maxwell Equations	Momentum Density and Angular Momentum Density	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Basics of Polarization	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Description of Linear, Circular and Elliptical Polarization	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Description of Linear, Circular and Elliptical Polarization	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Propagation of E.M. Waves in Anisotropic Media	March 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Symmetric Nature of Dielectric Tensor	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Fresnel's Formula	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Uniaxial and Biaxial Crystals	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Light Propagation in Uniaxial Crystal	April 2023	1

CC - XIII: ELECTROMAGNETIC	Polarization of Electromagnetic	Polarization by Double Refraction	April 2023	1

THEORY	Waves			
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Nicol Prism	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Ordinary & extraordinary refractive indices	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Production & detection of Plane, Circularly and Elliptically Polarized Light	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Production & detection of Plane, Circularly and Elliptically Polarized Light	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Production & detection of Plane, Circularly and Elliptically Polarized Light	April 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Phase Retardation Plates: Quarter- Wave and Half- Wave Plates	May 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Phase Retardation Plates: Quarter- Wave and Half- Wave Plates	May 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Babinet Compensator and its Uses	May 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Polarization of Electromagnetic Waves	Analysis of Polarized Light	May 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Rotatory Polarization	Optical Rotation	May 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Rotatory Polarization	Biot's Laws for Rotatory Polarization	May 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Rotatory Polarization	Fresnel's Theory of optical rotation	May 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Rotatory Polarization	Calculation of angle of rotation.	May 2023	1

CC - XIII: ELECTROMAGNETIC THEORY	Rotatory Polarization	Experimental verification of Fresnel's theory	June 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Rotatory Polarization	Specific rotation	June 2023	1
CC - XIII: ELECTROMAGNETIC THEORY	Rotatory Polarization	Laurent's half- shade polarimeter	June 2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-3 : Nuclear and Particle Physics	Particle physics	Particle interactions	February 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Basic features	February 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Types of particles and its families	February 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Symmetries and Conservation Laws of energy and momentum	February 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Symmetry and Conservation Law of angular momentum	March 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Symmetry and Conservation Law of Parity	March 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Symmetry and Conservation Law of Baryon Number	March 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Symmetry and Conservation Law of Lepton Number	March 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Symmetry and Conservation Law of Strangeness	April 2023	1

DSE-3 : Nuclear and Particle Physics	Particle physics	Symmetry and Conservation Law of Charm	April 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Concept of quark model	April 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Concept of quark model	April 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Colour quantum number	May 2023	1
DSE-3 : Nuclear and Particle Physics	Particle physics	Gluons	May 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHYSICS				
NAME OF THE TEACHER: PIJUSH KANTI MUKHEREJEE				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 Mathematical Physics I	Vector Differentiation	Concept of scalar function ,vector function, Ordinary derivatives and Partial derivatives of vectors ,differentials of vectors,Vector differential operator Del,,Gradient of a scalar field and its physical interpretation	August 2022	2
CC-1 Mathematical Physics I	Vector Differentiation	Directional derivative and normal derivative, Divergence of a vector field and its physical interpretation,	September 2022	4
CC-1 Mathematical Physics I	Vector Differentiation	Curl of a vector field and its physical interpretation, Laplacian operator,Vector identities	November 2022	2
CC-1 Mathematical Physics I	Vector Integration	Ordinary Integrals of Vectors, Multiple integrals,Concept of infinitesimal line, surface and volume elements	November 2022	2
CC-1 Mathematical Physics I	Vector Integration	Line and surface integrals of Vector fields	December 2022	4
CC-1 Mathematical Physics I	Vector Integration	volume integrals of Vector fields, Flux of a vector field.	January 2023	6
CC-1 Mathematical Physics I	Vector Integration	Statements of Gauss' divergence theorem, Green's Theorem and Stokes Theorems and their applications (without proofs).	February 2023	2
GE-1/CC-1A: Mechanics	Vectors	Vector algebra. Scalar and vector products of two vectors with examples.	August 2022	2
GE-1/CC-1A: Mechanics	Vectors	Scalar triple product and vector triple product. Ordinary Derivatives of a vector with respect to a parameter	September 2022	2
GE-1/CC-1A: Mechanics	Rotational Motion	Angular velocity, angular acceleration and angular momentum.	September 2022	1
GE-1/CC-1A: Mechanics	Rotational Motion	Fundamental equations of rotational motion, Torque of a force about the axis of rotation	November 2022	3
GE-1/CC-1A: Mechanics	Rotational Motion	Principle of Conservation of angular momentum and its applications	December 2022	1
GE-1/CC-1A: Mechanics	Oscillations	Simple harmonic motion and its characteristics, Differential equation of SHM and its solutions.	December 2022	1
GE-1/CC-1A: Mechanics	Oscillations	Kinetic Energy, Potential Energy and Total Energy of a particle executing SHM and their time averages	January 2023	4
GE-1/CC-1A: Mechanics	Oscillations	Damped harmonic oscillation	February 2023	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-7 Digital systems and Applications	Digital Circuits	Difference between Analog and Digital Circuits, Binary Numbers, Decimal to Binary and Binary to Decimal Conversion, Octal and Hexadecimal number systems, Binary Coded Decimal (BCD)	July 2022	2
CC-7 Digital systems and Applications	Digital Circuits	Logic circuits(gates), AND, OR and NOT logic gates, Realization of AND, OR and NOT gates using Diodes and Transistor, NAND and NOR Gates as Universal Gates , XOR and XNOR Gates, Parity Checkers	August 2022	4
CC-7 Digital systems and Applications	Boolean Algebra	Boolean algebra, operations of Boolean algebra, De Morgan's Theorems, Useful laws of Boolean algebra, Logic Circuit implementation of Boolean expression, Simplification of Boolean expression using laws of Boolean Algebra, implementation of logic circuit for a given truth table,	August 2022	4
CC-7 Digital systems and Applications	Boolean Algebra	Fundamental Products, Idea of Minterms and Maxterms, Conversion of a Truth table into Equivalent Logic Circuit by (1) Sum of Products Method and (2) Karnaugh Map.	September 2022	2
CC-7 Digital systems and Applications	Computer organisation	Functional units of a digital computer system(Input unit, Storage unit, Arithmetic - Logic unit, Control unit, and Output unit), Data storage (idea of RAM and ROM), Computer memory	September 2022	4
CC-7 Digital systems and Applications	Computer organisation	Memory organization & addressing, Memory Interfacing, Memory Map.	November 2022	2
CC-7 Digital systems and Applications	Intel 8085 Microprocessor Architecture	Main features of 8085 Microprocessor, Block diagram, Components, Pin-out diagram, Buses, Registers, ALU, Memory, Stack memory,	November 2022	5
CC-7 Digital systems and Applications	Intel 8085 Microprocessor Architecture	Timing & Control circuitry,Timing states, Instruction cycle, Timing diagram of MOV and MVI.	December 2022	3
CC-7 Digital systems and Applications	Introduction to Assembly Language	Programming a microprocessor, Introduction to Assembly Language, 1 byte, 2 byte & 3 byte instructions.	December 2022	4
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Thermodynamic Potential	Concept of Thermodynamic Potentials,Thermodynamic Potentials - Enthalpy, Gibbs energy, Helmholtz energy and Internal Energy ,	July 2022	1
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Thermodynamic Potential	Important relations of partial differentiation used in Thermodynamics, Maxwell's Thermodynamic relations, Application of Maxwell's relations - Clausius- Clapeyron equation,	August 2022	3

CC-1C / GE3 Thermal Physics and Statistical Mechanics	Thermodynamic Potential	More applications of Maxwell's relations - Change in internal energy of ideal and real gas in isothermal process, Cooling on adiabatic expansion, Cooling or heating on compression, Relation between specific heat capacities	September 2022	3
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Thermodynamic Potential	TdS equations and their importance	November 2022	2
CC-1C / GE3 Thermal Physics and Statistical Mechanics	Thermodynamic Potential	Joule-Thomson Effect (Porous plug experiment)	December 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 29.11.2022	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER-V				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12 Solid state Physics	Dielectric Properties of Materials	Polarization, Local Electric Field at an Atom, Depolarization Field, Electric Susceptibility, Polarizability.	July 2022	3
CC-12 Solid state Physics	Dielectric Properties of Materials	Clausius Mosotti Equation, Classical Theory of Electric Polarizability, Normal and Anomalous Dispersion,Cauchy and Sellmeier relations, Langevin-Debye equation, Complex Dielectric Constant, Optical Phenomena, Plasma Oscillations, Plasma Frequency, Plasmons, TO modes.	August 2022	5
CC-12 Solid state Physics	Ferroelectric Properties of Materials	Structural phase transition, Classification of crystals, Piezoelectric effect, Pyroelectric effect, Ferroelectric effect, Electrostrictive effect, Curie-Weiss Law, Ferroelectric domains, PE hysteresis loop.	August 2022	6
CC-12 Solid state Physics	Elementary band theory	Kronig Penny model, Band Gap, Conductor, Semiconductor (P and N type) and insulator, Conductivity of Semiconductor, mobility, Hall Effect.Measurement of conductivity (by Four probe method), Hall coefficient.	September 2022	10
CC-12 Solid state Physics	Superconductivit y	Superconductivity: Experimental Results. Critical Temperature.Critical magnetic field.Meissner effect. Type I and type II Superconductors, London’s Equation and Penetration Depth. Isotope effect. Idea of BCS theory (No derivation)	November 2022	6

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-2: Waves & Optics	Wave Optics	Electromagnetic nature of light, Definition and properties of wave front.Huygens Principle, Temporal and Spatial Coherence.	March 2023	3
CC-2: Waves & Optics	Interference	Division of amplitude and wavefront. Young’s double slit experiment.	March 2023	1
CC-2: Waves & Optics	Interference	Fresnel’s Biprism experiment, Lloyd’s Mirror experiment , Phase change on reflection (Stokes’ treatment) Interference in Thin Films: parallel and wedge-shaped films, Fringes of equal inclination (Haidinger Fringes), Fringes of equal thickness (Fizeau Fringes),	April 2023	5
CC-2: Waves & Optics	Interference	Newton’s Rings, Measurement of wavelength of light source and refractive index a liquid	May 2023	3
CC-2: Waves & Optics	Interferometer	Michelson Interferometer- Idea of formation of fringes (No theory required), Determination of Wavelength of light source, Determination of Wavelength	May 2023	2
CC-2: Waves & Optics	Interferometer	Using Michelson Interferometer determination of difference between two closely spaced wavelengths, determination of Refractive Index of liquid , Visibility of Fringes. Fabry-Perot interferometer.	June 2023	2
CC-2: Waves & Optics	Diffraction	Kirchhoff’s Integral Theorem, Fresnel-Kirchhoff’s Integral formula. (Qualitative discussion only)	June 2023	2
CC-2: Waves & Optics	Fraunhofer diffraction	Single slit, Circular aperture,	June 2023	2

CC-2: Waves & Optics	Fraunhofer diffraction	Resolving Power of a telescope. Double slit. Multiple slits. Diffraction grating. Resolving power of grating. (8 Lectures)	July 2023	6

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-10: Analog Systems and Applications	Bipolar Junction transistors	Bipolar Junction transistors: n-p-n and p-n-p transistors. Characteristics of CB, CE and CC Configurations, Current gains α and β , Relations between α and β , Load Line analysis of Transistors, DC Load line and Q-point, Physical Mechanism of Current Flow, Active, Cutoff and Saturation Regions.	March 2023	6
CC-10: Analog Systems and Applications	Amplifiers	Transistor Biasing and Stabilization Circuits, Fixed Bias and Voltage Divider Bias, Transistor as 2-port Network.h-parameter Equivalent Circuit	April 2023	8
CC-10: Analog Systems and Applications	Amplifiers	Analysis of a single-stage CE amplifier using Hybrid Model. Expressions for Input and Output Impedance, Current, Voltage and Power Gains,Classification of Class A, B & C Amplifiers.	May 2023	2
CC-10: Analog Systems and Applications	Coupled Amplifier	Coupled Amplifier: Two stage RC-coupled amplifier and its frequency response.	May 2023	4
CC-10: Analog Systems and Applications	Operational Amplifiers	Operational Amplifiers (Black Box approach), Characteristics of an Ideal and Practical Op-Amp(IC741), Open-loop and Closed-loop Gain, Frequency Response, CMRR, Slew Rate and concept of Virtual ground	June 2023	4
CC-10: Analog Systems and Applications	Applications of Op-Amps	Applications of Op-Amps as Inverting amplifiers , non-inverting amplifiers, Adder, Subtractor, Differentiator	June 2023	4
CC-10: Analog Systems	Applications of Op-Amps	Applications of Op-Amps as Integrator, Log amplifier, Zero crossing detector Wein bridge oscillator.	July 2023	5

and Application s				
GE-4 & CC-1D: Waves & Optics	Wave Optics	Electromagnetic nature of light. Definition and Properties of wave front, Huygens Principle.	March 2023	3
GE-4 & CC-1D: Waves & Optics	Interference	Division of amplitude and division of wavefront. Young's Double Slit experiment.	March 2023	1
GE-4 & CC-1D: Waves & Optics	Interference	Fresnel's Biprism experiment, Lloyd's Mirror experiment, Phase change on reflection, Stokes' treatment, Interference in Thin Films, parallel and wedge-shaped films. Fringes of equal inclination (Haidinger Fringes); Fringes of equal thickness (Fizeau Fringes)	April 2023	5
GE-4 & CC-1D: Waves & Optics	Interference	Newton's Ring experiment , measurement of wavelength and refractive index using Newton's Ring experiment	May 2023	4
GE-4 & CC-1D: Waves & Optics	Michelson's Interferometer	Idea of formation of fringes in Michelson's Interferometer (no theory needed), Determination of wavelength, Wavelength difference, Refractive index and Visibility of fringes	June 2023	3
GE-4 & CC-1D: Waves & Optics	Sound	Simple harmonic motion - forced vibrations and resonance, Fourier's Theorem-Application to sawtooth wave and square wave	June 2023	2
GE-4 & CC-1D: Waves & Optics	Sound	Intensity and loudness of sound ,Decibels - Intensity levels, musical notes, musical scale,Acoustics of buildings,Reverberation and time of reverberation , Absorption coefficient, Sabine's formula, measurement of reverberation time , Acoustic aspects of halls and auditoria.	July 2023	4

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13: Electromagne tic Theory	EM Wave Propagation in Unbounded Media	Plane EM waves through vacuum and isotropic dielectric medium, transverse nature of plane EM waves, refractive index and dielectric constant, wave impedance, Propagation through conducting media, relaxation time, skin depth,Wave propagation through dilute plasma, electrical conductivity of ionized gases, plasma frequency, refractive index, skin depth, application to propagation through the ionosphere.	February 2023	10
CC-13: Electromagne tic Theory	EM Wave in Bounded Media	Boundary conditions at a plane interface between two media, Reflection & Refraction of plane waves at plane interface between two dielectric media-Laws of Reflection & Refraction, Fresnel's Formula for perpendicular & parallel polarization cases , Brewster's law, Reflection & Transmission coefficients, Total internal reflection, evanescent waves, Metallic reflection (normal Incidence only)	March 2023	10
CC-13: Electromagne tic Theory	Wave Guides	Planar optical waveguides, Planar dielectric wave guide, Condition of continuity at interface, Phase shift on total reflection. Eigenvalue equations, Phase and group velocity of guided waves, Field energy and Power transmission	April 2023	8
CC-13: Electromagne tic Theory	Optical Fibres	Numerical Aperture. Step and Graded Indices (Definitions Only), Single and Multiple	April 2023	3

		Mode Fibres (Concept and Definition Only).		
DSE-3 Nuclear & Particle Physics	Interaction of Nuclear Radiation with matter	Energy loss due to ionization (Bethe- Block formula), energy loss of electrons, Cerenkov radiation., Gamma ray interaction through matter, photoelectric effect, Compton scattering, pair production, neutron interaction with matter.	May 2023	8
DSE-3 Nuclear & Particle Physics	Detector for Nuclear Radiations	Gas detectors: estimation of electric field, mobility of particle for ionization chamber and GM Counter.	May 2023	2
DSE-3 Nuclear & Particle Physics	Detector for Nuclear Radiations	Basic principle of Scintillation Detectors and construction of photo multiplier tube (PMT), Semiconductor Detectors (Si and Ge) for charge particle and photon detection (concept of charge carrier and mobility), neutron detector.	June 2023	6
DSE-1B : Digital and Analog Circuits and Instrumentati on	Semiconductor Devices and Amplifiers	Semiconductor Diodes: p and n type semiconductors. Barrier Formation in PN Junction Diode., Qualitative Idea of Current Flow Mechanism in Forward and Reverse Biased Diode, PN junction and its characteristics, Static and Dynamic Resistance.	February 2023	4
DSE-1B : Digital and Analog Circuits and Instrumentati on	Semiconductor Devices and Amplifier	Principle and structure of (1) LEDs (2) Photodiode (3) Solar Cell.	March 2023	1
DSE-1B : Digital and Analog Circuits and Instrumentati on	Bipolar Junction transistors	Bipolar Junction transistors: n-p-n and p-n-p Transistors. Characteristics of CB, CE and CC Configurations. Active, Cutoff, and Saturation Regions.	March 2023	3
DSE-1B : Digital and Analog Circuits and Instrumentati on	Bipolar Junction transistors	Current gains α and β , Relations between α and β , Load Line analysis of Transistors, DC Load line and Q point, Voltage Divider Bias Circuit for CE Amplifier	April 2023	4
DSE-1B : Digital and Analog	Bipolar Junction transistors	h-parameter Equivalent Circuit of transistor , Analysis of a single-stage CE amplifier using Hybrid Model, input and Output Impedance,	May 2023	4

Circuits and Instrumentation		Current, Voltage and Power Gains		
DSE-1B :Digital and Analog Circuits and Instrumentation	Bipolar Junction transistor	\Class A, B, and C Amplifiers.	June 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHYSICS				
NAME OF THE TEACHER: ATANU KUMAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 Mathematical Physics I	Calculus: Recapitulation	Recapitulation: Limits, continuity, average and instantaneous quantities, differentiation. Plotting functions. Intuitive ideas of continuous, differentiable, etc. functions and plotting of curves. Approximation: Taylor and binomial series (statements only).	August 2022	2
CC-1 Mathematical Physics I	Calculus: First Order and Second Order Differential equations	First Order Differential Equations and Integrating Factor. Homogeneous Equations with constant coefficients.	September 2022	6
CC-1 Mathematical Physics I	Calculus: First Order and Second Order Differential equations	Wronskian and general solution.Statement of existence and Uniqueness Theorem for Initial Value Problems.	November 2022	4
CC-1 Mathematical Physics I	Calculus: First Order and Second Order Differential equations	Particular Integral	December 2022	3
CC-1 Mathematical Physics I	Calculus: Calculus of functions of more than one variable	Partial derivatives, exact and inexact differentials.	December 2022	2
CC-1 Mathematical Physics I	Calculus: Calculus of functions of more than one variable	Integrating factor, with simple illustration.	January 2023	2
CC-1 Mathematical Physics I	Calculus: Calculus of functions of more than one variable	Constrained Maximization using Lagrange Multipliers.	January 2023	2
GE-1/CC-1A: Mechanics	Ordinary Differential Equations	1 st order homogeneous differential equations	August & September 2022	3
GE-1/CC-1A: Mechanics	Ordinary Differential Equations	2 nd order homogeneous differential equations with constant coefficients.	September 2022	3
GE-1/CC-1A: Mechanics	Special Theory of Relativity	Constancy of speed of light. Postulates of Special Theory of Relativity.	November 2022	3
GE-1/CC-1A: Mechanics	Special Theory of Relativity	Length contraction. Time dilation	December 2022	2
GE-1/CC-1A: Mechanics	Special Theory of Relativity	Relativistic addition of velocities	January 2023	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 Mathematical Physics II	Some Special Integrals	Beta and Gamma Functions and Relation between them	July 2022	2
CC-5 Mathematical Physics II	Some Special Integrals	Expression of Integrals in terms of Gamma Functions. Error Function (Probability Integral)	August 2022	2
CC-5 Mathematical Physics II	Partial Differential Equations	Solutions to partial differential equations, using separation of variables: Laplace's Equation in problems of rectangular and cylindrical symmetry	August 2022	6
CC-5 Mathematical Physics II	Partial Differential Equations	Laplace's Equation in problems of spherical symmetry. Wave equation and its solution for vibrational modes of a stretched string, rectangular and circular membranes.	September 2022	6
CC-5 Mathematical Physics II	Partial Differential Equations	Diffusion Equation.	November 2022	2
CC-5 Mathematical Physics II	Theory of Errors	Systematic and Random Errors. Propagation of Errors. Normal Law of Errors.	November 2022	3
CC-5 Mathematical Physics II	Theory of Errors	Standard and Probable Error. Least-squares fit. Error on the slope and intercept of a fitted line	December 2022	3
SEC-1 (General) Renewable Energy and Energy Harvesting	Fossil fuels and Alternate Sources of energy	Fossil fuels and Nuclear Energy, their imitation, need of renewable energy, non-conventional energy sources. An overview of developments in Offshore Wind Energy, Tidal Energy, Wave energy systems.	July 2022	2
SEC-1 (General) Renewable Energy and Energy Harvesting	Fossil fuels and Alternate Sources of energy	An overview of developments in Offshore Wind Energy, Tidal Energy, Wave energy systems, Ocean Thermal Energy Conversion, solar energy, biomass, biochemical conversion, biogas generation, geothermal energy tidal energy, Hydro electricity.	August 2022	1
SEC-1 (General) Renewable Energy and Energy Harvesting	Solar energy	Solar energy, its importance, storage of solar energy, solar pond, non convective solar pond, applications of solar pond and solar energy, solar water heater, flat plate collector, solar distillation, solar cooker, solar green houses, solar cell, absorption air conditioning. Need and characteristics of photovoltaic (PV) systems, PV models and equivalent circuits, and sun tracking systems.	August 2022	6

SEC-1 (General) Renewable Energy and Energy Harvesting	Wind Energy harvesting	Fundamentals of Wind energy, Wind Turbines and different electrical machines in wind turbines, Power electronic interfaces, and grid interconnection topologies.	August 2022	3
SEC-1 (General) Renewable Energy and Energy Harvesting	Ocean Energy	Ocean Energy Potential against Wind and Solar, Wave Characteristics and Statistics, Wave Energy Devices. Tide characteristics and Statistics, Tide Energy Technologies, Ocean Thermal Energy, Osmotic Power, Ocean Bio-mass.	September 2022	5
SEC-1 (General) Renewable Energy and Energy Harvesting	Geothermal Energy	Geothermal Resources, Geothermal Technologies.	September 2022	2
SEC-1 (General) Renewable Energy and Energy Harvesting	Hydro Energy	Hydro power resources, hydro power technologies, environmental impact of hydro power sources.	November 2022	2
SEC-1 (General) Renewable Energy and Energy Harvesting	Piezoelectric Energy harvesting	Introduction, Physics and characteristics of piezoelectric effect, materials and mathematical description of piezoelectricity, Piezoelectric parameters and modeling piezoelectric generators, Piezoelectric energy harvesting applications, Human power	November 2022	4
SEC-1 (General) Renewable Energy and Energy Harvesting	Electromagnetic Energy Harvesting	Linear generators, physics mathematical models, recent applications	November 2022	2
SEC-1 (General) Renewable Energy and Energy Harvesting	Carbon captured technologies	Carbon captured technologies, cell, batteries, power consumption	December 2022	2
SEC-1 (General) Renewable Energy and Energy Harvesting	Environmental issues	Environmental issues and Renewable sources of energy, sustainability.	December 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-1 Advanced MATHematical Physics	Linear Vector Spaces	Abstract Systems. Binary Operations and Relations.Introduction to Groups and Fields.Vector Spaces and Subspaces. Linear Independence and Dependence of Vectors.	July 2022	4
DSE-1 Advanced MATHematical Physics	Linear Vector Spaces	Basis and Dimensions of a Vector Space. Change of basis. Homomorphism and Isomorphism of Vector Spaces. Linear Transformations.Algebra of Linear Transformations. Non-singular Transformations.Representation of Linear Transformations by Matrices.	August 2022	8
DSE-1 Advanced MATHematical Physics	General Tensors	Transformation of Co-ordinates. Minkowski Space. Contravariant & Covariant Vectors. Contravariant, Covariant and Mixed Tensors. Kronecker Delta and Permutation Tensors. Algebra of Tensors. Sum, Difference & Product of Two Tensors.Contraction. Quotient Law of Tensors.	August 2022	8
DSE-1 Advanced MATHematical Physics	General Tensors	Symmetric and Anti-symmetric Tensors. Metric Tensor.	September 2022	2
DSE-1 Advanced MATHematical Physics	Cartesian Tensors	Transformation of Co-ordinates. Einstein's Summation Convention. Relation between Direction Cosines. Tensors.Algebra of Tensors. Sum, Difference and Product of Two Tensors. Contraction. Quotient Law of Tensors. Symmetric and Anti- symmetric Tensors. Invariant Tensors. Kronecker and Alternating Tensors. Association of Antisymmetric Tensor of Order Two and Vectors. Vector Algebra and Calculus using Cartesian Tensors : Scalar and Vector Products, Scalar and Vector Triple Products.	September 2022	10
DSE-1 Advanced MATHematical Physics	Cartesian Tensors	Differentiation.Gradient, Divergence and Curl of Tensor Fields. Vector Identities. Tensorial Formulation of Analytical Solid Geometry : Equation of a Line. Angle Between Lines. Projection of a Line on another Line.Condition for Two Lines to be Coplanar. Foot of the Perpendicular from a Point on a Line.Rotation Tensor (No Derivation). Isotropic Tensors.Tensorial Character of Physical Quantities.Moment of Inertia Tensor. Stress and Strain Tensors : Symmetric Nature. Elasticity Tensor.Generalized Hooke's Law.	November 2022	10

DSE-1A Elements of Modern Physics	Atomic Nucleus	Size and structure of atomic nucleus and its relation with atomic weight	July 2022	2
DSE-1A Elements of Modern Physics	Atomic Nucleus	Impossibility of an electron being in the nucleus as a consequence of the uncertainty principle. Nature of nuclear force, NZ graph, semi-empirical mass formula and binding energy.	August 2022	4
DSE-1A Elements of Modern Physics	Radioactivi ty	Stability of nucleus;	August 2022	2
DSE-1A Elements of Modern Physics	Radioactivi ty	Law of radioactive decay; Mean life & half-life; α decay; β	September 2022	5
DSE-1A Elements of Modern Physics	Radioactivi ty	β decay - energy released, spectrum and Pauli's prediction of neutrino. γ -ray emission	November 2022	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-2: Waves & Optics	Superposition of Collinear Harmonic oscillations	Linearity and Superposition Principle. Superposition of two collinear oscillations having (1) equal frequencies and (2) different frequencies (Beats). Superposition of N collinear Harmonic Oscillations with (1) equal phase differences and (2) equal frequency differences.	May 2023	5
CC-2: Waves & Optics	Superposition of two perpendicular Harmonic Oscillations	Graphical and Analytical Methods. Lissajous Figures with equal and unequal frequency and their uses.	May 2023	2
CC-2: Waves & Optics	Wave Motion	Plane and Spherical Waves. Longitudinal and Transverse Waves.Plane Progressive (Travelling) Waves.Wave Equation.Particle and Wave Velocities. Differential Equation.Pressure of a Longitudinal Wave.Energy Transport.Intensity of Wave. Water Waves: Ripple and Gravity Waves.	June 2023	4
CC-2: Waves & Optics	Velocity of Waves	Velocity of Transverse Vibrations of Stretched Strings. Velocity of Longitudinal Waves in a Fluid in a Pipe.Newton's Formula for Velocity of Sound.Laplace's Correction.	June 2023	6
CC-2: Waves & Optics	Superposition of Two Harmonic Waves	Standing (Stationary) Waves in a String: Fixed and Free Ends. Analytical Treatment.Phase and Group Velocities.Changes with respect to Position and Time.Energy of Vibrating String.Transfer of Energy.Normal Modes of Stretched Strings. Plucked and Struck Strings. Melde's Experiment.Longitudinal Standing Waves and Normal Modes.Open and Closed Pipes. Superposition of N Harmonic Waves.	July 2023	7

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 24.07.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8: Mathematical Physics III	Complex Analysis	Brief Revision of Complex Numbers and their Graphical Representation. Euler's formula, De Moivre's theorem, Roots of Complex Numbers. Functions of Complex Variables.	March 2023	7
CC-8: Mathematical Physics III	Complex Analysis	Analyticity and Cauchy-Riemann Conditions. Examples of analytic functions. Singular functions: poles and branch points, order of singularity, branch cuts.	April 2023	9
CC-8: Mathematical Physics III	Complex Analysis	Integration of a function of a complex variable. Cauchy's Inequality. Cauchy's Integral formula. Simply and multiply connected region. Laurent and Taylor's expansion.	May 2023	7
CC-8: Mathematical Physics III	Complex Analysis	Residues and Residue Theorem. Application in solving Definite Integrals.	June 2023	7
CC-9: Elements of Modern Physics	Nuclear Physics	Size and structure of atomic nucleus and its relation with atomic weight; Impossibility of an electron being in the nucleus as a consequence of the uncertainty principle.	May 2023	2
CC-9: Elements of Modern Physics	Nuclear Physics	Nature of nuclear force, NZ graph, Liquid Drop model: semi-empirical mass formula and binding energy	June 2023	2
CC-9: Elements of Modern Physics	Nuclear Physics	Nuclear Shell Model and magic numbers.	July 2023	2
GE-4 & CC-1D: Waves & Optics	Superposition of Two Collinear Harmonic oscillations	Linearity & Superposition Principle. (1) Oscillations having equal frequencies and (2) Oscillations having different frequencies (Beats).	March 2023	4
GE-4 & CC-1D: Waves & Optics	Superposition of Two Perpendicular Harmonic Oscillations	Graphical and Analytical Methods. Lissajous Figures with equal and unequal frequency and their uses.	April 2023	2
GE-4 & CC-1D: Waves & Optics	Waves Motion-General	Transverse waves on a string. Travelling and standing waves on a string.	April 2023	2
GE-4 & CC-1D: Waves & Optics	Waves Motion-General	Normal Modes of a string. Group velocity, Phase velocity.Plane waves. Spherical waves	May 2023	4
GE-4 & CC-1D: Waves & Optics	Waves Motion-General	Wave intensity	June 2023	1
GE-4 & CC-1D: Waves & Optics	Polarization	Transverse nature of light waves. Plane polarized light – production and analysis.	June 2023	3
GE-4 & CC-1D: Waves & Optics	Polarization	Circular and elliptical polarization.	July 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-4 Astronomy & Astrophysics	Astronomical Scales	Astronomical Distance, Mass and Time Scales, Determination of Distance by Parallax Method	February 2023	3
DSE-4 Astronomy & Astrophysics	Basic concepts of positional astronomy	Celestial Sphere, Geometry of a Sphere, Spherical Triangle	February 2023	4
DSE-4 Astronomy & Astrophysics	Basic concepts of positional astronomy	Astronomical Coordinate Systems, Geographical Coordinate Systems, Horizon System, Equatorial System, Diurnal Motion of the Stars, Conversion of Coordinates.	February 2023	4
DSE-4 Astronomy & Astrophysics	Basic concepts of positional astronomy	Measurement of Time, Sidereal Time, Apparent Solar Time, Mean Solar Time, Equation of Time, Calendar	February 2023	3
DSE-4 Astronomy & Astrophysics	Basic Parameters of Stars	Brightness, Radiant Flux and Luminosity, Apparent and Absolute magnitude scale, Distance Modulus;	February 2023	3
DSE-4 Astronomy & Astrophysics	Basic Parameters of Stars	Determination of Temperature and Radius of a star; Determination of Masses from Binary orbits	March 2023	4
DSE-4 Astronomy & Astrophysics	Astronomical techniques	Basic Optical Definitions for Astronomy (Magnification Light Gathering Power, Resolving Power and Diffraction Limit, Atmospheric Windows)	March 2023	2
DSE-4 Astronomy & Astrophysics	Astronomical techniques	Optical Telescopes (Types of Reflecting Telescopes, Telescope Mountings, Space Telescopes, Detectors and Their Use with Telescopes (Types of Detectors, detection Limits with Telescopes)	March 2023	3
DSE-4 Astronomy & Astrophysics	Physical principles	Gravitation in Astrophysics (Virial Theorem, Newton versus Einstein)	March 2023	2
DSE-4 Astronomy & Astrophysics	Physical principles	Systems in Thermodynamic Equilibrium.	March 2023	2
DSE-4 Astronomy & Astrophysics	The sun	Solar Parameters, Solar Photosphere, Solar Atmosphere, Chromosphere. Corona, Solar Activity, Basics of Solar Magneto- hydrodynamics. Helioseismology	March 2023	6
DSE-4 Astronomy & Astrophysics	The solar family	Solar System: Facts and Figures, Origin of the Solar System: The Nebular Model, Tidal Forces and Planetary Rings, Extra-Solar Planets.	April 2023	4
DSE-4 Astronomy & Astrophysics	Stellar spectra and classification Structure	Atomic Spectra Revisited, Stellar Spectra, Spectral Types and Their Temperature Dependence, Black Body Approximation, H R Diagram, Luminosity Classification	April 2023	4
DSE-4 Astronomy & Astrophysics	The milky way	Basic Structure and Properties of the Milky Way, Stars and Star Clusters of the Milky Way, Properties of and around the Galactic Nucleus.	April 2023	7

DSE-4 Astronomy & Astrophysics	The milky way	Nature of Rotation of the Milky Way (Differential Rotation of the Galaxy and Oort Constant, Rotation Curve of the Galaxy and the Dark Matter, Nature of the Spiral Arms)	May 2023	7
DSE-4 Astronomy & Astrophysics	Galaxies	Galaxy Morphology, Hubble's Classification of Galaxies, Elliptical Galaxies (The Intrinsic Shapes of Elliptical, de Vaucouleurs Law, Stars and Gas). Spiral and Lenticular Galaxies (Bulges, Disks, Galactic Halo) The Milky Way Galaxy, Gas and Dust in the Galaxy, Spiral Arms.	May 2023	7
DSE-4 Astronomy & Astrophysics	Large scale structure & expanding universe	Cosmic Distance Ladder (An Example from Terrestrial Physics, Distance Measurement using Cepheid Variables)	May 2023	4
DSE-4 Astronomy & Astrophysics	Large scale structure & expanding universe	Hubble's Law (Distance- Velocity Relation), Clusters of Galaxies (Virial theorem and Dark Matter).	June 2023	6

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: PHYSICS				
NAME OF THE TEACHER: SOHAN KUMAR JHA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 Mathematical Physics I	Orthogonal Curvilinear Coordinates	Orthogonal Curvilinear Coordinates. Derivation of Gradient, Divergence, Curl and Laplacian in Cartesian, Spherical and Cylindrical Coordinate Systems.	August 2022	6
CC-1 Mathematical Physics I	Dirac Delta function and its properties	Definition of Dirac delta function. Representation as limit of a Gaussian function and rectangular function. Properties of Dirac delta function.	September 2022	2
CC-1 Mathematical Physics I	Vector calculus: Recapitulation of vectors	Properties of vectors under rotations. Scalar product and its invariance under rotations. Vector product, Scalar triple product and their interpretation in terms of area and volume respectively. Scalar and Vector fields.	November 2022	5
CC-2 Mechanics	Motion of a particle under a central force field.	Two-body problem and its reduction to one-body problem and its solution. The energy equation and energy diagram. Kepler’s Laws. Satellite in circular orbit and applications. Geosynchronous orbits. Weightlessness. Basic idea of global positioning system (GPS).	December 2022	6

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

CC-5 Thermal Physics	Zeroth and First Law of Thermodynamics	Extensive and intensive Thermodynamic Variables, Thermodynamic Equilibrium, Zeroth Law of Thermodynamics & Concept of Temperature, Concept of Work & Heat, State Functions, First Law of Thermodynamics and its differential form, Internal Energy, First Law & various processes, Applications of First Law: General Relation between CP and CV.	July 2022	6
CC-5 Thermal Physics	Zeroth and First Law of Thermodynamics	Work Done during Isothermal and Adiabatic Processes, Compressibility and Expansion Co-efficient.	August 2022	2
CC-5 Thermal Physics	Second Law of Thermodynamics	Reversible and Irreversible process with examples. Conversion of Work into Heat and Heat into Work. Heat Engines. Carnot's Cycle, Carnot engine & efficiency. Refrigerator & coefficient of performance.	August 2022	4
CC-5 Thermal Physics	Second Law of Thermodynamics	2nd Law of Thermodynamics: Kelvin-Planck and Clausius Statements and their Equivalence. Carnot's Theorem. Applications of Second Law of Thermodynamics: Thermodynamic Scale of Temperature and its Equivalence to Perfect Gas Scale.	September 2022	6
CC-5 Thermal Physics	Entropy	Concept of Entropy, Clausius Theorem. Clausius Inequality, Second Law of Thermodynamics in terms of Entropy. Entropy of a perfect gas. Principle of Increase of Entropy. Entropy Changes in Reversible and Irreversible processes with examples. Entropy of the Universe. Entropy Changes in Reversible and Irreversible Processes. Principle of Increase of Entropy. Temperature-Entropy diagrams for Carnot's Cycle. Third Law of Thermodynamics. Unattainability of Absolute Zero.	November 2022	7
CC-5 Thermal Physics	Maxwell's Thermodynamic Relations	Derivations and applications of Maxwell's Relations, Maxwell's Relations: (1) Clausius Clapeyron equation, (2) Values of CP - CV, (3) TdS Equations, (4) Joule-Kelvin coefficient for Ideal and Van der Waal Gases, (5) Energy equations, (6) Change of Temperature during Adiabatic Process.	November 2022	7
CC-1C THERMAL PHYSICS AND STATISTICAL MECHANICS	Thermodynamic Description of system	Zeroth Law of thermodynamics and temperature. First law and internal energy, conversion of heat into work. Various thermodynamical Processes.	July 2022	4
CC-1C THERMAL PHYSICS AND STATISTICAL MECHANICS	Thermodynamic Description of system	Applications of First Law: General Relation between C_p & C_v , Work Done during Isothermal and Adiabatic Processes, Compressibility & Expansion Coefficient.	August 2022	5
CC-1C THERMAL PHYSICS AND STATISTICAL MECHANICS	Thermodynamic Description of system	Reversible & irreversible processes, Second law & Entropy, Carnot's cycle & theorem.	September 2022	5

CC-1C THERMAL PHYSICS AND STATISTICAL MECHANICS	Thermodynamic Description of system	Entropy changes in reversible & irreversible processes, Entropy-temperature diagrams.	November 2022	5
CC-1C THERMAL PHYSICS AND STATISTICAL MECHANICS	Thermodynamic Description of system	Third law of thermodynamics, Unattainability of absolute zero.	December 2022	4

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE- 5 CLASSICAL DYNAMICS	Classical Mechanics of Point Particles	Review of Newtonian Mechanics; Application to the motion of a charge particle in external electric and magnetic fields- motion in uniform electric field, magnetic field-gyroradius and gyrofrequency, motion in crossed electric and magnetic fields. Generalized coordinates and velocities, Hamilton’s principle, Lagrangian and the Euler-Lagrange equations.	July 2022	8
DSE- 5 CLASSICAL DYNAMICS	Classical Mechanics of Point Particles	One-dimensional examples of the Euler-Lagrange equations- one-dimensional Simple Harmonic Oscillations and falling body in uniform gravity. Applications to simple systems such as coupled oscillators Canonical momenta & Hamiltonian. Hamilton's equations of motion.	August 2022	8
DSE- 5 CLASSICAL DYNAMICS	Classical Mechanics of Point Particles	Applications: Hamiltonian for a harmonic oscillator, solution of Hamilton’s equation for Simple Harmonic Oscillations. Particle in a central force field- conservation of angular momentum and energy.	September 2022	6
DSE- 5 CLASSICAL DYNAMICS	Small Amplitude Oscillations	Minima of potential energy and points of stable equilibrium.	September 2022	2
DSE- 5 CLASSICAL DYNAMICS	Small Amplitude Oscillations	Expansion of the potential energy around a minimum. Small amplitude oscillations about the minimum, normal modes of oscillations example of N identical masses connected in a linear fashion to (N -1) - identical springs.	November 2022	8

DSE-1A Elements of Modern Physics	Planck's quantum theory	Planck's constant and light as a collection of photons.	July 2022	2
DSE-1A Elements of Modern Physics	Planck's quantum theory	Photo-electric effect and Compton scattering. De Broglie wavelength and matter waves.	August 2022	4
DSE-1A Elements of Modern Physics	Planck's quantum theory	Davisson – Germer experiment.	September 2022	2
DSE-1A Elements of Modern Physics	Problems with Rutherford model	Instability of atoms and observation of discrete atomic spectra; Bohr's quantization rule and atomic stability.	September 2022	2
DSE-1A Elements of Modern Physics	Problems with Rutherford model	Calculation of energy levels for hydrogen like atoms and their spectra.	November 2022	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 24.07.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- III: ELECTRICITY AND MAGNETISM	Electromagnetic Induction	Faraday’s Law. Lenz’s Law. Self Inductance and Mutual Inductance. Reciprocity Theorem. Energy stored in a Magnetic Field. Introduction to Maxwell’s Equations. Charge Conservation and Displacement current.	May 2023	6
CC- III: ELECTRICITY AND MAGNETISM	Electrical Circuits	AC Circuits: Kirchhoff’s laws for AC circuits. Complex Reactance and Impedance. Series LCR Circuit: (1) Resonance, (2) Power Dissipation and (3)Quality Factor, and (4) Band Width. Parallel LCR Circuit.	June 2023	4
CC- III: ELECTRICITY AND MAGNETISM	Network theorems	Ideal Constant-voltage and Constant-current Sources. Network Theorems: Thevenin theorem, Norton theorem.	June 2023	2
CC- III: ELECTRICITY AND MAGNETISM	Network theorems	Superposition theorem, Reciprocity theorem, Maximum Power Transfer theorem. Applications to dc circuits.	July 2023	2
CC- III: ELECTRICITY AND MAGNETISM	Ballistic Galvanometer	Torque on a current Loop. Ballistic Galvanometer: Current and Charge Sensitivity. Electromagnetic damping. Logarithmic damping. CDR.	July 2023	3
CC-1B/GE-2 ELECTRICITY AND MAGNETISM	Vector Analysis	Review of vector algebra (Scalar and Vector product), gradient, divergence, Curl and their significance.	May 2023	6
CC-1B/GE-2 ELECTRICITY AND MAGNETISM	Vector Analysis	Vector Integration, Line, surface and volume integrals of Vector fields, Gauss-divergence theorem and Stoke's theorem of vectors (statement only).	June 2023	6
CC-1B/GE-2 ELECTRICITY AND MAGNETISM	Electromagnetic Induction	Faraday's laws of electromagnetic induction, Lenz's law, self and mutual inductance, L of single coil, M of two coils. Energy stored in magnetic field.	July 2023	6

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 24.07.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8: Mathematical Physics III	Fourier Transforms	Fourier Integral theorem. Fourier Transform. Examples. Fourier transform of trigonometric, Gaussian, finite wave train & other functions. Representation of Dirac delta function as a Fourier Integral. Fourier transform of derivatives, Inverse Fourier transform, Convolution theorem.	March 2023	7
CC-8: Mathematical Physics III	Fourier Transforms	Properties of Fourier transforms (translation, change of scale, complex conjugation, etc.). Three dimensional Fourier transforms with examples. Application of Fourier Transforms to differential equations: One dimensional Wave and Diffusion/Heat Flow Equations.	April 2023	8
CC-8: Mathematical Physics III	Laplace Transforms	Laplace Transform (LT) of Elementary functions. Properties of LTs: Change of Scale Theorem, Shifting Theorem. LTs of 1st and 2nd order Derivatives and Integrals of Functions, Derivatives and Integrals of LTs. LT of Unit Step function, Dirac Delta function, Periodic Functions.	May 2023	7
CC-8: Mathematical Physics III	Laplace Transforms	Convolution Theorem. Inverse LT. Application of Laplace Transforms to 2nd order Differential Equations: Damped Harmonic Oscillator, Simple Electrical Circuits, Coupled differential equations of 1st order.	June 2023	6
CC-8: Mathematical Physics III	Laplace Transforms	Solution of heat flow along infinite bar using Laplace transform.	July 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-6 Nuclear & Particle Physics	General Properties of Nuclei	Constituents of nucleus and their Intrinsic properties, quantitative facts about mass, radii, charge density (matter density), binding energy, average binding energy and its variation with mass number, main features of binding energy versus mass number curve.	February 2023	6
DSE-6 Nuclear & Particle Physics	General Properties of Nuclei	N/A plot, angular momentum, parity, magnetic moment, electric moments, nuclear excites states.	March 2023	4
DSE-6 Nuclear & Particle Physics	Nuclear Models	Liquid drop model approach, semi empirical mass formula and significance of its various terms.	March 2023	2
DSE-6 Nuclear & Particle Physics	Nuclear Models	Condition of nuclear stability, two nucleon separation energies, Fermi gas model (degenerate fermion gas, nuclear symmetry potential in Fermi gas), evidence for nuclear shell structure. Nuclear magic numbers.	April 2023	6
DSE-6 Nuclear & Particle Physics	Nuclear Models	Basic assumption of shell model, concept of mean field, residual interaction, concept of nuclear force.	May 2023	4
DSE-6 Nuclear & Particle Physics	Radioactivity decay	(a) Alpha decay: basics of α -decay processes, theory of α - emission, Gamow factor.	May 2023	3
DSE-6 Nuclear & Particle Physics	Radioactivity decay	Geiger Nuttall law, α -decay spectroscopy. (b) β -decay: energy kinematics for β -decay, positron emission, electron capture, neutrino hypothesis. (c) Gamma decay: Gamma rays emission & kinematics, internal conversion.	June 2023	7
DSE-1B Digital and Analog Circuits & Instrumentation	Digital Circuits	Difference between Analog and Digital Circuits. Binary Numbers. Decimal to Binary and Binary to Decimal Conversion, AND, Or and NOT Gates (Realization using Diodes and Transistor). NAND and NOR Gates as Universal Gates. XOR and XNOR Gates.	February 2023	4
DSE-1B Digital and Analog Circuits & Instrumentation	Digital Circuits	De Morgan's Theorems. Boolean Laws. Simplification of Logic Circuit using Boolean Algebra. Fundamental Products.Minterms and Maxterms.Conversion of a Truth Table into an Equivalent Logic Circuitby (1) Sum of Products Method and (2) Karnaugh Map.	March 2023	5
DSE-1B Digital and Analog Circuits	Digital Circuits	Binary Addition. Binary Subtraction using 2's Complement Method).Half Adders and Full	April 2023	4

& Instrumentation		Adders and Subtractors, 4-bit binary Adder-Subtractor.		
DSE-1B Digital and Analog Circuits & Instrumentation	Instrumentations	Half-wave Rectifiers. Centre-tapped and Bridge Full-wave Rectifiers Calculation of Ripple Factor and Rectification Efficiency, Basic idea about capacitor filter.	May 2023	4
DSE-1B Digital and Analog Circuits & Instrumentation	Instrumentations	Zener Diode and Voltage Regulation	June 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER:DR. ASIM KUMAR MAJEE				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS:09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1A (Prac) &Course Title: Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbon	Inorganic Chemistry	. Estimation of sodium carbonate and sodium hydrogen carbonate present in a mixture	Sept.'22	Two(2)
		Estimation of oxalic acid by titrating it with KMnO4	Sept.'22	Two(2)
		Estimation of Cu (II) ions iodometrically using Na2S2O3.	Sept.'22	Two(2)
		Detection of special elements (N, Cl, and S) in organic compounds	Nov.'22	Two(2)
		Detection of functional groups:	Nov.'22	Two(2)
		‘Do’	Nov.'22	Two(2)
		‘Do’	Dec.'22	Two(2)

		Qualitative analysis of unknown organic compound	Dec.'22	Two(2)
		'Do'	Jan.'23	Two(2)
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6 & Course Title: Inorganic Chemistry-II (Theo)	Chemical Bonding – I	Ionic bond: General characteristics, types of ions, size effects, radius ratio rule and its application and limitations.	July'22	Two(2)
		Born-Landé equation with derivation and importance of Kapustinskii expression for lattice energy. Madelung constant.	July'22	Two(2)
		Born-Haber cycle and its application, Solvation energy. Solubility energetics of dissolution process.	Aug.'22	Two(2)

		Covalent bond: Polarizing power and polarizability, ionic potential, Fajan's rules.	Aug.'22	One(1)
		Valence Bond Theory. The hydrogen molecule (Heitler-London approach), directional character of covalent bonds.	Aug.'22	Two(2)
		hybridizations, equivalent and non-equivalent hybrid orbitals.	Sept.'22	Two(2)
		Bent's rule, Dipole moments.	Sept.'22	Two(2)
		VSEPR theory, shapes of molecules and ions.	Nov.'22	Two(2)
CC-6 & Course Title: Inorganic Chemistry-II (Prac)	Iodo/Iodimetric Titrations.	Estimation of Cu(II).	Aug.'22	Two(2)
		Estimation of Cu in Brass.	Aug.'22	Two(2)
		Estimation of Vitamin C.	Sept.'22	Two(2)
		Estimation of Cr and Mn in Steel.	Nov.'22	Two(2)

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/~~GENERAL~~/GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 & Course Title: Inorganic Chemistry-IV (Theo)	Coordination Chemistry-II	VB description and its limitations.	July'22	Two(2)
		Elementary Crystal Field Theory: splitting of d ⁿ configurations in octahedral, square planar and tetrahedral fields.	AUG.'22	Three(3)

		crystal field stabilization energy (CFSE) in weak and strong fields; pairing energy.	Aug.'22	Two(2)
		Spectrochemical series. Jahn-Teller distortion.	Sept.'22	Two(2)
		Octahedral site stabilization energy (OSSE).	Sept.'22	One(1)
		Metal-ligand bonding (MO concept, elementary idea), sigma- and pi-bonding in octahedral complexes (qualitative pictorial approach)	Sept.'22	Two(2)
		Metal-ligand bonding (MO concept, elementary idea), sigma- and pi-bonding in octahedral complexes (qualitative pictorial approach)	Nov.'22	Two(2)
CC-11 & Course Title: Inorganic Chemistry-IV (Prac)	Chromatography of Metal Ions.	Principles of chromatographic separation.	Aug.'22	One(1)
		Paper chromatographic separation of Ni (II) and Co (II) from the mixture.	Aug.'22	One(1)
		Paper chromatographic separation of Fe(III) and Al(III) from the mixture.	Aug.'22	One(1)
	Gravimetric Estimation.	Gravimetric estimation of Ni(II) by using Dimethylglyoxime.	Sept.'22	One(1)
		Gravimetric estimation of Copper as CuSCN.	Sept.'22	One(1)
		Gravimetric estimation of Chloride as AgCl.	Sept.'22	One(1)

	Spectrophotometric Methods.	Measurement of 10Dq of 3d metal complexes by spectrophotometric method.	Nov.'22	One(1)
		Determination of $\lambda_{\max}$ of KMnO_4 and $\text{K}_2\text{Cr}_2\text{O}_7$.	Nov.'22	One(1)

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 & Course Title: Inorganic Chemistry-I (Theo)	Extra nuclear Structure of Atom.	Bohr's theory, its limitations and atomic spectrum of hydrogen atom.	March'23	Two(2)
		Sommerfeld's Theory.	March'23	One(1)
		Wave mechanics: de Broglie equation.	March'23	One(1)
			April'23	One(1)
		Compton Effect.		
		Heisenberg's Uncertainty Principle and its significance	April'23	Two (2)
			May'23	One(1)
		Problem solved related to de Broglie equation and Heisenberg's Uncertainty Principle.	May'23	One(1)

		Derivation of Schrodinger's Equation.	May'23	Two(2)
		, significance of ψ and ψ^2 . Eigen Function and Eigen Value.	June'23	One(1)
		Quantum numbers and their significance.	June'23	Two(2)
		Radial and angular wave functions for hydrogen atom. Radial and angular distribution curves.	July'23	Two(2)
		Shapes of Orbital	July'23	One(1)
		Pauli's Exclusion Principle, Hund's Rule and Aufbau Principle	July'23	One(1)
CC-3 & Course Title: Inorganic Chemistry-I (Prac).	Oxidation-Reduction Titration.	. Estimation of oxalic acid and sodium oxalate in a given mixture	March'23	Two(2)
		Estimation of Fe(II) and Fe(III) in a given mixture using $K_2Cr_2O_7$ solution	March'23	One(1)
		. Estimation of Fe(III) and Cu(II) in a mixture using $K_2Cr_2O_7$	April'23	Two(2)
		Estimation of Fe(III) and Cr(III) in a mixture using $K_2Cr_2O_7$	May'23	Two(2)

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1B (Prac)	Inorganic Chemistry: Qualitative semi- micro analysis of mixtures.	Dry test for acid radicals.	March'23	Two(2)
		“Do”	March'23	Two(2)
		Wet test for acid radicals.	April'23	Two(2)
		Dry test for basic radicals	April'23	Two(2)
		Wet test for basic radicals.	May'23	Two(2)
		“Do”	May'23	Two(2)
		Qualitative analysis of unknown mixtures.	June'23	Two(2)
		“Do”	July'23	Two(2)

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9 & Course Title: Inorganic Chemistry-III (Theo)	Coordination Chemistry-I	Double and complex salts. Werner’s theory of coordination complexes,	March’23	Two(2)
		Classification of ligands, chelates, coordination numbers.	March’23	One(1)
		IUPAC nomenclature of coordination complexes	April’23	Two(2)
		Isomerism in coordination compounds, constitutional and stereo isomerism,	April’23	Two(2)
		Geometrical isomerism in square planar and octahedral complexes.	May’23	Two(2)
		Optical isomerism in square planar and octahedral complexes.	May’23	Two(2)
		Noble Gases	Occurrence and uses, rationalization of inertness of noble gases, Clathrates	June’23
		preparation, structures (VSEPR theory) and properties of XeF2, XeF4 and XeF6.	June’23	Two(2)
		Nature of bonding in noble gas compounds (Valence bond treatment and MO treatment for XeF2 and XeF4).	June’23	Two(2)

	Chemistry of s and p Block Elements:	Anomalous behaviour of first member of group-17.	July'23	One(1)
		Basic properties of halides and polyhalides.	July'23	One(1)
		Interhalogen compounds.	July'23	One(1)
		Polyhalides, pseudohalides.	July'23	One(1)
CC-9 & Course Title: Inorganic Chemistry-III (Prac)	Complexometric Titration.	Estimation of Zn(II) in a Zn(II) and Cu(II) mixture by complexometric titration.	March'23	Two(2)
		Estimation of Ca(II) and Mg(II) in a mixture by complexometric titration.	March'23	Two(2)
	Inorganic Preparations	Preparation of Potassium dioxalatodiaquachromate(III)	April'23	Two(2)
		Preparation of Potassium tris(oxalate)ferrate(III)	April'23	Two(2)
		Preparation of Tris-(ethylenediamine) nickel(II) chloride	May'23	Two(2)
		Preparation of $[\text{Mn}(\text{acac})_3]$	June'23	Two(2)

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1D (Theo)	Analytical Chemistry	Gravimetric analysis:	March'23	Two(2)
		“Do”	March'23	Two(2)
		Volumetric analysis.	April'23	Two(2)
		“Do”	April'23	Two(2)
		“Do”	May'23	Two(2)
		Chromatography:	May'23	Two(2)
		“Do”	July'23	Two(2)
CC-1D (Prac)	Analytical Chemistry	To find the total hardness of water by EDTA titration.	March'23	Two(2)
		To determine the rate constant for the acid catalysed hydrolysis of an ester.	March'23	Two(2)

[illegible]

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 & Course Title: Inorganic Chemistry-V (Theo)	Reaction Kinetics and Mechanism.	Introduction to inorganic reaction mechanism.	Feb.'23	One(1)
		Different pathways of nucleophilic substitution reaction.	Feb.'23	Two(2)
		Thermodynamic and kinetic stability. Prediction of lability and inertness of complexes by VBT.	March'23	Two(2)
		Prediction of lability and inertness of complexes by CFT.	March'23	One(1)
		Mechanism of Nucleophilic substitution reactions in square planar complexes.	March'23	Two(2)
		Trans –effect and its application in complex synthesis.	April'23	Two(2)
		Theories of trans-effect.	April'23	Two(2)
		Mechanism of substitution reaction of octahedral complexes.	May'23	Two(2)

		Effect of various factors on the rate constant of acid hydrolysis reaction of Co(III) complexes.	May'23	Two(2)
		Effect of various factors on the rate constant of base hydrolysis reaction of Co(III) complexes.	June'23	Two(2)
CC-13 & Course Title: Inorganic Chemistry-V (Prac)	Qualitative Semimicro Analysis	Dry test for basic radicals.	Feb.'23	Two(2)
		Dry test for acid radicals.	Feb.'23	Two(2)
		Wet test for acid radicals.	March'23	Two(2)
		Wet test for basic radicals	March'23	Two(2)
		'Do'	March'23	Two(2)
		'Do'	April'23	Two(2)
		Phosphate separation from sample.	April'23	One(1)
		Analysis of common insoluble compounds.	May'23	Two(2)
		Qualitative analysis of unknown sample(mixture).	May'23	Two(2)
		'Do'	June'23	Two(2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : HONOURS (ODD SEMESTER)				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. DEBASHIS BANERJEE				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-2 Course Title: Physical Chemistry-I (Theo)	Zeroth and 1 st law of Thermodynamics	Formalism, properties of exact differential, 1 st law, work in several rev and irrev process,	Aug-2022	Three(3)
		Thermodynamic expression of heat and work for real gas system	Sept-2022	One (1)
		Heat capacity relations	Sept-2022	One (1)
		Need for 2 nd law, The Carnot Engine and Refrigerator	Sept-2022	Two(2)
		Entropy function, calculation for different processes under rev and irrev conditions, phase transition	Sept-2022	Two (2)

	2 nd law of Thermodynamics	Free energy functions, their changes under various conditions	Oct-2022	Two (2)
		Conditions of spontaneity and equilibrium	Oct-2022	One (1)
	Thermodynamic Relations	Maxwell Relations and applications	Dec-2022	Two(2)
	Problems discussion (both theoretical and numerical)	1 st law	Dec-2022	Two (2)
		2 nd law	Jan-2023	Two (2)
Course Code: CC-2 Course Title: Physical Chemistry-I (Pract)	Solubility product determination	Solubility product of lead iodide	Sept-2022	One (1)
	Determination of pH of buffer solution	pH of buffer solution by colour matching	Sept-2022	One (1)
	Kinetic Experiment	Acid hydrolysis of methyl acetate	Dec-2022	One (1)
	Kinetic Experiment	Saponification of ethyl acetate	Dec-2022	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. DEBASHIS BANERJEE				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-5 Course Title: Physical Chemistry- II (Theo)	Foundation of Quantum Mechanics	Beginning of Quantum Mechanics, Photoelectric effect, Compton effect	July-2022	Two(2)
		Wave particle duality, de- Broglie equation, related problems	Aug-2022	Two (2)
		Uncertainty relations: related problems	Aug-2022	One (1)

Course Code: CC-5 Course Title: Physical Chemistry-II (Theo)	Foundation of Quantum Mechanics	Schrodinger wave equation, concept of probability and probability density	Aug-2022	One(1)
		Acceptability and properties of wave functions, related problems	Sept-2022	Two (2)
		Concept of operators, operator algebra	Sept-2022	Two (2)
		Commutation properties, Hermitian operators, problems	Sept-2022	Two (2)
		Postulates of quantum mechanics	Sept-2022	One (1)
	Particle in a Box problem	Particle in a 1-d box, energy and wave function, normalisation and orthogonality, nodes	Oct-2022	Two (2)
		Calculation of average values, uncertainty product, problem discussion	Oct-2022	Two (2)
		Particle in a 3-d box , energy and wave function, concept of degeneracy, problem discussion	Dec-2022	Two (2)
		Classical Oscillator, Use of Schrodinger equation, Expression of wave function and energy for ground and 1 st excited state, plot of wave function	Dec-2022	Two (2)

	Quantum Mechanical treatment of 1-d Harmonic Oscillator	Calculation of average position and square average position , problem discussion	Dec-2022	One (1)
		Previous year University question-answer session on foundation of Quantum Mechanics	Dec-2022	One (1)
		Previous year University question-answer session on Particle in a box	Dec-2022	One (1)
Course Code: CC-5 Course Title: Physical Chemistry-II (Pract)	Determination of Partition Coefficient & Equilibrium constant	1.Theory discussion and instruction 2.Partition coefficient experiment 3.Equilibrium Constant determination by Partition method: Demonstration of calculation of eqm constant from practical data	Aug 2022 Aug-2022 Aug-2022	One (1) One (1) Two (2)
	Conductance Experiment	1.Conductometric titration of strong acid and weak acid vs strong base: graph checking 2. Verification of Ostwald dilution law: detailed theory/ calculation method discussion and practical experiment	Sept-2022 Sept-2022	Two (2) Two (2)

		Calculation and graph checking	Dec-2022	Two (2)
		Remedial Practical practice class for students not performing well and who are absent in some classes	Dec-2022	Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. DEBASHIS BANERJEE				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: DSE 1 Course Title: Advanced Physical Chemistry	Statistical Thermodynamics	Configuration: Macrostates and Microstates	July-2022	Two (2)
		Calculation of macrostates and microstates using different example: most probable microstates	Aug-2022	One (1)
		Concept of Thermodynamic probability, calculation using examples, Stirling approximation	Aug-2022	Two (2)
		The Boltzmann Distribution: postulates, derivation, degenerate and non- degenerate case	Aug-2022	Two (2)
		Relation between entropy and probability: discussion and derivation	Sept-2022	One (1)
		Concept of ensemble: example and restrictions of different ensembles; concept of partition function	Sept-2022	Two (2)

		Statistical interpretation of 1 st and 2 nd law of thermodynamics	Sept-2022	One (1)
		Statistical derivation of pressure, volume, internal energy and enthalpy	Sept-2022	Two (2)
		Statistical derivation of entropy: degenerate and non-degenerate cases, Gibbs function, Sackur Tetrode eqn,	Oct-2022	Two (2)
		Gibbs paradox	Oct-2022	One (1)
	Statistical Thermodynamics	Translational, Rotational and Vibrational Partition function: Critical points	Oct-2022	Three (3)
		Heat capacity of solids: classical limit; Einstein's treatment	Nov-2022	One (1)
		Limitations of Einstein's derivation, Debye equation	Nov-2022	One (1)
		Numerical Problems solution and previous years university question discussion	Nov-2022	One (1)
DSE-2 (Pract)	Analytical Methods	Determination of indicator constant of methyl red by spectrophotometry: Theoretical discussion	Sept-2022	One (1)
		Spectrophotometric experiment	Sept-2022	One (1)
		Data analysis, graph plotting	Sept-2022	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. DEBASHIS BANERJEE				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2020-2021		PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CORE COURSE: CC-1C and Generic Elective (Practical)	Chemical Energetics, Equilibria, Organic Chemistry-II	Preparation of Buffer solution	Sept-2022	One (1)
		To find the pH of unknown buffer by colour matching method	Sept-2022	One (1)
		Study of solubility of benzoic acid in water	Dec-2022	Two (2)
		Measurement of pH of different solutions like fruit juice, shampoo, cold drinks by colour matching method using buffer	Dec-2022	Two (2)

CHANDERNAGORE COLLEGE

CURRICULUM PLAN : EVEN SEMESTER

SUBJECT: CHEMISTRY

NAME OF THE TEACHER: DR. DEBASHIS BANERJEE

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023

DATE OF DISSOLUTION OF CLASSES : 07.08.2023

ACADEMIC SESSION:

2022-2023

COURSE TYPE:

HONOURS/ ~~GENERAL~~/ ~~GENERIC~~

SEMESTER: IV

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course: CC-8 Physical Chemistry – III (Theo)	Electromotive Force	Electrochemical cells, Reversibility, Electrode potential, Determination, Standard Cell	Mar-2023	Two (2)
		Standard Electrode potential, different types of half cell	Mar-2023	One (1)
		Thermodynamics of cell potential, Nernst equation, problems on determination of thermodynamic quantities, equilibrium constant	Mar-2023	Two (2)
		Types of standard electrode, construction, cell reaction	April-2023	One (1)
		Quinhydrone and glass electrode, determination of pH	April-2023	One (1)
		Determination of solubility product, activity coefficient, equilibrium onstant	April-2023	One (1)

		Potentiometric titration: acid-base, precipitation and redox: related problems	April-2023	Two (2)
		Concentration cell: with and without transference: Applications and problems	April-2023	Two (2)
		University question answer including numerical discussions	May-2023	Two (2)
	Qualitative Quantum Chemical Treatment of H-atom	Formulation of Hamiltonian and Schrodinger equation	May-2023	One (1)
		Solving the Schrodinger equation by separation into radial and angular parts: Expression for energy	May-2023	Two (2)
		Construction of s- and p- type wave function, shapes of orbitals: radial and angular plots	May-2023	Two (2)
		Numerical problems	June-2023	Two (2)
		University question answer discussion	June-2023	Two (2)
Core Course: CC-8 Physical Chemistry – III (Pract)	Potentiometric Titration	Potentiometric titration of Mohr salt vs dichromate	Mar-2023	One (1)
		E vs V plot, differential plot of data points	Mar-2023	One (1)
		Potentiometric Titration of Silver nitrate vs KCl	April-2023	One (1)

		Graphical Plot, Determination of solubility product	April-2023	One (1)
	Kinetics: effect of ionic strength	Study of persulfate-iodide kinetics	April-2023	One (1)
		Graphical plot: determination of rate constant	April-2023	One (1)
	Phase equilibria	Phase diagram for phenol-water system	May-2023	One (1)
		Graphical plot: determination of critical temperature and composition	May-2023	One (1)
	Solubility Product	Determination of solubility of sparingly soluble salt in water	May-2023	One (1)
		Determination of solubility of sparingly soluble salt in neutral electrolyte and in presence of common ion	May-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. DEBASHIS BANERJEE				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES : 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course CC-1D and Generic Elective-4 (Pract)	Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Conductometric titration of strong acid vs strong base	Mar-2023	One (1)
		Conductometric titration of weak acid (Monobasic and dibasic) vs strong base	Mar-2023	Two (2)
		Graphical Plot and determination of strength	Mar-2023	One (1)
		Determination of strength of hydrogen peroxide in a given sample by titration with permanganate	April-2023	One (1)
		Determination of solubility product of potassium hydrogen tartarate in water	April-2023	One (1)

		Study of kinetics of acid hydrolysis of methyl acetate	April-2023	One (1)
		Graph plotting of ester hydrolysis and determination of rate constant	April-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. DEBASHIS BANERJEE				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course-CC-14 Physical Chemistry-IV (Theo)	Spectroscopy	Interaction of electromagnetic radiation with matter. Born-Oppenheimer approximation, features and domain of molecular spectra	Feb-2023	Two (2)
	Rotational Spectra	Rigid rotator model	Feb-2023	One (1)
		Condition and features of rotational spectra, applications	Mar-2023	One (1)
		Non rigid rotator, symmetric and asymmetric tops, intensity of rotational lines	Mar-2023	One (1)
		Numerical problems and University question discussion,	Mar-2023	One (1)

	Vibrational Spectroscopy	Classical and quantum mechanical harmonic oscillator model, features, limitations	Mar-2023	Two (2)
		Anharmonicity, Morse function: detailed discussion	April-2023	Two (2)
		Types of vibration, case of carbon di oxide, overtone	April-2023	One (1)
		Numerical problems and University question discussion,	April-2023	One (1)
	Raman Spectroscopy	Classical and quantum mechanical approach, condition, anisotropic polarizability	April-2023	Two (2)
		Rotational and vibrational Raman spectra, intensity of Raman lines	May-2023	One (1)
		Mutual exclusion principal (case of water and carbon di oxide)	May-2023	One (1)
		Numerical problems and University question discussion	May-2023	One (1)
	NMR spectroscopy	Introduction, Angular magnetic moment, nuclear magneton	May-2023	One (1)
		Interaction of nucleus with external magnetic field, gyromagnetic ratio, Larmor precession	June-2023	Two (2)
		Numerical problems and University question discussion	June-2023	One (1)

Core Course-CC-14 Physical Chemistry-IV (Pract)	Spectrophotometry	Verification of Beer's law for permanganate	Feb-2023	One (1)
		Verification of Beer's law for dichromate	Feb-2023	One (1)
		Graph plotting, determination of molar extinction coefficient	Feb-2023	One (1)
		Determination of pH of unknown buffer using methyl red indicator	Mar-2023	One (1)
		Data analysis, Graph plotting	Mar-2023	One (1)
	Surface tension measurement	Determination of surface tension of methanol using stalagmometer	Mar-2023	One (1)
		Determination of CMC of SDS from conductance measurement	April-2023	One (1)
		Data analysis, graph plotting	April-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : HONOURS (ODD SEMESTER)				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-2 Course Title: Physical Chemistry-I (Theo)	Maxwell’s distribution of speed and energy	Nature of distribution of speed in one, two and three dimensions	Aug-2022	Three (3)
		Kinetic energy distribution in one, two and three dimensions	Sept-2022	One (1)
		Calculation of average, root mean square and most probable values in one, two and three dimensions	Sept-2022	One (1)
		Principle of equipartition of energy	Sept-2022	Two (2)
		And its application to calculate classical limit of molar heat capacity of gases	Sept-2022	Two (2)

	Kinetic Theory of Gases	Collision of gas molecules, collision diameter, Collision number and mean free path, Frequency of binary collisions	Oct-2022	Two (2)
		Wall collision and rate of effusion	Oct-2022	One (1)
		Barometric distribution, Application of Maxwell distribution	Dec-2022	Two (2)
	Problems discussion (both theoretical and numerical)	Maxwell's distribution of speed and energy	Dec-2022	Two (2)
		Kinetic Theory of Gases	Jan-2023	Two (2)
Course Code: CC-2 Course Title: Physical Chemistry-I (Pract)	Solubility product determination	Solubility product of lead iodide	Sept-2022	One (1)
	Determination of pH of buffer solution	pH of buffer solution by colour matching	Sept-2022	One (1)
	Kinetic Experiment	Acid hydrolysis of methyl acetate	Dec-2022	One (1)
	Kinetic Experiment	Saponification of ethyl acetate	Dec-2022	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES:		DATE OF DISSOLUTION OF CLASSES:		
25.07.2022		26.12.2022		
ACADEMIC SESSION:		PROGRAM TYPE:		
2022-2023		HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-5 Course Title: Physical Chemistry-II (Theo)	Partial Properties and Chemical Potential	Partial Molar Quantities: Chemical potential, relation between chemical potential and other thermodynamic functions, Variation of chemical potential with temperature and pressure	July-2022	Two (2)
		Gibbs Duhem equation, Fugacity and fugacity coefficient, variation of thermodynamic functions for system with variable composition	Aug-2022	Two (2)
			Thermodynamic conditions for equilibrium, degree of advancement	Aug-2022

Course Code: CC-5 Course Title: Physical Chemistry- II (Theo)	Chemical Equilibrium	Variation of free energy with degree of advancement, Equilibrium constant and standard Gibbs free energy change	Aug-2022	Two (2)
		Definitions of K_p , K_c and K_x ; Vant Hoff's reaction isotherm, Vant Hoff's isochore and isobar	Sept-2022	Two (2)
		Le Chatelier's Principle thermodynamic treatment, Shifting of equilibrium due to change in temperature and pressure	Sept-2022	Two (2)
		Variation of equilibrium constant with addition of inert gas	Sept-2022	One (1)
	Chemical potential and Properties of ideal substances: Pure and Mixtures	Thermodynamic parameters of mixing, Chemical potential of an ideal gas in a mixture	Oct-2022	Two (2)
		Concept of standard states and choice of standard states of ideal gas, Chemical potential of pure solid and pure liquids	Oct-2022	Two (2)
		Ideal Solution: Definition, Raoult's Law, Mixing properties of ideal solution, Change in G, H, S and V of binary mixing	Nov-2022	Two (2)
	Nernst Distribution and Solvent Extraction	Nernst Distribution Law; Application (finding K_{eq} using Nernst Law for $(KI+I_2=KI_3)$ and dimerization of Benzene	Nov-2022	Two (2)
		Numerical Problems on Nernst distribution Law, Solvent extraction	Dec-2022	One (1)

		Previous year University question-answer session on Application of Thermodynamics:	Dec-2022	One (1)
		Previous year University question-answer session on Chemical Equilibrium, Solvent Extraction	Dec-2022	One (1)
Course Code: CC-5 Course Title: Physical Chemistry-II (Pract)	Determination of Partition Coefficient & Equilibrium constant	1. Theory discussion and instruction	Aug 2022	One (1)
		2. Partition coefficient experiment	Aug-2022	One (1)
		3. Equilibrium Constant determination by Partition method: Demonstration of calculation of eqm constant from practical data	Aug-2022	Two (2)
	Conductance Experiment	1. Conductometric titration of strong acid and weak acid vs strong base: graph checking	Sept-2022	Two (2)
		2. Verification of Ostwald dilution law: detailed theory/ calculation method discussion and practical experiment	Sept-2022	Two (2)
		Calculation of data and graph checking	Dec-2022	Two (2)
		Remedial Practical practice class for students not performing well and who are absent in some classes	Dec-2022	Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: III				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Discipline 1 (Chemistry) Core Course CC-1B and Generic elective (Theo) Chemical Energetics, Equilibria, Organic Chemistry-II	Chemical Equilibrium	Thermodynamic conditions for equilibrium, degree of advancement	July 2022	Two (2)
		Variation of free energy with degree of advancement, Equilibrium constant and standard Gibbs free energy change	Aug 2022	One (1)
		Definition of K _p , K _c , K _x and relation among them, Vant Hoff isotherm	Aug 2022	One (1)
		Van't Hoff isobar and isochore from different standard states	Aug 2022	One (1)
		Shifting of equilibrium due to change in external parameters temperature, pressure	Aug 2022	One (1)
		Inert gas addition and Le Chatelier's Principle	Sept 2022	One (1)
		Degree of ionization, ionization constant and ionic product of water, pH scale and problems	Sept 2022	One (1)

	Ionic Equilibrium	Salt hydrolysis- calculation of hydrolysis constant, degree of hydrolysis, pH for salt hydrolysis, numerical problem	Nov 2022	Two (2)
		Buffer Solution, Solubility and solubility product of sparingly soluble salts, Common ion effect	Nov 2022	Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CORE COURSE: CC-1C and Generic Elective (Practical)	Chemical Energetics, Equilibria, Organic Chemistry-II	Preparation of Buffer solution	Sept-2022	One (1)
		To find the pH of unknown buffer by colour matching method	Sept-2022	One (1)
		Study of solubility of benzoic acid in water	Dec-2022	Two (2)
		Measurement of pH of different solutions like fruit juice, shampoo, cold drinks by colour matching method using buffer	Dec-2022	Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: DSE 1 Course Title: Advanced Physical Chemistry	Crystal Structure	Laws of Crystallography (Hauy’s Law and Steno’s Law), Space Lattice, unit cell, Bravais Lattice, Symmetry axes in crystals	July-2022	Two (2)
		Packing fraction calculation (Simple, BCC and FCC), Close packed arrangements (Face cantered cubic and hexagonal close packing)	Aug-2022	One (1)
		Tetrahedral and octahedral voids, Miller indices, indexing of planes	Aug-2022	Two (2)
		Distance between consecutive planes [cubic, tetragonal and orthorhombic lattices], calculation of d_{hkl}	Aug-2022	Two (2)
		Bragg’s Law: discussion and derivation	Sept-2022	One (1)
		Determination of Crystal Structure: structure of NaCl and KCl crystals	Sept-2022	Two (2)
		Schottky and Frenkel defect in crystals	Sept-2022	One (1)

Course: DSE-2 : Analytical methods in chemistry		Numerical problems on Solid state	Sept-2022	Two (2)
	Analytical	Origin of spectra, fundamental laws of spectroscopy and selection rules	Oct-2022	Two (2)
		Beer-Lamberts's Law, relevant numerical problems	Oct-2022	One (1)
		Solvent extraction: Classification, principle and efficiency, Mechanism of extraction: extraction by solvation and chelation	Oct-2022	Two (2)
		Techniques of extraction: batch, continuous and counter current extractions	Nov-2022	One (1)
		Numerical Problems on Solvent extraction	Nov-2022	One (1)
		Numerical Problems solution and previous years university question discussion	Nov-2022	Two (2)
		Fortran 77 elementary idea, logic development with basic simple programs, Do Loop, If Statement	August-2022	Four (4)
		Roots of equations (volume of van der Waals gas, pH of weak acid, roots of quadratic equation, Newton Raphson method	Sept-2022	three (3)

DSE-1 Advanced Physical Chemistry (Practical)	Numerical Techniques in Chemistry: Programming	Numerical Differentiation (Change in Pressure for small change in volume of van der Waals gas)	Sept -2022	Two (2)
		Matrix Addition, Matrix Multiplication, Transpose of Matrix	Oct-2022	Two (2)
		Numerical integration (Trapezoid rule, Simpson's Rule), probability distribution (gas kinetic theory) and mean values	Nov-2022	Four (4)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS/-GENERAL/ GENERIC~~		
SEMESTER: V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: Sec-3 Basics and Application of Computer in Chemistry	Mathematics	Mathematical functions, logarithms, equation of a straight line, Exponential function, plotting graphs	Aug 2022	Two (2)
		Types of uncertainties, statistical treatment, Mean standard deviation, Numerical curve fitting	Aug 2022	Three (3)
		The tangent line and derivative of a function, numerical differentiation	Sept2023	Two (2)
	Computer Programming	Basics of Computer, Bits, Bytes, binary and ASCII formats	Sept 2023	Two (2)
		Algorithms, Simple programs and Statistical Analysis	Oct 2023	Three (3)
		Programs for Curve fitting, finding roots (quadratic formula, iterative method)	Nov 2023	Three (3)

CURRICULUM PLAN: EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Discipline 1 (Chemistry) Core Course CC-1B and Generic elective (Theo) States of Matter, Chemical Kinetics, Chemical Bonding & Molecular Structure	Chemical kinetics	Rate law, order and molecularity, kinetics of first, second and zero order reaction	March-2023	Two (2)
		Determination of order. Pseudo unimolecular reaction	April-2023	One (1)
		Kinetics of opposing and parallel reaction	April-2023	One (1)
		Kinetics of consecutive reaction	April-2023	One (1)
		Effect of temperature on reaction rate, Arrhenius equation	April-2023	One (1)
		Collision theory, Qualitative idea of Lindemann theory	May-2023	One (1)

	Solids	Crystal systems, unit cell, Bravais lattice types, symmetry elements	May-2023	One (1)
		Laws of crystallography, Law of constancy of interfacial angles, Law of rational indices	May-2023	One (1)
		Miller indices of different planes and interplanar distance, Bragg's Law	June-2023	Two (2)
		Structure of NaCl, KCl and CsCl (qualitative treatment only)	June -2023	One (1)
Discipline 1 (Chemistry) Core Course CC-1B and Generic elective (Pract) States of Matter, Chemical Kinetics, Chemical Bonding & Molecular Structure	Study of viscosity coefficient	Determination of viscosity coefficient of an unknown liquid by Ostwald Viscometer	May-2023	One (1)
	Study of surface tension	Determination of surface tension of methanol solution by stalagmometer	May -2023	One (1)
	Copy Checking	Experimental results, Graph, Calculation checking	June-2023	Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course: CC-8 Physical Chemistry – III (Theory)	Colligative Properties	Vapour pressure of solution, Ideal solutions, ideally diluted solution and colligative properties	Mar-2023	Two (2)
		Raoult’s Law, Thermodynamic derivation using chemical potential to formulate expression for Elevation of boiling point	Mar-2023	One (1)
		Thermodynamic derivation using chemical potential to formulate expression for Depression of freezing point	Mar-2023	Two (2)
		Formulate expression for osmotic pressure, relationship among various colligative properties	April-2023	One (1)
		Abnormal Colligative properties, Van’t Hoff factor for dissociated and associated solutes	April-2023	One (1)
		Numerical problems on colligative properties	April-2023	Two (2)

	Ionic Equilibrium	Chemical potential of an ion in solution, Activity and activity coefficient of ions in solution	April-2023	Two (2)
		Debye -Huckel limiting law-brief qualitative description of postulates involved, the equation for ion-atmosphere interaction potential	April-2023	Two (2)
		Derivation of mean ionic activity coefficients from the expression of ion-atmosphere interaction potential	May-2023	Two (2)
		Application of the equation and limitations, Numerical Problems on Debye -Huckel Limiting Law	May-2023	Two (2)
	Quantum Chemistry: Angular Momentum	Commutation rules, quantization of square of total angular momentum	May-2023	two (2)
		Rigid rotor model of diatomic molecule, Schrodinger equation, transformation to spherical polar coordinates, separation of variables	May-2023	Two (2)
		Spherical harmonics, Discussion of solution, space quantization	June-2023	one (1)
		Numerical problems	June-2023	Two (2)
		University question answer discussion	June-2023	Two (2)

Core Course: CC-8 Physical Chemistry – III (Practical)	Potentiometric Titration	Potentiometric titration of Mohr salt vs dichromate	Mar-2023	One (1)
		E vs V plot, differential plot of data points	Mar-2023	One (1)
		Potentiometric Titration of Silver nitrate vs KCl	April-2023	One (1)
		Graphical Plot, Determination of solubility product	April-2023	One (1)
	Kinetics: effect of ionic strength	Study of persulfate-iodide kinetics	April-2023	One (1)
		Graphical plot: determination of rate constant	April-2023	One (1)
	Phase equilibria	Phase diagram for phenol-water system	May-2023	One (1)
		Graphical plot: determination of critical temperature and composition	May-2023	One (1)
	Solubility Product	Determination of solubility of sparingly soluble salt in water	May-2023	One (1)
		Determination of solubility of sparingly soluble salt in neutral electrolyte and in presence of common ion	May-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC-		
SEMESTER: IV				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-1D/GE-4 Course Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Solution	Ideal solution and Raoult’s law, deviations from Raoult’s law -non ideal solution	March 2023	Two (2)
		Vapour pressure composition and temperature-composition curves of ideal and nonideal solutions	March 2023	Two (2)
		Distillation of solutions, Lever rule and Azeotrope	April 2023	Two (2)
		Nernst distribution law and its applications, solvent extraction	April 2023	One (1)
		Immiscibility of liquids, steam distillation	April 2023	One (1)

	Phase Equilibria	Phase, Components degrees of freedom of a system, examples	April 2023	One (1)
		Criteria of phase equilibria, Gibbs phase rule and its thermodynamic derivation	May 2023	One (1)
		Derivation of Clausius Clapeyron equation and its importance in phase equilibria	May 2023	One (1)
		Phase diagram of one component system (water)	May 2023	One (1)
		Critical solution temperature, effect of impurity on partial miscibility of liquids	June 2023	One (1)
		Numerical Problems on Solution	June 2023	two (2)
		Numerical problems on Phase equilibrium	July 2023	two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course CC-1D and Generic Elective-4 (Pract)	Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Conductometric titration of strong acid vs strong base	Mar-2023	One (1)
		Conductometric titration of weak acid (Monobasic and dibasic) vs strong base	Mar-2023	Two (2)
		Graphical Plot and determination of strength	Mar-2023	One (1)
		Determination of strength of hydrogen peroxide in a given sample by titration with permanganate	April-2023	One (1)
		Determination of solubility product of potassium hydrogen tartrate in water	April-2023	One (1)
		Study of kinetics of acid hydrolysis of methyl acetate	April-2023	One (1)
		Graph plotting of ester hydrolysis and determination of rate constant	April-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course-CC-14 Physical Chemistry-IV (Theo)	Surface Tension	Surface Tension, Surface energy, excess pressure, capillary rise and surface tension	Feb-2023	Two (2)
		Work of Cohesion and adhesion, spreading of liquid over other surfaces	Feb-2023	One (1)
		Vapour pressure over curved surface, Temperature dependence of surface tension	Mar-2023	One (1)
		Spreading of liquid over other surfaces, Numerical problems on surface tension	Mar-2023	One (1)
		Numerical problems and University question discussion,	Mar-2023	One (1)
		Physical and Chemical adsorption, Freundlich and Langmuir adsorption isotherm	Mar-2023	Two (2)

	Adsorption	Multilayer adsorption and BET isotherm	April-2023	One (1)
		Gibbs adsorption isotherm and surface excess	April-2023	One (1)
		Heterogenous catalysis (single reactant); Zero order and fractional order reaction	April-2023	One (1)
		Numerical problems and University question discussion,	April-2023	Two (2)
	NMR spectroscopy	Chemical shift and low-resolution spectra, spin-spin coupling and high-resolution spectra	May-2023	Two (2)
		University question discussion,	May-2023	One (1)
Core Course-CC-14 Physical Chemistry-IV (Pract)	Spectrophotometry	Verification of Beer's law for permanganate	Feb-2023	One (1)
		Verification of Beer's law for dichromate	Feb-2023	One (1)
		Graph plotting, determination of molar extinction coefficient	Feb-2023	One (1)
		Determination of pH of unknown buffer using methyl red indicator	Mar-2023	One (1)
		Data analysis, Graph plotting	Mar-2023	One (1)

	Surface tension measurement	Determination of surface tension of methanol using stalagmometer	Mar-2023	One (1)
		Determination of CMC of SDS from conductance measurement	April-2023	One (1)
		Data analysis, graph plotting	April-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN: EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SOUMYA GANGULY NEOGI				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: ~~HONOURS/-GENERAL/ GENERIC~~	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: Sec-4 Polymer Chemistry	History of polymeric materials	Classification of polymers, polymer nomenclature, molecular forces and chemical bonding in polymers	Feb 2023	One (1)
	Functionality and importance	Classification of polymerization process, relationship between functionality and extent of polymerization	Feb 2023	Two (2)
	Kinetics of polymerization	Mechanism and kinetics of step growth and radical chain growth	March 2023	Two (2)
	Determination of molecular weight	Viscometry and Osmometry method of molecular weight determination	March 2023	Two (2)
	Properties of polymer and numerical problems	Properties and uses of Polystyrene, Polyvinyl Chloride, Bakelite, Novalac, Polyacetylene	April 2023	Two (2)
		Numerical Problems, Discussion on previous year question papers	May 2023	Three (3)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : HONOURS (ODD SEMESTER)				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. TAPATI MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-2 Course Title: Physical Chemistry-I (Theo)	Chemical Kinetics	Rate law : Order and molecularity Kinetics of zero, first , second and fractional order reaction Pseudounimolecular and autocatalytic reaction	Aug-2022	Three(3)
		Determination of order of a reaction	Sept-2022	One (1)
		Opposing , consecutive reaction	Sept-2022	Two (2)
		Parallel reaction , kinetic and thermodynamic controlled reaction	Sept-2022	One (1)

		Effect of temperature on reaction rate : Arrhenius equation , Energy of activation and frequency factor Simple collision theory: success and demerits	Sept-2022	Two (2)
		Lindemann Theory : detailed derivation, outline of TS theory Numerical problems	Oct-2022	Two (2)
		Acid base and enzyme catalysis, Primary kinetic salt effect	Oct-2022	Two (2)
	Real gas and Virial equation	Deviation from ideal behaviour, Andrews and Amagat's curve, Derivation of Van der waals equation and its features , Boyle Temperature	Dec-2022	Two(2)
		Critical phenomenon, Boyle Temperature , compressibility factor, Law of corresponding states	Dec-2022	One (1)
		Diterici and Virial equation of state, Intermolecular forces	Jan-2023	Two (2)
	Solubility product determination	Solubility product of lead iodide	Sept-2022	One (1)
	Determination of pH of buffer solution	pH of buffer solution by colour matching	Sept-2022	One (1)

Course Code: CC-2 Course Title: Physical Chemistry-I (Pract)	Kinetic Experiment	Acid hydrolysis of methyl acetate	Dec-2022	One (1)
	Kinetic Experiment	Saponification of ethyl acetate	Dec-2022	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. TAPATI MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-5 Course Title:	Conductance and transport number	Conductance, specific , molar , equivalent conductance : their determination , variation of specific and equivalent conductance with dilution	July-2022	Two(2)

		Newton's equation , viscosity coefficient	Dec-2022	One (1)
		Poiseuille's equation : general features	Dec-2022	One (1)
		Determination of viscosity coefficient by falling sphere method: numerical problems	Dec-2022	One (1)
		Relative viscosity coefficient by Ostwald viscometer, Effect of temperature on viscosity of liquids and comparison with that of the gases	Dec-2022	Two (2)
		Previous year University question-answer session	Dec-2022	One (1)
Course Code: CC-5 Course Title: Physical Chemistry-II (Pract)	Determination of Partition Coefficient & Equilibrium constant	1,Theory discussion and instruction 2,Partition coefficient experiment 3.Equilibrium Constant determination by Partition method: Demonstration of calculation of eqm constant from practical data	Aug 2022 Aug-2022 Aug-2022	One (1) One (1) Two (2)
	Conductance Experiment	1.Conductometric titration of strong acid and weak acid vs strong base: graph checking	Sept-2022	Two (2)
		2. Verification of Ostwald dilution law: detailed theory/ calculation method discussion and practical	Sept-2022	Two (2)

		experiment		
		Calculation and graph checking Remedial Practical practice class for students not performing well and who are absent in some classes	Dec-2022 Dec-2022	Two (2) Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. TAPATI MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: DSE 1 Course Title: Advanced Physical Chemistry	Polymer	Clasification of polymers, nomenclature	July-2022	One (1)
		Molecular forces and chemical bonding in polymers, Texture of polymers	Aug-2022	One (1)
		Criteria for synthetic polymer formation, relationship between functionality, extent of reaction and degree of polymerisation	Aug-2022	Two (2)
		Mechanism and kinetics of step growth and copolymerisation, conducting polymers	Aug-2022	Two (2)
		Kinetics of addition polymerisation	Sept-2022	One (1)
	Dipole moment and polarisability	Polarisability of atoms and molecules : dielectric constant and polarisation	Sept-2022	One (1)

		Molar polarisation for polar and nonpolar molecules, Clausius Mosotti equation , Debye equation	Sept-2022	Two (2)
		Numerical problems	Sept-2022	One (1)
		previous years university question discussion	Sept-2022	Two (2)
	Specific heat of solids	Coefficient of thermal expansion, thermal compressibility of solids	Oct-2022	One (1)
		Dulong Petit 's law , Perfect crystal model	Nov-2022	One (1)
		Third law of thermodynamics, Nernst Heat theorem	Nov-2022	One (1)
		previous years university question discussion	Nov-2022	One (1)
	DSE-2 (Pract)	Determination of indicator constant of methyl red by spectrophotometry: Theoretical discussion	Sept-2022	One (1)
		Spectrophotometric experiment	Sept-2022	One (1)
		Data analysis, graph plotting	Sept-2022	One (1)

CHANDERNAGORE COLLEGE

CURRICULUM PLAN : ODD SEMESTER

SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. TAPATI MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CORE COURSE: CC-1C and Generic Elective (Practical)	Chemical Energetics, Equilibria, Organic Chemistry-II	Preparation of Buffer solution	Sept-2022	One (1)
		To find the pH of unknown buffer by colour matching method	Sept-2022	One (1)
		Study of solubility of benzoic acid in water	Dec-2022	Two (2)
		Measurement of pH of different solutions like fruit juice, shampoo, cold drinks by colour matching method using buffer	Dec-2022	Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. TAPATI MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Discipline 1 (Chemistry) Core Course CC-1B and Generic elective (Theo) States of Matter, Chemical Kinetics, Chemical Bonding & Molecular Structure	Kinetic Theory of Gases	Postulates, Kinetic molecular expression of pressure, Temperature and kinetic Energy	March-2023	Two (2)
		Collision phenomena, mean free path, dependence of Temp and pressure	March-2023	One (1)
		Maxwell distribution: Assumptions and final expression, Graphical representation	April -2023	One (1)
		Calculation of average, rms and most probable speed	April -2023	One (1)
		Equipartition of energy, calculation of heat capacity	May- 2023	One (1)
		Problems and question answer discussions	May- 2023	One (1)
	Real Gases	Deviation from ideal behaviour, Amagat’s curve, compressibility factor	May- 2023	One (1)
		Van-der-Waal equation, critical state, implications	June-2023	One (1)

		Andrew's curve, law of Corresponding states, Boyle temperature	June -2023	One (1)
		Problems and question answer discussion	July-2023	One (1)
Discipline 1 (Chemistry) Core Course CC-1B and Generic elective (Pract) States of Matter, Chemical Kinetics, Chemical Bonding & Molecular Structure	Study of viscosity coefficient	Determination of viscosity coefficient of an unknown liquid by Ostwald viscometre	May -2023	One (1)
	Study of surface tension	Determination of surface tension of methanol solution by stalagmometre	June - 2023	One (1)
		Calculation checking	June 2023	One (1)

CHANDERNAGORE COLLEGE

CURRICULUM PLAN : EVEN SEMESTER

SUBJECT: CHEMISTRY

NAME OF THE TEACHER: DR. TAPATI MALLIK

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023

DATE OF DISSOLUTION OF CLASSES: 07.08.2023

ACADEMIC SESSION:

2022-2023

COURSE TYPE:

HONOURS/ ~~GENERAL~~/ ~~GENERIC~~

SEMESTER: IV

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course: CC-8 Physical Chemistry – III (Theo)	Phase rule	Definition of phase, component and degrees of freedom, selected examples	Mar-2023	Two (2)
		Derivation of Phase rule for reactive and non reactive system	Mar-2023	One (1)
		Phase diagram for water and carbon dioxide	Mar-2023	Two (2)
		Phase diagram for sulphur system	April-2023	One (1)
		First order phase transition and Clapeyron equation	April-2023	One (1)
		Clausius Clapeyron equation , derivation , Trouton's rule	April-2023	One (1)
		Application of Clapeyron equation, numerical problems	April-2023	One (1)

		Water, chloroform, acetic acid system triangular plot	April-2023	One (1)
		Ideal solution at fixed temperature and pressure : principle of fractional distillation	May-2023	Two (2)
		Duhem-Margules equation: Konoweaoff's rule	May-2023	One (1)
		Positive and negative deviation from ideal behaviour : azeotropic solution, Phase diagram of phenol-water system	May-2023	Two (2)
		Solid-liquid phase diagram: eutectic mixture	May-2023	Two (2)
	LCAO and HF-SCF	LCAO-MO treatment of H_2^+ , Bonding and antibonding orbitals	June-2023	Two (2)
		Comparison of LCAO-MO and VB treatment of H_2 and their limitations	June-2023	One (1)
Core Course: CC-8 Physical Chemistry – III (Pract)	Potentiometric Titration	Potentiometric titration of Mohr salt vs dichromate	Mar-2023	One (1)
		E vs V plot, differential plot of data points	Mar-2023	One (1)
		Potentiometric Titration of Silver nitrate vs KCl	April-2023	One (1)
		Graphical Plot, Determination of solubility product	April-2023	One (1)

	Kinetics: effect of ionic strength	Study of persulfate-iodide kinetics	April-2023	One (1)
		Graphical plot: determination of rate constant	April-2023	One (1)
	Phase equilibria	Phase diagram for phenol-water system	May-2023	One (1)
		Graphical plot: determination of critical temperature and composition	May-2023	One (1)
	Solubility Product	Determination of solubility of sparingly soluble salt in water	May-2023	One (1)
		Determination of solubility of sparingly soluble salt in neutral electrolyte and in presence of common ion	May-2023	One (1)

CHANDERNAGORE COLLEGE	
CURRICULUM PLAN : GENERAL (EVEN SEMESTER)	
SUBJECT: CHEMISTRY	
NAME OF THE TEACHER: DR. TAPATI MALLIK	
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023	DATE OF DISSOLUTION OF CLASSES: 07.08.2023
ACADEMIC SESSION: 2022-2023	PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC

SEMESTER: IV

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-1D/GE-4 Course Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Conductance	Conductance, specific , equi and molar conductance : definition , unit, determination, variation of specific and equi conductance with dilution for strong and weak electrolyte	March 2022	Two (2)
		Klohlrausch's law : applications, Ostwald dilution law, transport number	March 2022	One (1)
		Application of conductance measurememt , conductometric titrations	April 2022	One (1)
	Electromotive force	Half cell potentials, emf and its determination, standard cells	April 2022	One (1)
		Reversible and irreversible cells with examples, standard electrode potential, Nernst Equation	April 2022	One (1)

		Thermodynamics of reversible cells, calculation of thermodynamic properties	April 2022	One (1)
		Concentration cell, liquid junction potential	April 2022	One (1)
		Hydrogen electrode, quinhydrone electrode : construction and pH determination	May 2022	One (1)
		Potentiometric acid-base, redox and precipitation titration	May 2022	One (1)
		Numerical problems on conductance and cell	May 2022	One (1)
	Solutions	Ideal solution and Raoult's law, deviations, non-ideal solutions	May 2022	One (1)
		Temperature composition curves of ideal and non-ideal solutions, distillation, azeotrope	June 2022	One (1)
		Nernst distribution law : applications , solvent extraction	June 2022	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. TAPATI MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course CC-1D and Generic Elective-4 (Pract)	Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Conductometric titration of strong acid vs strong base	Mar-2023	One (1)
		Conductometric titration of weak acid (Monobasic and dibasic) vs strong base	Mar-2023	Two (2)
		Graphical Plot and determination of strength	Mar-2023	One (1)
		Determination of strength of hydrogen peroxide in a given sample by titration with permanganate	April-2023	One (1)
		Determination of solubility product of potassium hydrogen tartarate in water	April-2023	One (1)

		Study of kinetics of acid hydrolysis of methyl acetate	April-2023	One (1)
		Graph plotting of ester hydrolysis and determination of rate constant	April-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. TAPATI MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ ~~GENERAL~~ /GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course-CC-14 Physical Chemistry-IV (Theo)	Photochemistry	Lambert- Beer’s law, molar absorptivity, extinction coefficient, conditions and limitations , numerical problems	Feb-2023	Two (2)
		Laws of Photochemistry : Grothus Drapers Law and Einstein’s law	Feb-2023	One (1)
		Quantum yield, reasons for low and high quantum yield, chemical actinimeter	Mar-2023	One (1)
		Franck Condon Principle; Potential energy diagram	Mar-2023	One (1)
		Primary photochemical processes and different potential energy diagram	Mar-2023	One (1)
		Bond dissociation : decay of excited states by radiative and non radiative paths	Mar-2023	Two (2)

		Fluorescence and Phosphorescence, Jablonsky diagram	April-2023	Two (2)
		Kinetics of photochemical reactions	April-2023	One (1)
		Photochemical equilibrium : dimerisation of anthracene, photochemical quenching	April-2023	One (1)
		Numerical problems, previous years university question discussion	April-2023	Two (2)
	Colloids	Characteristics of colloids, classification, properties	May-2023	One (1)
		Lyophobic and lyophilic sols, properties	May-2023	One (1)
		Zeta Potential and Stern double layer	May-2023	One (1)
		Tyndall effect, electrokinetic phenomenon	May-2023	One (1)
		Determination of Avagadro no. by Perrin's method, micelles and reverse micelles	June-2023	Two (2)
		University question discussion	June-2023	One (1)
Core Course-CC-14 Physical Chemistry-IV	Spectrophotometry	Verification of Beer's law for permanganate	Feb-2023	One (1)

(Pract)		Verification of Beer's law for dichromate	Feb-2023	One (1)
		Graph plotting, determination of molar extinction coefficient	Feb-2023	One (1)
		Determination of pH of unknown buffer using methyl red indicator	Mar-2023	One (1)
		Data analysis, Graph plotting	Mar-2023	One (1)
	Surface tension measurement	Determination of surface tension of methanol using stalagmometer	Mar-2023	One (1)
		Determination of CMC of SDS from conductance measurement	April-2023	One (1)
		Data analysis, graph plotting	April-2023	One (1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. DIPANWITA MAJUMDAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS:09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Estimation of oxalic acid by titrating it with KMnO ₄ .	Basic Understanding of Standard Solutions an Their Preparations	AUGUST 2022	2
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Estimation of Mohr's salt by titrating with K ₂ Cr ₂ O ₇	Theorydiscussion and experiment done	AUGUST 2022	2
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Estimation of Mohr's salt by titrating with KMnO ₄	Theorydiscussion and experiment done	SEPTEMBER 2022	2
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Qualitative Analysis of Single Solid Organic Compound(s) in solid organic compounds.	Theorydiscussion and experiment done.	SEPTEMBER 2022	2

Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Detection of special elements (N, Cl, and S) in organic compounds.	Lassaigne Test Principle, Related Reactions	SEPTEMBER 2022	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Solubility and Classification (solvents: H ₂ O, dil. HCl, dil. NaOH)	Solubility Principles And Classification Of Compounds Based On Solubility	NOVEMBER 2022	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Detection of functional groups: Aromatic-NO ₂ , Aromatic -NH ₂ ,	BASIC PRINCIPLES And Reactions Involved, Samples :p-Nitrobenzoic Acid, p-Chloroaniline,	DECEMBER 2022	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF NON-NITROGENOUS FUNCTIONAL GROUPS :-COOH, – CHO and >C=O	BASIC PRINCIPLES AND REACTIONS INVOLVED, SAMPLES:vanilin, benzoic acid, salicylic acid, benzophenone, salicylaldehyde	DECEMBER 2022	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF NON-NITROGENOUS FUNCTIONAL GROUPS phenolic - OH SAMPLE: Beta-Naphthol, Salicylic Acid	BASIC PRINCIPLES AND REACTIONS INVOLVED, Discussion on samples: p-nitrophenol, beta-naphthol	DECEMBER 2022	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	DECEMBER 2022	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	JANUARY 2023	1

Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	JANUARY 2023	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	JANUARY 2023	1
Generic Elective-1 (Theo.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	QUESTION ANSWER DISCUSSION RELATED TO VIVA-VOCE	FEBRUARY 2023	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6 Course Title: Inorganic Chemistry-II (Theo)	IONIC BOND: GENERAL CHARACTERISTICS, TYPES OF IONS, SIZE EFFECTS,	CHARACTERISTICS OF IONIC SOLIDS AND IONIC BOND FORMATION, FORCE TYPE AND PROPERTIES DISCUSSION	JULY, 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	RADIUS RATIO RULE AND ITS APPLICATION AND LIMITATIONS.	MODE OF ARRANGEMENT OF ATOMS, RADIUS RATIO CALCUILATIONS FOR COORDINATION NUMBER 2,3 AND 4	AUGUST, 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	RADIUS RATIO RULE AND ITS APPLICATION AND LIMITATIONS.	RADIUS RATIO CALCUILATIONS FOR COORDINATION NUMBER 6 AND LIMITATIONS	AUGUST, 2022	1

CC-6 Course Title: Inorganic Chemistry-II (Theo)	PACKING OF IONS IN CRYSTALS.	CALCULATIONS OF PACKING EFFICIENCY FOR DIFFERENT IONIC LATTICE SYSTEMS, FCC, BCC, SIMPLE, HEXAGONAL CUBIC, PACKING	AUGUST, 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	BORN-LANDÉ EQUATION WITH DERIVATION	LATTICE ENERGY DEFINITION & TERMINOLOGY PROPOSITION AND DERIVATION OF B-L EQUATION FOR IONIC SYSTEMS & PROBLEMS DISCUSSION	AUGUST, 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	BORN-LANDÉ EQUATION WITH DERIVATION	PROBLEMS DISCUSSION	SEPTEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	MADDELUNG CONSTANT IN B-L EQUATION & IMPORTANCE OF KAPUSTINSKII EXPRESSION FOR LATTICE ENERGY.	SIGNIFICANCE & PROBLEM DISCUSSION	SEPTEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	BORN-HABER CYCLE AND ITS APPLICATION	THEORY DISCUSSION OF B-H CYCLE FOR LATTICE ENERGY CALCULATION	SEPTEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	BORN-HABER CYCLE AND ITS APPLICATION	PROBLEMS DISCUSSION	OCTOBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	SOLVATION ENERGY. SOLUBILITY ENERGETICS OF DISSOLUTION PROCESS.	DEFINITION, CONCEPT OF DISSOLUTION IN DIFFERENT SOLVENTS, FACTORS INFLUENCING THE SOLUBILITY OF IONIC SOLIDS	OCTOBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	LATTICE DEFECTS	TYPES AND NATURE OF DEFECTS AND THEIR ORIGIN WITH EXAMPLES	NOVEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	LATTICE DEFECTS	TYPES AND NATURE OF DEFECTS AND THEIR ORIGIN WITH EXAMPLES	NOVEMBER 2022	1

CC-6 Course Title: Inorganic Chemistry-II (Theo)	METALLIC BOND: QUALITATIVE IDEA OF VALENCE BOND AND BAND THEORIES. SEMICONDUCTORS AND INSULATORS,	METALLIC BONDING INTRODUCTORY DISCUSSION, DRUDE MODEL, EXPLANATION OF DIFFERENT PROPERTIES OF METALS IN RESPECT TO DRUDE MODEL	DECEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	METALLIC BOND: QUALITATIVE IDEA OF VALENCE BOND AND BAND THEORIES. SEMICONDUCTORS AND INSULATORS,	BAND THEORY AND DISCUSSION OF ORIGINS OF PROPERTIES FOR METALS, SEMICONDUCTORS AND INSULATORS	DECEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	METALLIC BOND: QUALITATIVE IDEA OF VALENCE BOND AND BAND THEORIES. SEMICONDUCTORS AND INSULATORS,	BAND THEORY AND DISCUSSION OF ORIGINS OF PROPERTIES FOR METALS, SEMICONDUCTORS AND INSULATORS	DECEMBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~/ ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-1 Course Title: Basic Analytical Chemistry	Introduction to Analytical Chemistry and its interdisciplinary nature. PRESENTATION OF DATA	INTRODUCTORY LECTURE	JULY 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Concept of sampling & Importance of accuracy, precision	DISCUSSION AND PROBLEM SOLVE	AUGUST, 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	sources of error in analytical measurements	TYPES OF ERRORS, SOURCES AND THEIR DETECTION	AUGUST, 2022	1

SEC-1 Course Title: Basic Analytical Chemistry	sources of error in analytical measurements	TYPES OF ERRORS, SOURCES AND THEIR DETECTION	AUGUST, 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	SIGNIFICANT FIGURES	USE OF SIGNIFICANT FIGURES FOR CALCULATIONS IN CHEMICAL PROBLEMS	AUGUST, 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Composition of soil, Concept of pH and pH measurement,	Composition of soil and their types, origin, pH definition and its measurement in soil & problems	SEPTEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Complexometric titrations, Chelation, Chelating agents	complexes, types, ligands, metals coordination and with examples	SEPTEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Complexometric titrations, Chelation, Chelating agents	discussion on different types of complexometric titrations with examples	SEPTEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	use of indicators.	working principles of metallochromic indicators	OCTOBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Definition of pure water, contaminants (different type),	water contamination sources, nature of pollutants, composition and types	OCTOBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	water sampling methods,	DO, BOD, COD determination	NOVEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	water sampling methods,	DO, BOD, COD determination	NOVEMBER 2022	1

SEC-1 Course Title: Basic Analytical Chemistry	water purification methods.	hardness of water determination, temporary and permanent hardness removal	DECEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	water purification methods.	different processes of water purification	DECEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	water purification methods.	doubts clearance & problem discussion	DECEMBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	IONIC EQUILIBRIA	Measurement of pH of different solutions like aerated drinks, fruit juices, shampoos and soaps (use dilute solutions of soaps and shampoos to prevent damage to the glass electrode) using pHmeter and compare it with the indicator method	JULY 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic	IONIC EQUILIBRIA	Preparation of buffer solutions and find the pH of an unknown buffer solution by colour matching method (using following buffers)	AUGUST, 2022	2

Chemistry-II				
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	IONIC EQUILIBRIA	Study of the solubility of benzoic acid in water.	AUGUST, 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Solid compounds: oxalic acid, succinic acid,	AUGUST, 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Solid compounds:, resorcinol, urea, glucose,	AUGUST, 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Solid compounds: benzoic acid and salicylic acid	SEPTEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Liquid Compounds: acetone, aniline	SEPTEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Liquid Compounds: nitrobenzene.	SEPTEMBER 2022	2

Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	OCTOBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	OCTOBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	NOVEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	NOVEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	DECEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	DECEMBER 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Course Title: Inorganic Chemistry-IV (Theo)	Lanthanoids and Actinoids:	GENERAL ELECTRONIC CONFIGURATION, ABUNDANCE	JULY 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	Lanthanoids and Actinoids:	LANTHANIDE CONTRACTION, SEPARATION OF LANTHANIDES (ION- EXCHANGE METHOD)	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	Lanthanoids and Actinoids:	COMPARATIVE STUDY OF LANTHANIDS IN RESPECT TO OXIDATION STATES	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	Lanthanoids and Actinoids:	SPECTRAL STUDY OF LATHANOID IONS, FLUORESENCE PROPERTIES, MAGNETIC PROPERTIES OF LANTHANOID IONS	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	Lanthanoids and Actinoids:	ORIGIN OF COLOUR : VBT AND CFT CONCEPTS, INTENSITY AND FACTORS INFLUENCING THE COLOR OF COMPLEXES, LIGAND FIELD EFFECTS, SELECTION RULES FOR ELECTRONIC SPECTRAL TRANSITIONS; SPECTROCHEMICAL SERIES OF LIGANDS;	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	SPECIFIC EXAMPLES, CALCULATIONS OF WAVELENGTHS, 10Dq VALUES, FROM ORGEL DIAGRAMS : 3d1 TO 3d9 IONS.	SEPTEMBER 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	SPECIFIC EXAMPLES AND CALCULATIONS OF WAVELENGTHS, 10 Dq VALUES, RACAH PARAMETER	SEPTEMBER 2022	1

CC-11 Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	PROBLEMS DISCUSSION ON ORBITAL AND SPIN MAGNETIC MOMENTS, SPIN ONLY MOMENTS OF DN IONS AND THEIR CORRELATION WITH EFFECTIVE MAGNETIC MOMENTS,	SEPTEMBER 2022	1
CC-11 Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	MAGNETIC PROPERTIES OF TRANSITION METAL IONS AT DIFFERENT OXIDATION STATES, QUENCHING OF MAGNETIC MOMENT	OCTOBER 2022	1
CC-11 Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	TIP AND INTENSITY STEALING,	OCTOBER 2022	1
CC-11 Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	J-T DISTORTION EFFECTS AND ITS CONSEQUENCES	NOVEMBER 2022	1
CC-11 Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	SUPER EXCHANGE AND ANTIFERROMAGNETIC INTERACTIONS	NOVEMBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Flame Atomic Absorption and Emission Spectroscopy	Basic principles of instrumentation (choice of source, monochromator, and detectors)	JULY 2022	1

DSE-2 Course Title: Analytical methods in chemistry (Theo)	Flame Atomic Absorption and Emission Spectroscopy	Basic principles of instrumentation (choice of flame and Burner designs)	AUGUST, 2022	1
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Flame Atomic Absorption and Emission Spectroscopy	Techniques of atomization and sample introduction	AUGUST, 2022	1
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Flame Atomic Absorption and Emission Spectroscopy	Different sources of origin of chemical, ionization interferences and their removal processes	AUGUST, 2022	1
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Flame Atomic Absorption and Emission Spectroscopy	Different sources of origin of spectral interferences and their removal processes, background correction	AUGUST, 2022	1
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Flame Atomic Absorption and Emission Spectroscopy	Techniques for the quantitative estimation of trace level of metal ions from environmental samples	SEPTEMBER 2022	1
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Flame Atomic Absorption and Emission Spectroscopy	Basic theory of TGA & DTA, types of thermal methods	SEPTEMBER 2022	1
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Thermal methods of analysis	basic principle of instrumentation of TGA, DTA	SEPTEMBER 2022	1
DSE-2 Course Title: Analytical methods in chemistry (Theo)	Thermal methods of analysis	Techniques for quantitative estimation of Ca and Mg from their mixture as carbonates	OCTOBER 2022	1
DSE-2 Course Title: Analytical methods in chemistry (PRAC)	Analysis of soil	Determination of pH of soil. & Total soluble salt, Estimation of calcium, magnesium, phosphate, nitrate	OCTOBER 2022	1
DSE-2 Course Title: Analytical methods in chemistry (PRAC)	Analysis of soil	COD determination BOD determination COMPAISON OF BOD, COD AND SPECTROSCOPIC ESTIMATION	NOVEMBER 2022	1
DSE-2 Course Title: Analytical methods in chemistry (PRAC)	Analysis of soil	PROBLEM DISCUSSION	NOVEMBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 15.05.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Acid-Base concept: Arrhenius concept, theory of solvent system (in H ₂ O, NH ₃ ,	MAY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Theory of solvent system (SO ₂ and HF), LUX FLOOD CONCEPT,	MAY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	BRONSTED LOWRY THEORY, RELATIVE ACIDITY ORDER	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	LEWIS CONCEPT, group characteristics of Lewis acids	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	solvent levelling and differentiating effects. Thermodynamic acidity parameters, Drago-Wayland equation, Donor and acceptor numbers of solvents	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	relative strength of acids, Pauling's rules, structure of oxyacids	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Concept of pH, Superacids, Gas phase acidity proton affinity;	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Buffer solutions, buffer action	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Buffer capacity and problems discussion	JUNE 2023	1

CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Hydrolysis of salts	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Hydrolysis of salts	JULY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Acid-base neutralisation curves –SA vs SB, SA vs WB	JULY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	Acid-base neutralisation curves –WA vs SB, WA vs WB	JULY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	indicator, choice of indicators	JULY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	HSAB principle	JULY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	HSAB principle	JULY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Theo)	ACID-BASE REACTIONS	relative strength of acids and problems solve	JULY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(II) using standardized KMnO_4 solution	Theory discussion and practical executed	MAY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Cr(III) in a mixture using $\text{K}_2\text{Cr}_2\text{O}_7$	Theory discussion and practical executed for Cr(III) estimation	MAY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Cr(III) in a mixture using $\text{K}_2\text{Cr}_2\text{O}_7$	Theory discussion and practical executed Fe(III) estimation	JUNE 2023	1

CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Mn(II) in a mixture using standardized KMnO ₄ solution	Theory discussion and practical executed Mn(II) estimation	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Mn(II) in a mixture using standardized KMnO ₄ solution	Theory discussion and practical executed Fe(III) estimation	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Redox titrations all	Practical practice	JULY 2023	1

DATE OF COMMENCEMENT OF CLASSES: 15.05. 2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P- Block Elements	Ionic Bonding	General characteristics of ionic bonding. Energy considerations in ionic bonding, lattice energy and solvation energy	MAY 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P- Block Elements	Ionic Bonding	Statement of Born-Landé equation for calculation of lattice energy, Born-Haber cycle and its applications	MAY 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P- Block Elements	Ionic Bonding	polarizing power and polarizability. Fajan's rules, ionic character in covalent compounds	JUNE 2023	1
Generic Elective-2 (Theo) Course Title:	Ionic Bonding	bond moment, dipole moment and percentage ionic character	JUNE 2023	1

States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements				
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	Shapes of some inorganic molecules and ions on the basis of VSEPR theory	JUNE 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	Shapes of some inorganic molecules and ions on the basis of VSEPR theory, with examples and limitations of the Theory for some specific molecules	JUNE 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	Shapes of some inorganic molecules and ions on the basis of VSEPR theory	JUNE 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	hybridization with suitable examples of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements	JUNE 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	resonance and resonating structures in various inorganic and organic compounds	JUNE 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	MO Approach: Rules for the LCAO method, bonding and anti-bonding MOs and their characteristics for s-s, s-p and p-p combinations of atomic orbitals, nonbonding combination of orbitals,	JUNE 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics,	Covalent Bonding	MO treatment of homonuclear diatomic molecules of 1st and 2nd periods. (including idea of s- p mixing)	JULY 2023	1

Chemical Bonding & Molecular Structure, P-Block Elements		and heteronuclear diatomic .		
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	molecules such as CO, NO and NO ⁺ . Comparison of VB and MO approaches	JULY 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	Group-13 general configuration, BN, boric acid, borazine, inert pair effect and its consequences.	JULY 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	Group-14 general configuration, silicates, silicones, inert pair effect and its consequences.	JULY 2023	1
Generic Elective-2 (Theo) Course Title: States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	Covalent Bonding	Group-15 general configuration, phosphates, nitrogen compounds oxyacids of nitrogen and phosphorous, inert pair effect and its consequences.	JULY 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9 Course Title: Inorganic Chemistry-III (Theo)	General Principles of Metallurgy:	Chief modes of occurrence of metals based on standard electrode potentials	MARCH 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	General Principles of Metallurgy:	Ellingham diagrams for reduction of metal oxides using carbon and carbon monoxide as reducing agent	MARCH 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	General Principles of Metallurgy:	Electrolytic Reduction, Hydrometallurgy.	MARCH 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	General Principles of Metallurgy:	Methods of purification of metals: Electrolytic Kroll process, Parting process	APRIL 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	General Principles of Metallurgy:	van Arkel-de Boer process and Mond's process, Zone refining.	APRIL 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	General Principles of Metallurgy:	problems discussion, question answer solve	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Group-14 general electronic configuration, comparative oxidation states, abundance and physical properties	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Allotropes – graphite, diamond, fullerenes, CNT, graphene, gas carbon, catenation.	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of silicates,	JUNE 2023	2

CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of silicones,	JUNE 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of carbides, silicides,	JUNE 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Group-16 general electronic configuration, comparative oxidation states, physical states and properties- comparative study	JUNE 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Allotropes of oxygen, sulphur and their properties, natural abundance and uses	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of hydrogen peroxide, ozone, sulphur dioxide, sulphur trioxide	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of sulphuric acid, selenic acid and telluric acid, sulphurous acid, sulphamic acid	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of polythionic acids	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of caro's acid, marshall's acid and thiosulphuric acid/salts	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	structure, bonding, preparation, properties and uses of sulphur- nitrogen compounds	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Prac)	Inorganic preparations	Preparation of $[\text{Mn}(\text{acac})_3]$ and $\text{Fe}(\text{acac})_3$	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Prac)	Inorganic preparations	Tris-(ethylenediamine) nickel(II) chloride.	MAY 2023	2

CC-9 Course Title: Inorganic Chemistry-III (Prac)	Inorganic preparations	Potassium tris(oxalate)ferrate(III)	JUNE 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	The Atmosphere: composition and structure of the atmosphere; troposphere, stratosphere, mesosphere and thermosphere	MARCH 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	ozone layer and its role; major air pollutants: ozone layer depletion	MARCH 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	major air pollutants: CO, SO2, NOx and suspended particulate matters – their origin and harmful effects	MARCH 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	Green house effect; acid rain and photochemical smog; air pollution episodes	APRIL 2023	1

Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	air quality standard; air pollution control measures: cyclone collector, electrostatic precipitator, catalytic converter	APRIL 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	Hydrosphere: environmental role of water, natural water sources, water treatment for industrial, domestic and laboratory uses	MAY 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	water pollutants; action of soaps and detergents, phosphates, industrial effluents, agricultural runoff, domestic wastes	MAY 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	thermal pollution, radioactive pollution and their effects on animal and plant life	MAY 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	water pollution episodes: water pollution control measures : waste water treatment; chemical treatment and microbial treatment	JUNE 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	water quality standards: DO, BOD, COD, TDS and hardness parameters	JUNE 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	desalination of sea water : reverse osmosis, electrodialysis.	JUNE 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	Lithosphere: water and air in soil, waste matters and pollutants in soil	JUNE 2023	1

Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	Different types of waste classification, treatment and disposal; soil pollution and control measures.	JULY 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	Problems discussion and questions-answer solve	JULY 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	Problems discussion and questions-answer solve	JULY 2023	1
Generic Elective-4 (Theo) Title: Solutions, Phase Equilibria, Conductance, Electrochemistry & Analytical and Environmental Chemistry	Environmental Chemistry	Problems discussion and questions-answer solve	JULY 2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Elements of life: essential and beneficial elements, major, trace and ultra-trace elements. Role of metal ions (specially Na+, K+, Mg2+, Ca2+, Fe3+/2+, Cu2+/+, and Zn2+)in biological systems	FEBRUARY 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Metal ion transport across biological membrane	FEBRUARY 2023	1

CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Na ⁺ /K ⁺ -ion pump	FEBRUARY 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Oxygen transport in biological systems: Haemoglobin, Myoglobin,	MARCH 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Hemocyanine and Hemerythrin	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Electron transfer proteins: Cytochromes and Ferredoxins.	MARCH 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Hydrolytic enzymes: carbonate bicarbonate buffering system, carbonic anhydrase and carboxyanhydrase A.	APRIL 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Biological nitrogen fixation	APRIL 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Photosynthesis: Photosystem- I and Photosystem-II, Z- scheme discussion	MAY 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Toxic metal ions and their effects	MAY 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	chelation therapy	JUNE 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	Pt and Au complexes as drugs (examples only), metal dependent diseases (examples only).	JUNE 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Bio-inorganic Chemistry	problem discussion and question answer solve	JUNE 2023	2

CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	Discussion on interfering acid radicals	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	wet test for basic radicals: principle of separation and analysis of Gr-I, IIA	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	wet test for basic radicals principle of separation and analysis of Gr-IIB and Gr-IIA	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	wet test for basic radicals principle of separation and analysis of, group-IIIA & IIIB(Co ²⁺ , Ni ²⁺)	APRIL 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	wet test for basic radicals principle of separation and analysis of Gr-IIIB (Zn ²⁺ , Mn ²⁺ , IV V, insoluble salts analysis	APRIL 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	Unknown samples analysis	MAY 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	Unknown samples analysis	MAY 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	Unknown samples analysis	JUNE 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Prac)	Qualitative semimicro analysis	Unknown samples analysis	JUNE 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	TOPIC SELECTION AND DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	SELECTED TOPIC DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	SELECTED TOPIC DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	SELECTED TOPIC DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	PPT PREPARATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	PPT PREPARATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	MAY, 2021	1

DSE-4 Course Title: Dissertation followed by power point presentation	PPT PREPARATION	MOCK PRESENATION	MAY, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	MOCK PRESENTATION	WRITE-UP READY AND DEMONSTRATION	JUNE, 2021	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : HONOURS (ODD SEMESTER)				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. JYOTI NATH PAUL				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-1 Course Title: Organic Chemistry-I (Theo)	M.O Theory	Basic idea of FMO,Concept of HOMO, LUMO	Aug-2022	Two(2)
		Construction of M.Os of acyclic conjugated & cyclic conjugated systems	Sept-2022	Three(3)
	Aromaticity, Homoaromaticity, Antiaromaticity	Concept of Aromaticity	Sept-2022	Three(3)
		Concept of Homoaromaticity & Antiaromaticity, Problem discussion	Sept-2022	Three (3)

		Problem discussion	Oct-2022	Two (2)
			Oct-2022	One (1)
			Dec-2022	Two(2)
Course Code: CC-1 Course Title: Organic Chemistry-I (Pract)	Single Compound Detection		Sept-2022	Four (4)
			Dec-2022	one (1)
	M.P & B. P detection		Dec-2022	One (1)
	Separation of Organic solid mixture		Jan-2022	Three (3)
Course Code: General Elective-I (Prac) Course Title: Atomic Structure, Chemical Periodicity, Acids and Bases, Redox Reactions, General Organic Chemistry and Aliphatic Hydrocarbons		Qualitative Analysis of Organic Compounds (Detection of Special Element, Functional Groups)	Sept-2022 to Dec-2022	20 (Twenty classes)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. JYOTI NATH PAUL				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-7 Course Title: Organic Chemistry- III (Theo)	Organometallics	Grignard & Organolithium reagents. Gilman Reagent, Corey-House Organocopper, Reformatsky. Umpolung, Base nucleophile dichotomy	July-2022 to Aug-2022	Seven(7)
	Carbonyl & Related Chemistry	Ester hydrolysis Mechanism. Enolate Chemistry. Synthetic application of Ethylacetoacetate & Diethylmalonate	Sept-2022 To Oct-2022	Eight (8)

Course Code: CC-7 Course Title: Organic Chemistry- III (Theo)		Alkyne Chemistry, Birch Reduction	Dec-2022	Three(3)
		Discussion of University questions	Dec-2022	Two (2)
Course Code: CC-7 Course Title: Organic Chemistry- III(Pract)	Organic Qualitative Analysis & Derivatisation	Detection of special elements	Aug 2022	Four (4)
		Detection of Nitrogenous and non-nitrogenous functional groups	Sept-2022 Oct-2022	Four (4) Four(4)
		Preparation of derivatives and determination of m.p.s Analysis of Unknown samples	Dec-2022	Four (4)
Course Code: SEC-I(G) Course Title: Analytical Clinical Biochemistry		Carbohydrate, Protein, Enzyme, Structure of DNA & RNA, Urine & Blood characteristics	Sept-2022 To Dec-2022	Eleven(11)

SEM III				
CORE COURSE: CC-1C and Generic Elective (Practical)	Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of Pure Organic Compound: Solid compounds	Sept-2022	Three(3)
		Liquid Compounds	Dec-2022	Two (2)
			Dec-2022	Two (2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : ODD SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. JYOTI NATH PAUL				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC 12 Course Title: Organic Chemistry - V		Terpenoids & Alkaloids	July-2022	Two (2)
		Pericyclic Reaction	Aug-2022	
			Aug & Sept- 2022	Six (6)
		Carbohydrate	Sept-2022	Four (4)
		Nov-2022	Two (2)	
		Biomolecules	Nov -2022	Three (3)
CC-12 (Pract) Organic Chemistry - V		Spectroscopic analysis of Organic Compounds	July-2022	Two(2)
			Aug-2022	Six(6)
			Sept-2022	Two(2)

		TLC Experiment	Sept-2022	Two (2)

CHANDERNAGORE COLLEGE

CURRICULUM PLAN : EVEN SEMESTER

SUBJECT: CHEMISTRY

NAME OF THE TEACHER: DR. JYOTI NATH PAUL

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023

DATE OF DISSOLUTION OF CLASSES: YET TO BE
DISSOLVED

ACADEMIC SESSION:

2022-2023

COURSE TYPE:

HONOURS

SEMESTER: II

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course: CC-4 Organic Chemistry – II (Theo)	General Treatment of Reaction Mechanism	Reaction Thermodynamics & Reaction kinetics	Mar-2023 Mar-2023	Two (2) Two (2)
		Organic Acid Bases	Mar-2023 April-2023	Two (2) Two (2)
		Tautomerism	April-2023	Two(2)
		Stereochemistry	April-2023 To May -2023	Eight (8)
		University question answer discussion	June-2023	Two (2)
Core Course: CC-4 Organic Chemistry – II (Prac)	Organic Preparations	Nitration of acetanilide	Mar-2023	One (1)
		Hydrolysis of amides	Mar-2023	One (1)

		Acetylation of aromatic amines, phenols	April-2023	One (1)
		Benzoylation of aromatic amines, phenols	April-2023	One (1)
		Side Chain Oxidation	April-2023	One (1)
		Condensation Reaction	April-2023	One (1)
		Bromination of acetanilide in green method	May-2023	One (1)
		Diazo coupling reaction of aromatic amines	May-2023	One (1)
		Green multi component coupling reaction	May-2023	One (1)
		Selective reduction of m-dinitrobenzene	May-2023	One (1)
		Purification of crude by recrystallisation	June-2023	Two(2)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. JYOTI NATH PAUL				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: Yet to be dissolved	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course: CC-10 Organic Chemistry – IV (Theo)	Spectroscopy	IR Spectroscopy	Mar-2023	Four(4)
		1-H NMR Spectroscopy	April 2023 May 2023	Seven (7)
		Retrosynthesis	May-2023	Four (4)
		Ring synthesis & Asymmetric Synthesis	June-2023	Four (4)
SEC-2 Pharmaceutical Chemistry		1. Drugs & Pharmaceuticals. 2. Fermentation Process	Mar-2023 to May-2023	Ten (10)

Core Course: CC-10 Organic Chemistry – IV (Prac)		Estimation of aniline by Bromate-bromide method	Mar-2023	One(1)
		Estimation of Phenol by Bromate-bromide method	Mar-2023	One(1)
		Estimation of Vitamin-C	Mar-2023	One(1)
		Estimation of acetic acid in commercial vinegar	April-2023	One(1)
		Estimation of Formaldehyde	April-2023	One(1)
		Estimation of Glucose	April-2023	One(1)
		Estimation of urea	April-2023	One(1)
		Estimation of Saponification value of oil	May 2023	One(1)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN : EVEN SEMESTER				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. JYOTI NATH PAUL				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course-DSE-3 Green Chemistry (Theo)		1.Principles of Green chemistry 2.Microwave Reactions 3.Supercritical Carbon di oxide, PEG, Ionic Liquids, Fluorous Biphasic Solvents etc.	Feb-2023 to April-2023	Eleven (11)
		University question discussion	May-2023	Three(3)
DSE-3 Practical Green Chemistry		Photoreduction,Benzoin Condensation, Rearrangement Reactions in Greener Way	Feb-2023 to Mar-2023	Six(6)

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC	
Course Code: DSE-1B Course Title: The Functional Group Organic Chemistry and Industrial Chemistry (Theo)	Organic Chemistry	Paints & Vernishes	Feb-2023	4
		Drugs & Pharmaceuticals	Mar-2023	2
		Oils & Fats	Mar-2023	2
		Polymers	Apr-2023	4
		Pesticides	May-2023	2
Course Code: DSE-1B Course Title: The Functional Group Organic Chemistry and Industrial Chemistry (Prac)		Estimation of acetic acid in commercial vinegar	Feb-2023	1
		Nitration of acetanilide	Feb-2023	1
		Hydrolysis of amides	Feb-2023	1
		Condensation reaction	Mar-2023	1
		Acetylation of aromatic amines	Mar-2023	1
		Benzoylation of aromatic amines	Mar-2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. KINSUK DAS				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS:09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Estimation of oxalic acid by titrating it with KMnO4.	Basic Understanding of Standard Solutions and Their Preparations	AUGUST 2022	2
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Estimation of Mohr’s salt by titrating with K2Cr2O7	Theory discussion and experiment done	AUGUST 2022	2
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Estimation of Mohr’s salt by titrating with KMnO4	Theory discussion and experiment done	SEPTEMBER 2022	2
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Qualitative Analysis of Single Solid Organic Compound(s) in solid organic compounds.	Theory discussion and experiment done.	SEPTEMBER 2022	2
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Detection of special elements (N, Cl, and S) in organic compounds.	Lassaigne Test Principle, Related Reactions	SEPTEMBER 2022	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Solubility and Classification (solvents: H2O, dil. HCl, dil. NaOH)	Solubility Principles And Classification Of Compounds Based On Solubility	NOVEMBER 2022	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	Detection of functional groups: Aromatic-NO2, Aromatic -NH2,	BASIC PRINCIPLES And Reactions Involved, Samples :p-Nitrobenzoic Acid, p-Chloroaniline,	DECEMBER 2022	1

Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF NON-NITROGENOUS FUNCTIONAL GROUPS :-COOH, – CHO and >C=O	BASIC PRINCIPLES AND REACTIONS INVOLVED, SAMPLES: vanillin, benzoic acid, salicylic acid, benzophenone, salicylaldehyde	DECEMBER 2022	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF NON-NITROGENOUS FUNCTIONAL GROUPS phenolic - OH SAMPLE: Beta-Naphthol, Salicylic Acid	BASIC PRINCIPLES AND REACTIONS INVOLVED, Discussion on samples: p-nitrophenol, beta-naphthol	DECEMBER 2022	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	DECEMBER 2022	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	JANUARY 2023	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	JANUARY 2023	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	Detection procedure and Reporting of functional groups in unknown samples	JANUARY 2023	1
Generic Elective-1 (Prac.) Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	DETECTION OF FUNCTIONAL GROUPS IN UNKNOWN SAMPLES	QUESTION ANSWER DISCUSSION RELATED TO VIVA-VOCE	FEBRUARY 2023	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	General introduction to radioactivity, historical development, half-life, average life, equilibria, disintegration	JULY, 2022	2
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Nuclear stability, nuclear forces, meson exchange theory	AUGUST, 2022	2
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Group displacement law, radioactive series, Bethe's notation	AUGUST, 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Nuclear models: liquid drop model and nuclear shell model	AUGUST, 2022	2
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Artificial radioactivity, artificial transmutation, nuclear fusion and spallation	SEPTEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Nuclear fission, Nuclear reactor, atom bomb, energetic comparison of fission & fusion	SEPTEMBER 2022	2
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Numerical problem discussion	SEPTEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Separation of isotopes, use of isotopes in several fields	SEPTEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Age of earth determination and radio carbon dating	OCTOBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Theo)	Radioactivity	Numerical problems discussion	OCTOBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Practical)	Iodometric Titrations	Estimation of Cu(II) by iodometry	NOVEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Practical)	Iodometric titrations	Estimation of Cu in brass.	NOVEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Practical)	Dichromatometry	Estimation of Cr and Mn in Steel	DECEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Practical)	Iodimetric titrations	Estimation of Vitamin C	DECEMBER 2022	1
CC-6 Course Title: Inorganic Chemistry-II (Practical)	Iodimetric titrations	Estimation of arsenite by iodimetric method.	DECEMBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of food products	Introductory Lecture	JULY 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of food products	Classification of foods	AUGUST, 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of food products	Nutritional value of foods	AUGUST, 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of food products	Food processing	AUGUST, 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of food products	Food preservation	AUGUST, 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of food products	Food adulteration	SEPTEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of cosmetics	Introductory lecture	SEPTEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of cosmetics	Major and minor constituents of cosmetics and their function	SEPTEMBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of cosmetics	Analysis of deodorants and antiperspirants	OCTOBER 2022	1
SEC-1 Course Title: Basic Analytical Chemistry	Analysis of cosmetics	Al, Zn, Boric acid, chloride and sulphate analysis	OCTOBER 2022	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	IONIC EQUILIBRIA	Measurement of pH of different solutions like aerated drinks, fruit juices, shampoos and soaps using pH-meter and compare it with the indicator method	JULY 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	IONIC EQUILIBRIA	Preparation of buffer solutions and find the pH of an unknown buffer solution by colour matching method	AUGUST 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	IONIC EQUILIBRIA	Study of the solubility of benzoic acid in water.	AUGUST 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Solid compounds: oxalic acid, succinic acid,	AUGUST 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Solid compounds:, resorcinol, urea, glucose,	AUGUST 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Solid compounds: benzoic acid and salicylic acid	SEPTEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Liquid Compounds: acetone, aniline	SEPTEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Liquid Compounds: nitrobenzene.	SEPTEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	OCTOBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	OCTOBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	NOVEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	NOVEMBER 2022	2

Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	DECEMBER 2022	2
Generic Elective-3 (Prac) Title: Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of a pure organic compound	Practice classes for unknown samples	DECEMBER 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Introduction to magnetochemistry	JULY 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Spin only moment, orbital contribution and spin-orbit coupling	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Curie equation and Curie-Weiss equation, Magnetically concentrated and dilute materials	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Theoretical explanations of experimentally found magnetic moments (in B.M units)	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Anomalous Magnetic moments (Examples)	AUGUST, 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Super-exchange Phenomena, Ferromagnetic, antiferromagnetic interactions	SEPTEMBER 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Quadruple bonding, examples	SEPTEMBER 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Transition metal Chemistry (ox. State, Electronic Configuration, Reduction potentials and magnetic behaviour.)	SEPTEMBER 2022	1
CC-11Course Title: Inorganic Chemistry-IV (Theo)	COORDINATION CHEMISTRY-II	Question-answer discussions	OCTOBER 2022	1

DATE OF COMMENCEMENT OFCLASSES:15.05.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
SESSION: 2022-2023			COURSE TYPE: HONOURS	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Redox chemistry concept: Modern definition of redox reactions, complementary and non-complementary reactions, Ion - electron method balance	MAY 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Electrode potentials, construction of cell, Std, formal potentials, origin of potentials, Sign convention	JUNE 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Effect of pH, complex formation and solubility products on electrode potentials	JUNE 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Latimer diagram, Frost diagram, Pourbeix diagram, Disproportionation and comproportionation	JUNE 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Redox indicators, Choice of indicators in redox titrations	JUNE 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Redox titrations, calculation of potentials at start, intermediate and at equivalence points	JULY 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Systematic group analysis of basic radicals in Qualitative analysis	JULY 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Theo)	Redox Chemistry	Analysis of chlorides, sulphides, hydroxides and carbonates in the light of solubility product, common ion effect	JULY 2023	2
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(II) using standardized KMnO4 solution	Theory discussion and practical executed	MAY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Cr(III) in a mixture using K2Cr2O7	Theory discussion and practical executed for Cr(III) estimation	MAY 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Cr(III) in a mixture using K2Cr2O7	Theory discussion and practical executed Fe(III) estimation	JUNE 2023	1

CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Mn(II) in a mixture using standardized KMnO ₄ solution	Theory discussion and practical executed Mn(II) estimation	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Estimation of Fe(III) and Mn(II) in a mixture using standardized KMnO ₄ solution	Theory discussion and practical executed Fe(III) estimation	JUNE 2023	1
CC-3 Course Title: Inorganic Chemistry-I (Prac)	Redox titrations all	Practical practice	JULY 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Position of ‘s’ and ‘p’ block elements and their general chemical properties	MARCH 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Group: 1 (Alkali metals)	MARCH 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Important compounds of alkali metals	MARCH 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Group: 2 (Alkaline earth metals)	APRIL 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Important compounds of alkaline earth metals	APRIL 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Group: 13 General introduction	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Chemistry of borates, boranes and borohydrides	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Borazene, boron nitride, boric acid, borax and boroxine	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	GROUP: 15 General introduction	JUNE 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Oxides and oxoacids of nitrogen	JUNE 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Oxides and oxoacids of phosphorus	JUNE 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Polyphosphates, metaphosphates and condensed phosphates	JUNE 2023	1
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Phosphonitrilic compounds and phosphazene	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Theo)	Chemistry of s and p Block Elements:	Structure and bonding of phosphazenes	JULY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Prac)	Inorganic preparations	Preparation of [Mn(acac)3] and Fe(acac)3]	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Prac)	Inorganic preparations	Tris-(ethylenediamine) nickel(II) chloride.	MAY 2023	2
CC-9 Course Title: Inorganic Chemistry-III (Prac)	Inorganic preparations	Potassium tris(oxalate)ferrate(III)	JUNE 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Definition and classification of organometallic compounds on the basis of bond type, history of organometallics	FEBRUARY 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Hapticity of ligands, 18-electron rule and 16-electron rules (pictorial MO approach with illustrations)	FEBRUARY 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Applications of 18-electron rule to metal carbonyls clusters, nitrosyls, cyanides	FEBRUARY 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	General methods of preparation of mono and binuclear carbonyls of 3d series	MARCH 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Structures of mononuclear & binuclear carbonyls and 18-e rule calculations at each centre	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Pi-acceptor properties of CO, synergic effect	MARCH 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Use of IR data to explain extent of back bonding in carbonyls, nitrosyls, alkene and alkyne complexes	APRIL 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Zeise's salt: Preparation, structure, evidences of synergic effect.	APRIL 2023	1
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Ferrocene: Preparation and reactions (acetylation, alkylation, metallation, Mannich Condensation)	MAY 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Organometallic Chemistry	Reactions of organometallic complexes: substitution, oxidative addition, reductive elimination and insertion reactions. Basics of catalysis, homogeneous and heterogeneous catalysis, TON and TOF concepts	MAY 2023	2

CC-13 Course Title: Inorganic Chemistry-V (Theo)	Catalysis by Organometallic Compounds	Alkene hydrogenation (Wilkinson's Catalyst) & their modifications Hydro formylation- cobalt and Rh catalysis modifications	JUNE 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Catalysis by Organometallic Compounds	Wacker Process and applications & Synthetic gasoline (Fischer Tropsch reaction)	JUNE 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Theo)	Catalysis by Organometallic Compounds	Ziegler-Natta catalysis for olefin polymerization. And modifications	JUNE 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	Discussion on interfering acid radicals	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	wet test for basic radicals: principle of separation and analysis of Gr-I, IIA	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	wet test for basic radicals principle of separation and analysis of Gr-IIB and Gr-IIA	MARCH 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	wet test for basic radicals principle of separation and analysis of, group-IIIA & IIIB(Co ²⁺ , Ni ²⁺)	APRIL 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	wet test for basic radicals principle of separation and analysis of Gr-IIIB (Zn ²⁺ , Mn ²⁺ , IV V, insoluble salts analysis	APRIL 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	Unknown samples analysis	MAY 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	Unknown samples analysis	MAY 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	Unknown samples analysis	JUNE 2023	2
CC-13 Course Title: Inorganic Chemistry-V (Practical)	Qualitative semimicro analysis	Unknown samples analysis	JUNE 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	TOPIC SELECTION AND DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	SELECTED TOPIC DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	SELECTED TOPIC DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	SELECTED TOPIC DISCUSSION	MARCH, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	DISSERTATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	PPT PREPARATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	APRIL, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	PPT PREPARATION	MENTORING AND GUIDANCE FOR PPT PREPARATION	MAY, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	PPT PREPARATION	MOCK PRESENTATION	MAY, 2021	1
DSE-4 Course Title: Dissertation followed by power point presentation	MOCK PRESENTATION	WRITE-UP READY AND DEMONSTRATION	JUNE, 2021	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: CHEMISTRY				
NAME OF THE TEACHER: DR. SUMANA SENGUPTA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-1 Course Title: Organic Chemistry-I (Theo)	General treatment of Reaction Mechanism and Reactive Intermediates	Mechanistic Classification: Ionic, Radical and Pericyclic, Definition and Examples	Aug 2022	1
		Reaction type: Addition, Substitution, Elimination, Definition and Examples	Sept 2022	1
		Nature of bond cleavage and bond formation, Definition and Examples	Sept 2022	1
		Carbocations: Carbenium and Carbonium ions, classification, formation, stability, structure, hybridisation	Sept 2022	2
		Carbenes: classification, formation, stability, structure, hybridisation, reactions.	Oct 2022	2

		Carbon Radical Carbanions	Nov 2022	2
		Electrophilicity in terms of FMO approach	Dec 2022	2
Course Code: CC-1 Course Title: Organic Chemistry-I (Pract)	Single Compound Detection		Sept 2022	4
	M.P & B. P detection		Nov 2022	2
	Separation of Organic solid mixture		Dec 2022	3
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
Course Code: General Elective-I (Prac) Course Title: Atomic Structure, Chemical Periodicity, Acids and Bases, Redox Reactions, General Organic Chemistry and Aliphatic Hydrocarbons		Detection of Special elements	Sept 2022	2
		Detection of Nitrogenous functional group	Sept 2022	1
		Detection of Non-Nitrogenous functional group	Sept 2022	1
		Detection of Special elements and functional groups in unknown organic compounds	Nov 2022 Dec 2022	6

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC-7 Course Title: Organic Chemistry-III (Theo)	Carbonyl and related compounds	Structure, reactivity and preparations of carbonyl compounds ,Addition to C=O, nucleophilic additions, nucleophilic addition- elimination reactions	Jul 2022 Aug 2022	3
		Benzoin Condensation, Cannizzaro, Tischenko	Aug 2022 Sept 2022	4
		Reaction with Ylides, Oxidation and Reductions Aldol, Tollens, halogenation, HVZ, Knoevenagel, Dieckmann, Claisen-Schmidt, Stobbe Reactions,	Sept 2022 Nov 2022	2 3
		Nucleophilic addition to α,β -unsaturated carbonyl system, general principle and mechanism , Favorskii reactions, Michael, Robinson, Mannich, Perkin Reactions.	Dec 2022	4
Course Code: CC-7 Course Title: Organic Chemistry-III(Pract)	Organic Qualitative Analysis & Derivatisation	Detection of special elements	Aug 2022	2

		Detection of Nitrogenous and non-nitrogenous functional groups	Aug 2022	2
		Preparation of derivatives and determination of m.p.s	Sept 2022	4
Course Code: SEC-I Course Title: Basic Analytical Chemistry	Chromatography	Definition, General introduction to different type of chromatography	Jul 2022	1
		Paper Chromatography	Aug 2022	1
		TLC	Aug 2022	1
		Column Chromatography	Sept 2022	1
		Ion exchange chromatography	Sept 2022	1
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
CORE COURSE: CC-1C and Generic Elective (Theory)	Chemical Energetics, Equilibria, Organic Chemistry-II	Aromatic Hydrocarbons, Ether	Jul 2022 Aug 2022	1 3
		Phenols , Carbonyl Compounds	Sept 2022	4
		Carbonyl Compounds	Oct 2022 Nov 2022	4

CORE COURSE: CC-1C and Generic Elective (Practical)	Chemical Energetics, Equilibria, Organic Chemistry-II	Identification of Pure Organic Compound: Solid compounds Liquid Compounds	Aug 2022 to Dec 2022	8
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Course Code: CC 12 Course Title: Organic Chemistry - V	Heterocycles	Furan	Jul 2022	1
		Thiophene	Aug 2022	2
		Pyrrole	Aug 2022	2
		Pyridine	Sept 2022	2
		Indole	Sept 2022	2
		Quinoline, Isoquinoline	Oct 2022	3
		Naphthalene, anthracene, phenanthrene	Nov 2022	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course: CC-4 Organic Chemistry – II (Theo)	Substitution and Elimination reactions	SN1, SN1’ and problem discussion	Mar 2023	3
		SN2, SN2’ and problem discussion	Apr 2023	3
		NGP E2	May 2023	4
		E1cb	Jun 2023	1
		Substitution Vs Elimination	Jun 2023	2
		Crown ethers, PTC	Jun 2023	1
	Core Course: CC-4 Organic Chemistry – II (Prac)	Organic Preparations	Nitration of acetanilide	Mar 2023
		Hydrolysis of amides	Mar 2023	1
		Acetylation of aromatic amines, phenols	Mar 2023	1
		Benzoylation of aromatic amines, phenols	Apr 2023	1
		Side Chain Oxidation	Apr 2023	1

		Condensation Reaction	Apr 2023	1
		Bromination of acetanilide in green method	Apr 2023	1
		Diazo coupling reaction of aromatic amines	May 2023	1
		Green multi component coupling reaction	May 2023	1
		Selective reduction of m-dinitrobenzene	May 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course: CC-10 Organic Chemistry – IV (Theo)	Rearrangements	Rearrangement to electron deficient Carbon	Mar 2023	3
		Rearrangement to electron deficient Nitrogen	Mar 2023 Apr 2023	1 2
		Rearrangement to electron deficient Oxygen	Apr 2023	2
		Aromatic rearrangement, migration from nitrogen to ring carbon	May 2023	3
		University questions discussions	May 2023	1
	Spectroscopy	UV-Spectroscopy	Jun 2023	3
Core Course: CC-10 Organic Chemistry – IV (Prac)		Estimation of aniline by Bromate-bromide method	March 2023	1
		Estimation of Phenol by Bromate-bromide method	March 2023	1
		Estimation of Vitamin-C	March 2023	1
		Estimation of acetic acid in commercial vinegar	March 2023	1

		Estimation of Formaldehyde	Apr 2023	1
		Estimation of Glucose	Apr 2023	1
		Estimation of urea	May 2023	1
		Estimation of Saponification value of oil	May 2023	1

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course-DSE-3 Green Chemistry (Theo)		Green Solvents: Water	Feb 2023	3
		Right fit Pigment	Mar 2023	2
		Healthier fats and oils	Mar 2023	2
		Trans fats and oils	Apr 2023	1
		Bio diesel and bio ethanol,	Apr 2023	1
		University question discussion	Apr 2023	2
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
Course Code: DSE-1B Course Title: The Functional Group Organic Chemistry and Industrial Chemistry (Theo)	Organic Chemistry	Amines and Diazonium salt	Feb 2023	4
		Nitro compounds	Mar 2023	2
		Amino acids	Mar 2023	2

		Carbohydrates	Apr 2023	3
		Carboxylic acids	May 2023	1
		Derivatives of Carboxylic acids	May 2023	2
Course Code: DSE-1B Course Title: The Functional Group Organic Chemistry and Industrial Chemistry (Prac)		Estimation of acetic acid in commercial vinegar	Feb 2023	1
		Nitration of acetanilide	Feb 2023	1
		Hydrolysis of amides	Feb 2023	1
		Condensation reaction	Feb 2023	1
		Acetylation of aromatic amines	Mar 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course I: Microbiology and Phycology (THEORY)	Unit 1: INTRODUCTION TO MICROBIAL WORLD	Microbial nutrition, growth and metabolism. Economic importance of viruses with reference to vaccine production, role in medicine and as causal organisms of plant diseases.	SEPTEMBER, 2022	2
Core Course I: Microbiology and Phycology (THEORY)	Unit 3: BACTERIA	Discovery, general characteristics	NOVEMBER, 2022	2
Core Course I: Microbiology and Phycology (THEORY)	Unit 3: BACTERIA	Principles in Bacterial Taxonomy,	DECEMBER, 2022	2

Core Course I: Microbiology and Phycology (THEORY)	Unit 3: BACTERIA	Bergey's Man. of Syst. Bact.; 2nd Ed. - 2001-05; Types- Archaea	JANUARY, 2023	2
Core Course I: Microbiology and Phycology (PRACTICAL)	Aseptic method a) Sterilization technique by Autoclaving, Hot air oven and surface sterilization.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
Core Course I: Microbiology and Phycology (PRACTICAL)	STAINING	PRINCIPLE, PROCEDURE AND DISCUSSION	DECEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 1: MICROBES	Discovery, general structure, replication (general account),	SEPTEMBER, 2022	2
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 1: MICROBES	DNA virus (T-phage); Lytic and lysogenic cycle, RNA virus (TMV); Economic importance; Bacteria – Discovery	DECEMBER, 2022	2
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 1: MICROBES	General characteristics and cell structure; Reproduction – vegetative, asexual and recombination (conjugation,	JANUARY, 2023	2

		transformation and transduction); Economic importance.		
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	4. Microbiology: Sterilization techniques.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	Simple staining of Bacteria with methylene blue/Carbol Fuchsin – Curd	PRINCIPLE, PROCEDURE AND DISCUSSION	DECEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 5 : Plant ECOLOGY AND Phytogeograph y (THEORY)	Unit 1: Introduction	Basic concepts; Levels of organization. Inter-relationships between the living world and the environment, the components and dynamism, homeostasis	JULY, 2022	2
Core Course 5 : Plant ECOLOGY AND Phytogeograph y (THEORY)	Unit 2: Soil	Importance; Origin; Formation; Composition; Physical; Chemical and Biological components.	AUGUST, 2022	5
Core Course 5 : Plant ECOLOGY AND Phytogeograph y (THEORY)	Unit 3: Water	Importance: States of water in the environment; Atmospheric moisture; Precipitation types (rain, fog, snow, hail, dew); Hydrological Cycle; Water in soil	SEPTEMBER, 2022	4

Core Course 5 : Plant ECOLOGY AND Phytogeography (THEORY)	Unit 4: Light, temperature, Wind Fire	Climatic variables; adaptations of plants to their variation	NOVEMBER, 2022	3
Core Course 5 : Plant ECOLOGY AND Phytogeography (THEORY)	Unit 5: Ecosystem	Structure; Process; Trophic organization, basic source of energy, autotrophy, heterotrophy; symbiosis, commensalism, parasitism; food chains and webs; ecological pyramids; biomass, standing crop.	DECEMBER, 2022	5
Core Course 5 : Plant ECOLOGY AND Phytogeography (PRACTICAL)	Ecological adaptations of some species: <i>Ipomoea aquatica</i> stem, Phyllode of <i>Acaccia</i> <i>auriculiformis</i> , <i>Nerium</i> leaf and <i>Vanda</i> root	PRINCIPLE, PROCEDURE AND DISCUSSION	AUGUST, 2022	2
Core Course 5 : Plant ECOLOGY AND Phytogeography (PRACTICAL)	Ecological adaptations of some species: <i>Ipomoea aquatica</i> stem, Phyllode of <i>Acaccia</i> <i>auriculiformis</i> , <i>Nerium</i> leaf and <i>Vanda</i> root	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	2
Core Course 5 : Plant ECOLOGY AND Phytogeography (PRACTICAL)	Ecological adaptations of some species: <i>Ipomoea aquatica</i> stem, Phyllode of <i>Acaccia</i> <i>auriculiformis</i> , <i>Nerium</i> leaf and <i>Vanda</i> root.	PRINCIPLE, PROCEDURE AND DISCUSSION	NOVEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 2: Organs	Structure of Dicot and Monocot root, stem and leaf.	AUGUST, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 2: Organs	Structure of Dicot and Monocot root, stem and leaf.	SEPTEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 6: pollination and fertilization	Pollination mechanisms and adaptations; Double fertilization.	NOVEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 6: pollination and fertilization	Seed-structure appendages and dispersal mechanisms	DECEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (PRACTICAL)	Stem: Monocot: <i>Zea mays</i> ; Dicot: <i>Helianthus</i> ; Secondary: <i>Helianthus</i> (only Permanent slides). Root: Monocot: <i>Zea mays</i> ;	PRINCIPLE AND DISCUSSION	AUGUST, 2022	2

	Dicot: <i>Helianthus</i> ; Secondary: <i>Helianthus</i> (only Permanent slides).			
SEC 1 (2) Herbal Technology (THEORY)	Unit 1: Herbal medicines:	History and scope - definition of medical terms - role of medicinal plants in Siddha systems of medicine;	AUGUST, 2022	2
SEC 1 (2) Herbal Technology (THEORY)	Unit 1: Herbal medicines:	Cultivation - harvesting - processing - storage - marketing and utilization of medicinal plants.	SEPTEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 11 : Plant Physiology (THEORY)	Unit 2: Mineral nutrition	Essential and beneficial elements, macro and micronutrients, methods of study and use of nutrient solutions	JULY, 2022	3
Core Course 11 : Plant Physiology (THEORY)	Unit 2: Mineral nutrition	Criteria for essentiality, mineral deficiency symptoms, roles of essential elements, chelating agents.	AUGUST, 2022	3
Core Course 11 : Plant Physiology (PRACTICAL)	Study of the effect of Humidity and light on the rate of transpiration in excised twig/leaf.	PRINCIPLE, PROCEDURE AND DISCUSSION	JULY, 2022	1
Core Course 12 : Plant Metabolism (THEORY)	Unit 7: Nitrogen metabolism	Nitrate assimilation, biological nitrogen fixation (examples of legumes and non- legumes);	SEPTEMBER, 2022	3

		Physiology and biochemistry of nitrogen fixation; Ammonia assimilation and transamination.		
Core Course 12 : Plant Metabolism (PRACTICAL)	To study the effect of light intensity on the rate of photosynthesis.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Pollination and fertilization	Pollination types and significance; adaptations; structure of stigma and style; path of pollen tube in pistil; double fertilization.	AUGUST, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Pollination and fertilization	Path of pollen tube in pistil; double fertilization.	SEPTEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Pollination and fertilization	double fertilization.	NOVEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Pollination and fertilization	structure of stigma and style	NOVEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	Pollination types by photographs	PRINCIPLE, PROCEDURE AND DISCUSSION	AUGUST, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	Pollination types by photographs	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	2

DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	Pollination types by photographs	PRINCIPLE, PROCEDURE AND DISCUSSION	NOVEMBER, 2022	2
DSE 2 (2) Natural Resource Management (THEORY)	Unit 8	Contemporary practices in resource management EIA, GIS, Participatory Resource Appraisal	SEPTEMBER, 2022	2
DSE 2 (2) Natural Resource Management (THEORY)	Unit 8	Ecological Footprint with emphasis on carbon footprint, Resource Accounting; Waste management.	NOVEMBER, 2022	2
DSE 2 (2) Natural Resource Management (PRACTICAL)	Unit 3	Measurement of dominance of woody species by DBH (diameter at breast height) method.	SEPTEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 9: Plant tissue culture	Micropropagation; haploid production through androgenesis.	JULY, 2022	1
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 9: Plant tissue culture	Gynogenesis; brief account of embryo	AUGUST, 2022	3
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 9: Plant tissue culture	Endosperm culture with their applications	SEPTEMBER, 2022	3
DSE 1A: Economic Botany and Biotechnology (PRACTICAL)	Study through photographs: Anther culture	Discussion	AUGUST, 2022	2
DSE 1A: Economic Botany and Biotechnology (PRACTICAL)	3.Study through photographs: somatic embryogenesis, endosperm and embryo culture; micropropagation	Discussion	SEPTEMBER, 2022	2

	n.			
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2:Loss of Biodiversity:	Unit 2:Loss of Biodiversity: Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity, Loss of agrobiodiversity, Projected scenario for biodiversity loss,	JULY, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2:Loss of Biodiversity:	Management of Plant Biodiversity: Organizations associated with biodiversity management	AUGUST, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2:Loss of Biodiversity:	Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR	SEPTEMBER, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2:Loss of Biodiversity:	Biodiversity legislation and conservations, Biodiversity information management and communication.	NOVEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course IV: Morphology & Anatomy of Angiosperms (THEORY)	Unit 5: Vascular Cambium and wood	Structure, function and seasonal activity of cambium; Secondary growth in root and stem with special reference to <i>Bignonia</i> , <i>Dracaena (Cordvline)</i> , <i>Boerhaavia</i> and <i>Strychnos</i> .	MARCH, 2023	4
Core Course IV: Morphology & Anatomy of Angiosperms (THEORY)	Unit 5: Vascular Cambium and wood	Types of rays and axial parenchyma; Sapwood and heartwood; Ring and diffuse porous wood; Early and late wood, tyloses;	APRIL, 2023	3
Core Course IV: Morphology & Anatomy of Angiosperms (THEORY)	Unit 5: Vascular Cambium and wood	Dendrochronology. Development and composition of periderm; General account of Rhytidome and lenticels.	MAY, 2023	3

Core Course IV: Morphology & Anatomy of Angiosperms(Pr)	Study of the secondary structures of stem of the following genera: <i>Bignonia, Dracaena</i>	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1
Core Course IV: Morphology & Anatomy of Angiosperms (Practical)	Study of the secondary structures of stem of the following genera: <i>Boerhaavia</i>	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course IV: Morphology & Anatomy of Angiosperms (Practical)	Study of the secondary structures of stem of the following genera: <i>Strychnos.</i>	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 3: Plant communities	Characters; Ecotone and edge effect; Succession; Processes and types.	MARCH, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 4: Ecosystem	Unit 4: Ecosystem Structure; energy flow trophic organisation; Food chains and food webs, Ecological pyramids production and productivity.	APRIL, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 4: Ecosystem	Biogeochemical cycling; Cycling of carbon, nitrogen and Phosphorous.	MAY, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Ecological adaptations of some species: <i>Ipomoea aquatica</i> stem	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1

Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Phyllode of <i>Acaccia auriculiformis</i> , <i>Nerium</i> leaf	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Ecological adaptations of <i>Vanda</i> root	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 8: Palaeobotany & Palynology (THEORY)	UNIT 7: Pollination	Types and contrivances.	MARCH, 2023	2
Core Course 8: Palaeobotany & Palynology (THEORY)	UNIT 7: Pollination	Types and contrivances.	APRIL, 2023	2
Core Course 8: Palaeobotany & Palynology (THEORY)	UNIT 7: Pollination	Concept of Form Genus.	MAY, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Pollination	DISCUSSION	MARCH, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Pollination	DISCUSSION	APRIL, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Pollination	DISCUSSION	MAY, 2023	1
Core Course 9 : Biomolecules and Cell Biology (THEORY)	Unit 1: BIOMOLECULES	Proteins: Structure of amino acids; Levels of protein structure- primary, secondary,	APRIL, 2023	2

		tertiary andquartemary; Biological roles of proteins in plants.		
Core Course 9 : Biomolecules and Cell Biology (THEORY)	Unit 1: BIOMOLECULES	Nucleic acids: Structure of nitrogenous bases; Structure and function of nucleotides; Types ofnucleic acids; Structure of A, B, Z types of DNA; Types of RNA; Structure of tRNA	MAY, 2023	4
Core Course 9 : Biomolecules and Cell Biology (PRACTICAL)	Study different stages of mitosis and meiosis of <i>Allium cepa</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	3
Core Course 10 : Molecular Biology (THEORY)	Unit 1: Nucleic acids: Carriers of genetic information		MARCH, 2023	2
Core Course 10 : Molecular Biology (THEORY)	Unit 1: Nucleic acids: Carriers of genetic information	Historical perspective; DNA as the carrier of genetic information (Griffith's, Hershey &Chase,	APRIL, 2023	4
Core Course 10 : Molecular Biology (THEORY)	Unit 1: Nucleic acids: Carriers of genetic information	Avery, McLeod & McCarty, Fraenkel- Conrat's experiment	MAY, 2023	2
Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Messelson and Stahl's, Avery et al, Griffith's, experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	3

Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Hershey & Chase's experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Fraenkel & Conrat's experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1
SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 2:Loss of Biodiversity	Loss of genetic diversity, Loss of species diversity	MARCH, 2023	2
SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 2:Loss of Biodiversity	Loss of ecosystemdiversity, Loss of agrobiodiversity, Projected scenario for biodiversity loss	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 7: Nitrogen metabolism	Biological nitrogen fixation; Nitrate and ammonia assimilation	MARCH, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 7: Nitrogen metabolism	Biological nitrogen fixation; Nitrate and ammonia assimilation	APRIL, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 7: Nitrogen metabolism	Biological nitrogen fixation; Nitrate and ammonia assimilation	MAY, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (PRACTICAL)	Demonstration of Hill reaction	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1
SEC 2 (1) Medicinal Botany (THEORY)	Unit 1: Introduction	History, Scope and Importance of Medicinal Plants. Indigenous Medicinal Sciences.	MARCH, 2023	2
SEC 2 (1) Medicinal Botany (THEORY)	Unit 1: Introduction	Definition and Scope- Ayurveda: History, origin, panchamahabhutas, saptadhatu and tridosha.	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 10: Inbreeding depression and heterosis	History, genetic basis of inbreeding depression and heterosis; Applications.	FEBRUARY, 2023	5
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 10: Inbreeding depression and heterosis	Heterosis and its applications.	MARCH, 2023	5
Core Course 13 : Genetics & Plant Breeding (PRACTICAL)	Photographs/Pe rmanent Slides showing Heterosis and its applications	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	1
Core Course 14: Plant Biotechnology (THEORY)	Unit 4: Methods of gene transfer	Selectable marker and reporter genes (Luciferase, GUS, GFP).	FEBRUARY, 2023	3
Core Course 14: Plant Biotechnology (THEORY)	Unit 4: Methods of gene transfer	Agrobacterium-mediated, Direct gene transfer	MARCH, 2023	3

Core Course 14: Plant Biotechnology (THEORY)	Unit 4: Methods of gene transfer	Microinjection, Microprojectile bombardment; Selection of transgenics- selectable marker	APRIL, 2023	3
Core Course 14: Plant Biotechnology (THEORY)	Unit 4: Methods of gene transfer	Electroporation	MAY, 2023	3
Core Course 14: Plant Biotechnology (PRACTICAL)	Preparation of MS medium.	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	1
Core Course 14: Plant Biotechnology (PRACTICAL)	Demonstration of <i>in vitro</i> sterilization and inoculation methods using leaf and nodal explants of tobacco. <i>Datura</i> , <i>Brassica</i> etc.	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 1:Evolutionary theories	Earliest forms of plant life	FEBRUARY, 2023	3
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 1:Evolutionary theories	Earliest environment; formation of first cell	MARCH, 2023	3
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 1:Evolutionary theories	prokaryotes; evolution of eukaryotes.	APRIL, 2023	3

DSE – 3: (2) Plant Evolution and Biodiversity (PRACTICAL)	Study of vegetative and reproductive structure of aquatic plants (<i>Nostoc</i> , <i>Chlamydomonas</i> ,	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	3
DSE – 3: (2) Plant Evolution and Biodiversity (PRACTICAL)	Study of <i>Oedogonium</i> , <i>Vaucheria</i> , <i>Polysiphonici</i>)	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	2
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 6: Microbial flora of water.	Water pollution, role of microbes in sewage and domestic waste water treatment systems. Determination of BOD, COD, TDS and TOC of water samples; Microorganisms as indicators of water quality, check coliform and fecal coliform in water samples.	FEBRUARY, 2023	2
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 6: Microbial flora of water.	Determination of BOD, COD	MARCH, 2023	4
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 6: Microbial flora of water.	Determination of TDS and TOC of water samples	APRIL, 2023	1
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 6: Microbial flora of water.	Microorganisms as indicators of water quality, check coliform and fecal coliform in water samples.	MAY, 2023	1
DSE 4: (2) Industrial and Environmental Microbiology (PRACTICAL)	Assessment of microbiological quality of water- protocol	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: BRIJ KUMAR TIWARY				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (THEORY)	Unit 8: Genetic material	DNA: Miescher to Watson and Crick- historic perspective, Griffith’s and Avery’s transformation experiments, Hershey- Chase bacteriophage experiment, DNA structure, types of DNA, types of genetic material.	FEBRUARY, 2023	3
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (THEORY)	Unit 8: Genetic material	DNA replication prokaryotes and e karyotes : bidirectional replication, semi– conservative, semi discontinuous A priming, θ theta mode of replication, replication of linear, ds- A, replicating the end of linear chromosome	MARCH, 2023	3

		including replication enzymes.		
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (PRACTICAL)	Study of mitosis and meiosis (temporary mounts and permanent slides).	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	2
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 4:	Food Preparation: Types of foods prepared from mushroom.	FEBRUARY, 2023	1
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 4:	.Research Centres - National level and Regional level. Cost benefit ratio	MARCH, 2023	1
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 4:	Marketing in India and abroad, Export Value	APRIL, 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY (Honours)				
NAME OF THE TEACHER: Dr. Gautam Ganguly				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course II: Archegoniate	Unit 4: Pteridophytes	General characteristics Classification (Pichi Sermolli, 1977 upto order)	August	2
Core Course II: Archegoniate	Unit 4: Pteridophytes	early land plants (<i>Cooksonia</i> and <i>Rhynia</i>).	September	1
Core Course II: Archegoniate	Unit 5: Type Studies Pteridophytes	Morphology, anatomy and reproduction of <i>Lycopodium</i> ,	September	1
Core Course II: Archegoniate	Unit 5: Type Studies-Pteridophytes	<i>Selaginella</i> , <i>Equisetum</i> ,	September	2
Core Course II: Archegoniate	Unit 5: Type Studies-Pteridophytes	<i>Pteris</i> and <i>Marsilea</i>	September	2
Core Course II: Archegoniate	Unit 5: Type Studies-Pteridophytes	Apogamy, and apospory, heterospory and seed habit	November	2
Core Course II: Archegoniate	Unit 5: Type Studies-Pteridophytes	Telome theory, stelar evolution	December	2
Core Course II: Archegoniate	Unit 5: Type Studies-Pteridophytes	Ecological and economic importance	January	1
Core Course II: Archegoniate	Practical: Archegoniate	<i>Lycopodium</i> - Morphology, whole mount of leaf, transverse section of stem (temporary slide), longitudinal section of strobilus (from permanent slide).	August	1
Core Course II: Archegoniate	Practical: Archegoniate	<i>Selaginella</i> - Morphology, whole mount of leaf with ligule, transverse section of stem, whole mount of strobilus, whole mount of microsporophyll and megasporophyll (temporary slides), longitudinal section of strobilus (from permanent slide).	September	1
Core Course II: Archegoniate	Practical: Archegoniate	<i>Equisetum</i> - Morphology, transverse section of intemode, longitudinal section of strobilus, transverse section of strobilus, whole mount of sporangiophore, whole mount of spores (temporary slide), transverse section of rhizome (from permanent slide).	November	1

Core Course II: Archegoniate	Practical: Archegoniate	<i>Pteris</i> - Morphology, transverse section of rachis, vertical section of sporophyll, whole mount of sporangium, whole mount of spores (temporary slides), transverse section of rhizome, whole mount of prothallus with sex organs and young sporophyte (from permanent slide).	December	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY (Honours)				
NAME OF THE TEACHER: Dr. Gautam Ganguly				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 6 : Plant Systematics	Unit 4: Systems of classification	Major contributions of Theophrastus, Bauhin, Toumefort, Linnaeus, Adanson, de Candolle, Bessey, Hutchinson, Takhtajan and Cronquist;	August	2
Core Course 6 : Plant Systematics	Unit 4: Systems of classification	Classification systems of Bentham and Hooker [1862-83 (upto series)]	August	2
Core Course 6 : Plant Systematics	Unit 4: Systems of classification	Takhtajan (1997);.	August	1
Core Course 6 : Plant Systematics	Unit 4: Systems of classification	Brief idea of APG System	August	1
Core Course 6 : Plant Systematics	Unit 5: Biometrics, numerical taxonomy and cladistics	Characters; Variations; OTUs, character weighting and coding; Cluster analysis; Phenograms, cladograms (definitions and differences).	September	3
Core Course 6 : Plant Systematics	Unit 6: Phylogeny of Angiosperms	Terms and concepts (primitive and advanced, homology and analogy, parallelism and convergence, monophyly, Paraphyly, polyphyly and clades).	September	3
Core Course 6 : Plant Systematics	Unit 6: Phylogeny of Angiosperms	Origin and evolution of angiosperms; Methods of illustrating evolutionary relationship (phylogenetic tree, cladogram).	November	2
Core Course 6 : Plant Systematics	Practical: Plant Systematics Dicotyledons	Malvaceae, Fabaceae, Euphorbiaceae, Apocynaceae, Asclepiadaceae,	September	3

Core Course 6 : Plant Systematics	Practical: Plant Systematics Dicotyledons	Solanaceae, Scrophulariaceae, Lamiaceae,	November	2
Core Course 6 : Plant Systematics	Practical: Plant Systematics Dicotyledons	Verbenaceae, Acanthaceae, Rubiaceae, Asteraceae.	December	2
Core Course 6 : Plant Systematics	Practical: Plant Systematics Monocotyledons	Liliaceae, Poaceae	December	1
Skill Enhancement Course: 1 Mushroom Culture Technology	Unit 3: Storage and nutrition	Short-term storage (Refrigeration - upto 24 hours) Long Term Storage (canning, pickels, papads), drying, storage in salt solutions. Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins.	December	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY (Honours)				
NAME OF THE TEACHER: Dr. Gautam Ganguly				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ /GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Discipline Specific Elective DSE 1	Unit 4: Pollination and fertilization	Pollination types and significance; adaptations; structure of stigma and style; path of pollen tube in pistil; double fertilization.	August	3
Discipline Specific Elective DSE 1	Unit 5: Self incompatibility	Basic concepts; Methods to overcome self- incompatibility: mixed pollination, bud pollination, Intra-ovarian and <i>in vitro</i> pollination; modification of stigma surface, Cybrids, <i>in vitro</i> fertilization.	September	4
Discipline Specific Elective DSE 1	Unit 6: Embryo, Endosperm and Seed	Structure and types; General pattern of development of dicot and monocot embryo and endosperm; Suspensor: structure and functions; Embryo- endosperm relationship; Nutrition of embryo; Seed structure and importance.	November	3
Discipline Specific Elective DSE 1	Practical: DSE-1	Pollen grains: Fresh and acetolyzed showing ornamentation and aperture, psuedomonads, polyads, pollinia (slides/photographs), Pollen viability: Tetrazolium test. Germination: Calculation of percentage germination in different media using hanging drop method.	September	2
DSE: 2 Natural Resource Management	Practical: DSE-2	Measurement of dominance of woody species by DBH (diameter at breast height) method.	November	2
DSE: 2 Natural Resource Management	Practical: DSE-2	Calculation and analysis of ecological footprint.	November	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY (Honours)				
NAME OF THE TEACHER: Dr. Gautam Ganguly				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
SESSION: 2022-2023			COURSE TYPE: HONOURS/ ~~GENERAL~~ /GENERIC	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course IV: Morphology & Anatomy of Angiosperms	Unit 3: Tissues	Classification of tissues; Simple and complex tissues (no phylogeny); cyto-differentiation of tracheary elements and sieve elements;	March	3
Core Course IV: Morphology & Anatomy of Angiosperms	Unit 3: Tissues	Cell wall and it’s secondary growth; Pits and plasmodesmata; Ergastic substances. Hydathodes, cavities, lithocysts and laticifers.	April	4
Core Course IV: Morphology & Anatomy of Angiosperms	Practical Core Course IV:	Study of the secondary structures of stem of the following genera: <i>Bignonia</i> , <i>Dracaena</i> (<i>Cordyline</i>), <i>Boerhaavia</i> and <i>Strychnos</i> .	April	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
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ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 8: Palaeobotany & Palynology	Unit: 3	Introductory idea of correlation and stratigraphy; stratigraphic deductions based on plant fossils.	March	2
Core Course 8: Palaeobotany & Palynology	Practical: CC 8: Palynology	Pollen morphological studies of <i>Impatiens</i> and <i>Hibiscus</i> pollens form prepared slides	April	1
Core Course 9 : Biomolecules and Cell Biology	Unit 1: Biomolecules	Carbohydrates: Disaccharides; oligosaccharides and polysaccharides.	April	1
Core Course 9 : Biomolecules and Cell Biology	Unit 1: Biomolecules	Lipids: Definition and major classes of storage and structural lipids; Fatty acids structure And functions; Essential fatty acids; Triacyl glycerols structure, functions and properties; Phosphoglycerides.	April	3
Core Course 9 : Biomolecules and Cell Biology	Practical: CC 9: Biomolecules and Cell Biology	Study different stages of mitosis and meiosis of <i>Allium cepa</i> .	April	2
Core Course 10 : Molecular Biology	Unit 2. The Structures of DNA and RNA / Genetic Material	DNA Structure: Miescher to Watson and Crick- historic perspective, DNA structure, Salient features of double helix,	February	2
Core Course 10 : Molecular Biology	Unit 2. The Structures of DNA and RNA / Genetic Material	Types of DNA, Types of genetic material, denaturation and renaturation, cot curves; Organization of DNA- Prokaryotes, Viruses, Eukaryotes.	February	3
Core Course 10 : Molecular Biology	Unit 2. The Structures of DNA and RNA / Genetic Material	RNA Structure, Organelle DNA - mitochondria and chloroplast DNA.	March	2
Core Course 10 : Molecular Biology	Unit 2. The Structures of DNA and RNA / Genetic Material	The Nucleosome Chromatin structure- Euchromatin, Heterochromatin- Constitutive and Facultative heterochromatin.	March	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY (Honours)				
NAME OF THE TEACHER: Dr. Gautam Ganguly				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 13 : Genetics & Plant Breeding	Unit 6: Fine structure of gene	Classical vs molecular concepts of gene;	February	2
Core Course 13 : Genetics & Plant Breeding	Unit 7. Population and Evolutionary Genetics	Allele frequencies, Genotype frequencies, Hardy-Weinberg Law,	March	2
Core Course 13 : Genetics & Plant Breeding	Unit 7. Population and Evolutionary Genetics	Role of natural selection, mutation, genetic drift. Genetic variation and Speciation	April	2
Core Course 13 : Genetics & Plant Breeding	Practical: CC 13	Meiosis through temporary squash preparation, <i>Allium cepa</i> .	March	2
Core Course 14: Plant Biotechnology	Unit 5: Applications of Biotechnology	Pest resistant (Bt-cotton); herbicide resistant plants (Round Up Ready soybean); Transgenic crops with improved quality traits (Golden rice);	February	4
Core Course 14: Plant Biotechnology	Unit 5: Applications of Biotechnology	Improved horticultural varieties (Moondust carnations); Role of transgenics in bioremediation (Superbug); edible vaccines;	March	4
Core Course 14: Plant Biotechnology	Unit 5: Applications of Biotechnology	Industrial enzymes (Aspergillase, Protease, Lipase); Genetically Engineered Products-Human Growth Hormone; Humulin;	April	4
Core Course 14: Plant Biotechnology	Unit 5: Applications of Biotechnology	Bio-safety concerns.	May	2
	Practical: CC 14	Preparation of MS medium	May	2
DSE 4: Industrial and Environmental Microbiology	Unit 1:	Scope of microbes in industry and environment	June	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course I: Microbiology and Phycology (THEORY)	Unit 4: Algae	General characteristics; range of thallus organization; Cell structure and components; cell wall, pigment system, reserve food (of only groups represented in the syllabus), flagella; methods of reproduction, Classification; criteria, general concept of endosymbiosis,	SEPTEMBER, 2022	4
		System of Fritsch' 1935 (only upto class), and evolutionary classification of Lee' 2008 (only upto groups); Significant contributions of important phycologists (F.E. Fritsch & M.O.P. Iyengar); Role of algae in the environment, agriculture, biotechnology and industry	NOVEMBER, 2022	2

Core Course I: Microbiology and Phycology (THEORY)	Unit 6: Chlorophyta and Charophyta	General characteristics; Occurrence; Cell structure. Life-cycles of Volvox, Zygnema, Oedogonium, Coleochaete and Chara.	JANUARY, 2023	7
Core Course I: Microbiology and Phycology (PRACTICAL)	1. Study and Camera Lucida drawings of vegetative and reproductive structures	<i>Nostoc & Scytonema</i>	SEPTEMBER, 2022	2
Core Course I: Microbiology and Phycology (PRACTICAL)	1. Study and Camera Lucida drawings of vegetative and reproductive structures	<i>Zygnema & Oedogonium</i>	DECEMBER, 2022	2
Core Course I: Microbiology and Phycology (PRACTICAL)	1. Study and Camera Lucida drawings of vegetative and reproductive structures	<i>Chara & Vaucheria</i>	JANUARY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 2: Algae	General characteristics; Ecology and distribution; Range of thallus organization and reproduction	SEPTEMBER, 2022	2
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 2: Algae	Classification of algae; Morphology and life-cycles of the following: <i>Chlamydomonas</i> and <i>Oedogonium</i>	DECEMBER, 2022	3
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 2: Algae	Morphology and life-cycles of the following: <i>Chara</i> , <i>Fucus</i> and <i>Polysiphonia</i> . Economic importance of algae	JANUARY, 2023	3
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	1. Mounting, description, drawing, labeling and identification of the following genera:	a. Algae: <i>Nostoc</i>	SEPTEMBER, 2022	1

Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	1. Mounting, description, drawing, labeling and identification of the following genera: .	a. Algae: <i>Oedogonium</i> & <i>Chara</i>	DECEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 7 : Economic Botany (THEORY)	Unit 1: Origin of Cultivated Plants	Concept of Centres of Origin, their importance with reference to Vavilov’s work.	JULY, 2022	2
Core Course 7 : Economic Botany (THEORY)	Unit 1: Origin of Cultivated Plants	Examples of major plant introductions; Crop domestication and loss of genetic diversity; evolution of new crops/varieties, importance of germplasm diversity	AUGUST, 2022	4
Core Course 7 : Economic Botany (THEORY)	Unit 2: Cereals & Unit 3: Legumes	Wheat and Rice (origin, morphology, processing & uses); Brief account of millets. Origin, morphology and uses of Chick pea, Pigeon pea	SEPTEMBER, 2022	6
Core Course 7 : Economic Botany (THEORY)	Unit 3: Legumes	Origin, morphology and uses of fodder legumes. Importance to man and ecosystem.	NOVEMBER, 2022	2
Core Course 7 : Economic Botany (THEORY)	Unit 4: Sources of sugars and starches	Morphology and processing of sugarcane, products and by-products of sugarcane industry. Potato -	DECEMBER, 2022	4

		morphology, propagation & uses.		
Core Course 7 : Economic Botany (PRACTICAL)	Cereals & Legumes	Rice(habit sketch, study of paddy and grain, starch grains, micro-chemical tests). Soybean, Groundnut, (habit, fruit, seed structure, micro-chemical tests)	AUGUST, 2022	3
Core Course 7 : Economic Botany (PRACTICAL)	Sources of sugars and starches	Sugarcane (habit sketch; cane juice- micro-chemical tests),Potato(habit sketch, tuber morphology, T.S. tuber to show localization of starch grains, w.m. starch grains, micro-chemical tests).	SEPTEMBER, 2022	3
Core Course 7 : Economic Botany (PRACTICAL)	Spices & Woods	Black pepper, Fennel and Clove (Macromorphology). <i>Tectona</i> , <i>Pinus</i> : Specimen, Section of young stem.	DECEMBER, 2022	2
SEC-1 : Mushroom Culture Technology (THEORY)	Unit 2	Cultivation Technology : Infrastructure: substrates (locally available) Polythene bag,vessels, Inoculation hook, inoculation loop,	AUGUST, 2022	2
SEC-1 : Mushroom Culture Technology (THEORY)	Unit 2	Low cost stove, sieves, culture rack, mushroom unit (Thatched house) water sprayer, tray, small polythene bag.	SEPTEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 1: Meristematic and permanent tissues	Root and shoot apical meristems	AUGUST, 2022	3
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 1: Meristematic and permanent tissues	Simple and complex tissues	SEPTEMBER, 2022	3
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 3: Secondary Growth	Vascular cambium – structure and function	NOVEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 3: Secondary Growth	Seasonal activity. Secondary growth in root and stem, Wood (heartwood and sapwood)	DECEMBER, 2022	3
Core Course (CC- 1C): Plant Anatomy and Embryology (PRACTICAL)	Study of meristems through permanent slides and photographs	DRAWING AND LABELLING	AUGUST, 2022	1
Core Course (CC- 1C): Plant Anatomy and Embryology (PRACTICAL	Stem: Monocot: Zea mays; Dicot: Helianthus	DISSECTION, DRAWING AND LABELLING	SEPTEMBER, 2022	2

SEC 1 (2) Herbal Technology (THEORY)	Unit 3: Phytochemistry	Active principles and methods of their testing - identification and utilization of the medicinal herbs; <i>Catharanthus roseus</i> (cardiotonic)	AUGUST, 2022	2
SEC 1 (2) Herbal Technology (THEORY)	Unit 3: Phytochemistry	Active principles and methods of their testing - identification and utilization of the medicinal herbs <i>Withania somnifera</i> (drugs acting on nervous system) and <i>Centella asiatica</i> (memory booster).	SEPTEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 11 : Plant Physiology (PRACTICAL)	Calculation of stomatal index and stomatal frequency from the two surfaces of leaves of a mesophyte and xerophyte.	PRINCIPLE, PROCEDURE AND DISCUSSION	AUGUST, 2022	1
Core Course 12 : Plant Metabolism (THEORY)	Unit 4: Carbon Oxidation	Glycolysis, fate of pyruvate, regulation of glycolysis, oxidative pentose phosphate pathway. oxidative decarboxylation of pyruvate. Regulation of PDH, NADH shuttle; TCA cycle, amphibolic role, anaplerotic reactions, regulation of the cycle, Mitochondrial electron transport, oxidative phosphorylation, cyanide-resistant respiration, factors affecting respiration.	AUGUST, 2022	8

Core Course 12 : Plant Metabolism (THEORY)	Unit 5: ATP-Synthesis	Mechanism of ATP synthesis, substrate level phosphorylation, chemiosmotic mechanism (oxidative and photophosphorylation), ATP synthase,	SEPTEMBER, 2022	6
Core Course 12 : Plant Metabolism (THEORY)	Unit 5: ATP-Synthesis	Boyers conformational model, Racker's experiment, Jagendorf s experiment; role of uncouplers	NOVEMBER, 2022	2
Core Course 12 : Plant Metabolism (PRACTICAL)	To demonstrate activity of Nitrate reductase in germinating leaves of different plant sources.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Pollination and fertilization	Pollination types and significance; adaptations; structure of stigma and style;.	AUGUST, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Pollination and fertilization	Path of pollen tube in pistil; double fertilization	SEPTEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	4. Female gametophyte through permanent slides/ photographs: Types, ultrastructure of mature egg apparatus.	DRAWING AND LABELLING	SEPTEMBER, 2022	1
DSE 2 (3) Natural Resource Management (THEORY)	Unit 6: Forests	Definition, Cover and its significance (with special reference to India).	AUGUST, 2022	1

DSE 2 (3) Natural Resource Management (THEORY)	Unit 6: Forests	Major and minor forestproducts; Depletion; Management.	SEPTEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 1: Origin of Cultivated Plants	Concept of centres of origin, their importance with reference to Vavilov’s work	AUGUST, 2022	2
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 2: Cereals	Wheat -Origin, morphology, uses	AUGUST, 2022	1
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 3: Legumes	General account with special reference to Gram and soybean	SEPTEMBER, 2022	2
DSE 1A: Economic Botany and Biotechnology (PRACTICAL)	1.Study of economically important plants: through specimens and sections.	Wheat, Gram, Black pepper	AUGUST, 2022	2
DSE 1A: Economic Botany and Biotechnology (PRACTICAL)	1.Study of economically important plants: through specimens and sections.	Clove, Groundnut	SEPTEMBER, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2: Loss of Biodiversity	Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity.	AUGUST, 2022	2

SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2: Loss of Biodiversity	Loss of agrobiodiversity, Projected scenario for biodiversity loss	SEPTEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course IV: Morphology & Anatomy of Angiosperms (THEORY)	Unit 4: Apical meristems	Evolution of concept of organization of shoot apex (Apical cell theory, Histogen theory, Tunica Coipus theory, continuing meristematic residue, cytohistological zonation)	MARCH, 2023	4
Core Course IV: Morphology & Anatomy of Angiosperms (THEORY)	Unit 4: Apical meristems	Types of vascular bundles; Structural differences of dicot and monocot stem, root & leaf, Kranz anatomy.	APRIL, 2023	3
Core Course IV: Morphology & Anatomy of Angiosperms (THEORY)	Unit 4: Apical meristems	Organization of root apex (Apical cell theory, Histogen theory, Korper- Kappe theory); Quiescent centre; Endodermis, exodermis and origin of lateral root	MAY, 2023	5
Core Course IV: Morphology & Anatomy of Angiosperms (PRACTICAL)	2. Study of the secondary structures of stem of the following genera: Bignonia, Dracaena (Cordyline)	SECTION, DRAWING AND LABELLING	MARCH, 2023	2
Core Course IV: Morphology & Anatomy of Angiosperms (PRACTICAL	5. Epidermal system: cell types, stomata types; trichomes: non-glandular and glandular, lenticels	DRAWING AND LABELLING	APRIL, 2023	2

Core Course IV: Morphology & Anatomy of Angiosperms (PRACTICAL)	10. Types of inflorescence	DRAWING AND LABELLING	MAY, 2023	1

CHANDERNAGORE COLLEGE				
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NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 5: Phytogeography	Principle biogeographical zones; Endemism	MARCH, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 12: Biometrics, numerical taxonomy and cladistics	Characters; variations; OTUs, character weighting and coding.	APRIL, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 12: Biometrics, numerical taxonomy and cladistics	Cluster analysis; phenograms, cladograms (definitions and differences).	MAY, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	3. Ecological adaptations of some species: Ipomoea aquatica stem, Phyllode of Acaccia auriculiformis	SECTION, DRAWING AND LABELLING	MARCH, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 4: Age of the Earth	Age of the earth, Geologic Time Scale.	MARCH, 2023	3
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 4: Age of the Earth	Major events of plant life through geologic time.	APRIL, 2023	3
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Study (including mode of preservation) of the following: <i>Lepidodendron</i> , (stem in T. S.).	DISCUSSION	MARCH, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Study (including mode of preservation) of the following: <i>Calamites</i> (stem in T. S.)	DISCUSSION	APRIL, 2023	1
Core Course 9: Biomolecules and Cell Biology (THEORY)	Unit 6: Cell Organelles	Nucleus: Structure- nuclear envelope, nuclear pore complex,	MARCH, 2023	2
Core Course 9: Biomolecules and Cell Biology (THEORY)	Unit 6: Cell Organelles	Nuclear lamina, molecular organization of chromatin; nucleolus.	APRIL, 2023	2

Core Course 9: Biomolecules and Cell Biology (THEORY)	Unit 6: Cell Organelles	Endomembrane system: Endoplasmic Reticulum - Structure, targeting and insertion of proteins in the ER, protein folding, processing; Smooth ER and lipid synthesis, export of proteins and lipids	MAY, 2023	4
Core Course 9: Biomolecules and Cell Biology (THEORY)	Unit 6: Cell Organelles	Golgi Apparatus - organization, protein glycosylation, protein sorting and export from Golgi Apparatus; Lysosomes	JUNE, 2023	3
Core Course 9 : Biomolecules and Cell Biology (PRACTICAL)	Measurement of cell size by the technique of micrometry.	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course 9 : Biomolecules and Cell Biology (PRACTICAL)	Study different stages of mitosis and meiosis of <i>Allium cepa</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	3
Core Course 10 : Molecular Biology (THEORY)	Unit 4: Transcription	Transcription in prokaryotes and eukaryotes. Principles of transcriptional regulation;	APRIL, 2023	2
Core Course 10 : Molecular Biology (THEORY)	Unit 4: Transcription	Prokaryotes: Regulation of lactose metabolism and tryptophan synthesis in E.coli. Eukaryotes: transcription factors, heat shock proteins, steroids and peptide hormones; Gene silencing.	MAY, 2023	6
Core Course 10 : Molecular Biology (PRACTICAL)	Study of structures of prokaryotic RNA polymerase and eukaryotic RNA polymerase II through	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1

	photographs.			
Core Course 10 : Molecular Biology (PRACTICAL)	Study of the following through photographs: Assembly of Spliceosome machinery; Splicing mechanism in group I & group II introns; Ribozyme and Alternative splicing	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1
SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 2: Loss of Biodiversity	Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity,	MARCH, 2023	2
SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 2: Loss of Biodiversity	Loss of agrobiodiversity, Projected scenario for biodiversity loss	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 3: Translocation in phloem	Composition of phloem sap, girdling experiment.	MARCH, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 3: Translocation in phloem	Pressure flow model; Phloem loading and unloading	APRIL, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (PRACTICAL)	Calculation of stomatal index and stomatal frequency of a mesophyte and a xerophyte	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
SEC 2 (1) Medicinal Botany (THEORY)	Unit 2: Conservation	Ethnomedicinal plant Gardens. Propagation of Medicinal Plants: Objectives of the nursery, its classification	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 1: Mendelian genetics and its extension	Mendelism: History; Principles of inheritance; Chromosome theory of inheritance; Autosomes and sex chromosomes	FEBRUARY, 2023	3
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 1: Mendelian genetics and its extension	Probability and pedigree analysis; Incomplete dominance and codominance; Multiple alleles, Lethal alleles, Epistasis, Pleiotropy, Recessive and Dominant traits, Penetrance and Expressivity, Numericals; Polygenic inheritance.	MARCH, 2023	6
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 3: Linkage, crossing over and chromosome mapping	Linkage and crossing over- Cytological basis of crossing over; Recombination frequency, two factor and three factor crosses	APRIL, 2023	2
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 3: Linkage, crossing over and chromosome mapping	Interference and coincidence; Numericals based on gene mapping; Sex Linkage	MAY, 2023	3
Core Course 13 : Genetics & Plant Breeding (PRACTICAL)	Mendel's laws through seed ratios. Laboratory exercises in probability and	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	1

	chi-squarBridge.			
Core Course 13 : Genetics & Plant Breeding (PRACTICAL)	Chromosome mapping using point test cross data	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	2
Core Course 13 : Genetics & Plant Breeding (PRACTICAL)	Pedigree analysis for dominant and recessive autosomal and sex linked traits	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	2
Core Course 13 : Genetics & Plant Breeding (PRACTICAL)	Incomplete dominance and gene interaction through seed ratios (9:7, 9:6:1, 13:3, 15:1, 12:3:1, 9:3:4)	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	3
Core Course 14: Plant Biotechnology (THEORY)	Unit 1: Plant Tissue Culture	Historical perspective; Composition of media; Nutrient and hormone requirements (role of vitamins and hormones); Totipotency; Organogenesis; Embryogenesis (somatic and zygotic); Protoplast isolation, culture and fusion	FEBRUARY, 2023	3
Core Course 14: Plant Biotechnology (THEORY)	Unit 1: Plant Tissue Culture	Tissue culture applications (micropropagation, androgenesis, virus elimination, secondary metabolite production, haploids, triploids and hybrids; Cryopreservation; Germplasm Conservation)	MARCH, 2023	2
Core Course 14: Plant Biotechnology (PRACTICAL)	Isolation of protoplasts- Protocol.	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1
Core Course 14: Plant Biotechnology (PRACTICAL)	somatic embryogenesis & artificial seeds through photographs,	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1

	through photographs.			
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 2: Evolutionary trends:	Green algae to land plants; non-vascular to vascular plants	FEBRUARY, 2023	2
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 2: Evolutionary trends:	Gymnosperm to angiosperms	MARCH, 2023	1
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 2: Evolutionary trends:	Evolution of plants using C4 and CAM photosynthetic pathway	APRIL, 2023	2
DSE – 3: (2) Plant Evolution and Biodiversity (PRACTICAL)	Morphological and anatomical study of plants of arid habitat (<i>Nerium</i> and <i>Pinus</i>)	SECTION, PROCEDURE AND DISCUSSION	MARCH, 2023	2
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 5: : Microbes and quality of environment	Distribution of microbes in air; Isolation of microorganisms from soil, air and water	APRIL, 2023	2
DSE 4: (2) Industrial and Environmental Microbiology (PRACTICAL)	Hands on sterilization techniques and preparation of culture media.	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	3

CHANDERNAGORE COLLEGE				
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SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. CHIRANJIT MUKHERJEE				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (THEORY)	Unit 9: Transcription (Prokaryotes and Eukaryotes)	Types of structures of RNA (mRNA, tRNA, rRNA), RNA polymerase- various types	FEBRUARY, 2023	2
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (THEORY)	Unit 9: Transcription (Prokaryotes and Eukaryotes)	Translation (Prokaryotes and eukaryotes), genetic code	MARCH, 2023	2
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (PRACTICAL)	Study of mitosis and meiosis (temporary mounts and permanent slides).	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	2
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 2: Cultivation Technology	Infrastructure: substrates (locally available) Polythene bag,vessels, Inoculation hook, inoculation loop, low cost stove, sieves.	MARCH, 2023	1
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 2: Cultivation Technology	Culture rack, mushroom unit (Thatched house) water sprayer, tray, small polythene bag.	APRIL, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course I: Microbiology and Phycology (THEORY)	Unit 2: Viruses	Discovery, physiochemical and biological characteristics.	SEPTEMBER, 2022	2
Core Course I: Microbiology and Phycology (THEORY)	Unit 2: Viruses	Classification (Baltimore).	NOVEMBER, 2022	2
Core Course I: Microbiology and Phycology (THEORY)	Unit 2: Viruses	General structure with special reference to TMV, T2-Phage, viroids and prions.	DECEMBER, 2022	2

Core Course I: Microbiology and Phycology (THEORY)	Unit 2: Viruses	Lytic and lysogenic cycle.	JANUARY, 2023	2
Core Course I: Microbiology and Phycology (PRACTICAL)	1. Aseptic method a) Sterilization technique by Autoclaving, Hot air oven and surface sterilization.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
Core Course I: Microbiology and Phycology (PRACTICAL)	1. Aseptic method b) Preparation of standard bacteriological medium (Nutrient agar, Nutrient broth and glucose - peptone medium).	PRINCIPLE, PROCEDURE AND DISCUSSION	DECEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 7: Gymnosperms	General characteristics, classification. Classification (up to family).	SEPTEMBER, 2022	2
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 7: Gymnosperms	Morphology, anatomy and reproduction of Cycas and Pinus. (Developmental details not to be included).	DECEMBER, 2022	2
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 7: Gymnosperms	Economic importance.	JANUARY, 2023	2
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	2. Dissection, mounting, description, drawing, labeling and identification of the following genera: b. Gymnosperms: Cycas leaflet.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1

Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	2. Dissection, mounting, description, drawing, labeling and identification of the following genera: b. Gymnosperms: Pinus needle.	PRINCIPLE, PROCEDURE AND DISCUSSION	DECEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 6 : Plant Systematics (THEORY)	Unit 1: Significance of Plant systematics	Introduction to systematics; Plant identification, Classification, Nomenclature.	JULY, 2022	2
Core Course 6 : Plant Systematics (THEORY)	Unit 1: Significance of Plant systematics	Evidences from palynology, cytology, phytochemistry and molecular data. Field inventory; Functions of Herbarium; Important herbaria and botanical gardens of the world and India; Virtual herbarium.	AUGUST, 2022	5
Core Course 6 : Plant Systematics (THEORY)	Unit 1: Significance of Plant systematics	E-flora; Documentation: Flora, Revision, Monographs, Journals; Keys:Single access and Multi- access.	SEPTEMBER, 2022	4
Core Course 6 : Plant Systematics (THEORY)	Unit 2: Taxonomic hierarchy	Concept of taxa (family, genus, species); Categories and taxonomic hierarchy; Species concept (taxonomic, biological, evolutionary).	NOVEMBER, 2022	3

Core Course 6 : Plant Systematics (THEORY)	Unit 3: Botanical nomenclature	Principles and rules (ICN); Ranks and names; Typification, author citation, valid publication, rejection of names, principle of priority and its limitations; Names of hybrids.	DECEMBER, 2022	5
Core Course 6 : Plant Systematics (PRACTICAL)	1. Study of vegetative and floral characters from the locally available plants of the following families (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e and systematic position according to Bentham & Hooker's system of classification): Dicotyledons: Malvaceae, Fabaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	AUGUST, 2022	2
Core Course 6 : Plant Systematics (PRACTICAL)	1. Study of vegetative and floral characters from the locally available plants of the following families (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e and systematic position according to Bentham & Hooker's system of classification): Dicotyledons: Euphorbiaceae, Apocynaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	2

Core Course 6 : Plant Systematics (PRACTICAL)	1. Study of vegetative and floral characters from the locally available plants of the following families (Description, V.S. flower, section of ovary, floral diagram/s, floral formula/e and systematic position according to Bentham & Hooker's system of classification): Dicotyledons: Asclepiadaceae, Solanaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	NOVEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 5: Structural organization of flower	Structure of anther and pollen.	AUGUST, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 5: Structural organization of flower	Structure and types of ovules.	SEPTEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 5: Structural organization of flower	Types of embryo sacs.	NOVEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 5: Structural organization of flower	Organization and ultrastructure of mature embryo sac.	DECEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (PRACTICAL)	Types of ovules: anatropous, orthotropous, circumscissile, amphitropous/ campylotropous – Through Permanent Slides/Photographs	PRINCIPLE AND DISCUSSION	AUGUST, 2022	2

SEC 1 (2) Herbal Technology (THEORY)	Unit 2: Pharmacognosy	Pharmacognosy - systematic position medicinal uses of the following herbs incurring various ailments; Tulsi, Ginger and Indian Goose berry.	AUGUST, 2022	2
SEC 1 (2) Herbal Technology (THEORY)	Unit 2: Pharmacognosy	Pharmacognosy - systematic position medicinal uses of the following herbs incurring various ailments; Indian Goose berry.	SEPTEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 11 : Plant Physiology (THEORY)	Unit 6: Physiology of flowering	Photoperiodism, flowering stimulus, florigen concept, vernalization, seed dormancy.	JULY, 2022	3
Core Course 11 : Plant Physiology (THEORY)	Unit 7: Phytochrome , cryptochromes and phototropins	Discovery, chemical nature, role in photomorphogenesis, low energy responses (LER) and high irradiance responses (HIR), mode of action.	AUGUST, 2022	3
Core Course 11 : Plant Physiology (PRACTICAL)	Determination of osmotic potential of plant cell sap by plasmolytic method.	PRINCIPLE, PROCEDURE AND DISCUSSION	JULY, 2022	1
Core Course 12 : Plant Metabolism (THEORY)	Unit 8: Mechanisms of signal transduction	Receptor-ligand interactions; Second messenger concept, Calcium calmodulin, MAP kinase cascade.	SEPTEMBER, 2022	3
Core Course 12 : Plant Metabolism (PRACTICAL)	To study the effect of light intensity on the rate of photosynthesis.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1

DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 1: Introduction	History and scope.	AUGUST, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 2: Reproductive development	Induction of flowering. Flower development: genetic and molecular aspects.	SEPTEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 3: Anther and pollen biology	Anther wall: Structure and functions, microsporogenesis, callose deposition and its significance. Microgametogenesis; Pollen wall structure, NPC system; Palynology and scope (a brief account); Pollen viability, storage and Germination.	NOVEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Ovule	Structure; Types; Female gametophyte- megasporeogenesis (monosporic, bisporic and tetrasporic) and megagametogenesis(d etails of <i>Polygonum</i> type); Organization and ultrastructure of mature embryo sac.	NOVEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	Anther: Wall and its ontogeny; Tapetum (amoeboid and glandular); MMC, spore tetrads, uninucleate, bicelled and dehiscid anther stages through slides/microgr aphs, male	PRINCIPLE, PROCEDURE AND DISCUSSION	AUGUST, 2022	2

	germ unit (MGU) through photographs and schematic representation.			
DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	Pollen grains: Fresh and acetolyzed showing ornamentation and aperture, psuedomonads, polyads, pollinia (slides/photographs), Pollen viability: Tetrazolium test.germination: Calculation of percentage germination in different media using hanging drop method.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	Ovule: Types- anatropous, orthotropous, amphitropous/ campylotropous, unitegmic, bitegmic; Tenuinucellate and crassinucellate; Special structures: Endothelium, obturator, hypostase, caruncle and aril (permanent slides/photographs).	PRINCIPLE, PROCEDURE AND DISCUSSION	NOVEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 10: Recombinant DNA Technique	Enzymes in Recombinant DNA Technology.	JULY, 2022	1
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 10: Recombinant DNA Technique	Cloning vector, DNA library, PCR.	AUGUST, 2022	3
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 10: Recombinant DNA Technique	DNA Fingerprinting and application of Recombinant DNA Technique	SEPTEMBER, 2022	3
DSE 1A: Economic Botany and Biotechnology (PRACTICAL)	Unit 10: Recombinant DNA Technique	Basic Conception generation about molecular techniques: PCR, Blotting techniques.l	AUGUST, 2022	2
DSE 1A: Economic Botany and Biotechnology (PRACTICAL)	Unit 10: Recombinant DNA Technique	Basic Conception generation about molecular techniques: AGE and PAGE-Protocol.	SEPTEMBER, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 3: Conservation of Biodiversity	Conservation of genetic diversity, species diversity and ecosystem diversity.	JULY, 2022	2

SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 3: Conservation of Biodiversity	In-situ and ex-situ conservation	AUGUST, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 3: Conservation of Biodiversity	Social approaches to conservation, Biodiversity awareness programmes.	SEPTEMBER, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 3: Conservation of Biodiversity	Sustainable development.	NOVEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course III: Mycology and Phytopathology (THEORY)	Unit 8: Applied Mycology	Role of fungi in biotechnology; Application of fungi in food industry (Flavour & texture, Fermentation, Baking, Organic acids, Enzymes, Mycoproteins).	MARCH, 2023	4
Core Course III: Mycology and Phytopathology (THEORY)	Unit 8: Applied Mycology	Secondary metabolites (Pharmaceutical preparations); Agriculture (Biofertilizers).	APRIL, 2023	3
Core Course III: Mycology and Phytopathology (THEORY)	Unit 8: Applied Mycology	Mycotoxins; Biological control (Mycofungicides, Mycoherbicides, Mycoinsecticides, Myconematicides).	MAY, 2023	3
Core Course III: Mycology and Phytopathology (PRACTICAL)	1. Study of the following genera and their identification: <i>Rhizopus</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1
Core Course III: Mycology and Phytopathology (PRACTICAL)	1. Study of the following genera and their identification: <i>Talaromvces</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course III: Mycology and Phytopathology (PRACTICAL)	1. Study of the following genera and their identification: <i>Alterneria</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 6 Plant taxonomy	Identification, Classification, Nomenclature.	MARCH, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 7 Identification	Functions of Herbarium, important herbaria and botanical gardens of the world and India.	APRIL, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 7 Identification	Documentation: Flora, Keys: single access and multi-access.	MAY, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Study of vegetative and reproductive organs, description, drawing and labeling, floral diagram, floral formula and identification of the following families: Malvaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1

Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Study of vegetative and reproductive organs, description, drawing and labeling, floral diagram, floral formula and identification of the following families: Rubiaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Study of vegetative and reproductive organs, description, drawing and labeling, floral diagram, floral formula and identification of the following families: Papilionaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 2 Fossil	Definition of fossil, process of fossilization.	MARCH, 2023	2
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 2 Fossil	Types of fossils on the basis of their preservation.	APRIL, 2023	2
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 2 Fossil	Concept of Form Genus.	MAY, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Study (including mode of preservation) of the following: <i>Lepidodendron</i> , (stem in T. S.).	DISCUSSION	MARCH, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Study (including mode of preservation) of the following: <i>Calamites</i> (stem in T. S.)	DISCUSSION	APRIL, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Study (including mode of preservation) of the following: <i>Bucklandia</i> (stem, specimen)	DISCUSSION	MAY, 2023	1

Core Course 9 : Biomolecules and Cell Biology (THEORY)	Unit 7: Cell division	Phases of eukaryotic cell cycle, mitosis and meiosis.	APRIL, 2023	2
Core Course 9 : Biomolecules and Cell Biology (THEORY)	Unit 7: Cell division	Regulation of cell cycle- checkpoints, role of protein kinases.	MAY, 2023	4
Core Course 9 : Biomolecules and Cell Biology (PRACTICAL)	Study different stages of mitosis and meiosis of <i>Allium cepa</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	3
Core Course 10 : Molecular Biology (THEORY)	Unit 6: Translation	Ribosome structure and assembly, mRNA; Charging of tRNA, aminoacyl tRNA synthetases.	MARCH, 2023	2
Core Course 10 : Molecular Biology (THEORY)	Unit 6: Translation	Various steps in protein synthesis, proteins involved in initiation, elongation and termination of polypeptides.	APRIL, 2023	4
Core Course 10 : Molecular Biology (THEORY)	Unit 6: Translation	Fidelity of translation; Inhibitors of protein synthesis; Post-translational modifications of proteins.	MAY, 2023	2
Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Messelson and Stahl's, Avery et al, Griffith's, experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	3
Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Hershey & Chase's experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Fraenkel & Conrat's experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1
SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 3: Conservation of Biodiversity	Conservation of genetic diversity, species diversity and ecosystem diversity.	MARCH, 2023	2

SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 3: Conservation of Biodiversity	<i>In situ</i> and <i>ex situ</i> conservation.	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 9: Plant response to light and temperature	Photoperiodism (SDP, LDP, Day neutral plants).	MARCH, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 9: Plant response to light and temperature	Phytochrome (discovery and structure).	APRIL, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 9: Plant response to light and temperature	Red and far red light responses on photomorphogenesis; Vernalization.	MAY, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (PRACTICAL)	To study the effect of two environmental factors (light and wind) on transpiration by excised twig.	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1
SEC 2 (1) Medicinal Botany (THEORY)	Unit 2: Conservation	Red list criteria; in-situ conservation: Biosphere reserves, sacred groves, National Parks.	MARCH, 2023	2
SEC 2 (1) Medicinal Botany (THEORY)	Unit 2: Conservation	Ex-situ conservation: Botanic Gardens, Ethnomedicinal plant Gardens.	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 4: Variation in chromosome number and structure	Deletion, Duplication, Inversion, Translocation, Position effect, Euploidy and Aneuploidy	FEBRUARY, 2023	5
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 5: Gene mutations	Types of mutations; Molecular basis of Mutations; Mutagens - physical and chemical (Base analogs, deaminating, alkylating and intercalating agents); Detection of mutations: C1B method. Role of Transposons in mutation. DNA repair mechanisms.	MARCH, 2023	5
Core Course 13 : Genetics & Plant Breeding (PRACTICAL)	Photographs/Pe rmanent Slides showing Translocation Ring, Laggards and Inversion Bridge.	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	1
Core Course 14: Plant Biotechnology (THEORY)	Unit 2: Recombinant DNA technology	Restriction Endonucleases (History, Types I-IV, biological role and application).	FEBRUARY, 2023	3

Core Course 14: Plant Biotechnology (THEORY)	Unit 2: Recombinant DNA technology	Restriction Mapping (Linear and Circular).	MARCH, 2023	3
Core Course 14: Plant Biotechnology (THEORY)	Unit 2: Recombinant DNA technology	Cloning Vectors: Prokaryotic (pUC 18 and pUC19, pBR322, Ti plasmid, BAC); Lambda phage.	APRIL, 2023	3
Core Course 14: Plant Biotechnology (THEORY)	Unit 2: Recombinant DNA technology	M13 phagemid, Cosmid, Shuttle vector; Eukaryotic Vectors (YAC).	MAY, 2023	3
Core Course 14: Plant Biotechnology (PRACTICAL)	Study of steps of genetic engineering for production of Bt cotton through photographs.	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	1
Core Course 14: Plant Biotechnology (PRACTICAL)	Study of steps of genetic engineering for production of Golden rice, through photographs.	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 4: Evolutionary theories	Evolutionary theories: Natural Selection.	FEBRUARY, 2023	3
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 4: Evolutionary theories	Evolutionary theories: Group Selection.	MARCH, 2023	3
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 4: Evolutionary theories	Evolutionary theories: Neutral theory of molecular evolution.	APRIL, 2023	3
DSE – 3: (2) Plant Evolution and Biodiversity (PRACTICAL)	Leaf anatomy of <i>Suaeda</i> , <i>Avicennia</i> and <i>Hertiera</i> (Halophytes)- Photographs	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	3

DSE – 3: (2) Plant Evolution and Biodiversity (PRACTICAL)	Morphological and anatomical study of plants of arid habitat (<i>Nerium</i> and <i>Pinus</i>).	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	2
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 7: Microbes in agriculture and remediation of contaminated soils.	Biological fixation; Mycorrhizae.	FEBRUARY, 2023	2
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 7: Microbes in agriculture and remediation of contaminated soils.	Bioremediation of contaminated soils.	MARCH, 2023	4
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 7: Microbes in agriculture and remediation of contaminated soils.	Isolation of root nodulating bacteria.	APRIL, 2023	1
DSE 4: (2) Industrial and Environmental Microbiology (THEORY)	Unit 7: Microbes in agriculture and remediation of contaminated soils.	Arbuscular mycorrhizal colonization in plant roots.	MAY, 2023	1
DSE 4: (2) Industrial and Environmental Microbiology (PRACTICAL)	Hands on sterilization techniques and preparation of culture media.	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: ANUBHAB LAHA				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (THEORY)	Unit 7: Cell Cycle	Overview of Cell cycle, Mitosis and Meiosis.	FEBRUARY, 2023	3
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (THEORY)	Unit 7: Cell Cycle	Molecular controls.	MARCH, 2023	3
DSE 1B: (1) Cell Biology, Genetics and Molecular Biology (PRACTICAL)	Study of mitosis and meiosis (temporary mounts and permanent slides).	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	2
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 1	Introduction, history. Nutritional and medicinal value of edible mushrooms.	FEBRUARY, 2023	1
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 1	Poisonous mushrooms.	MARCH, 2023	1
SEC 4: (2) Mushroom Cultivation Technology (THEORY)	Unit 1	Types of edible mushrooms available in India - <i>Volvariella volvacea</i> , <i>Pleurotus</i> sp., <i>Agaricus bisporus</i> .	APRIL, 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: GOPA SHOME				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course II: Archegoniate	Unit 1: Introduction	Unifying features of archegoniates	August	1
		Transition and adaptation to land habit;	August	1
		Alternation of generations	September	2
	Unit 2: Bryophytes	General characteristics	September	1

		Classification [upto order] of Schuster (1968)	October	2
		Adaptations to land habit	November	1
		Range of thallus organization	November	2
		Morphology, anatomy, reproduction and evolutionary trends in Riccia, Marchantia, Peltia,	December	4
		Morphology, anatomy, reproduction and evolutionary trends in Anthoceros, Sphagnum and Funaria	January	5
		Ecological and economic importance of bryophytes (a brief account).	February	3
GENERIC				

Core Course CC-1A	Unit 4: Introduction to Archegoniate	Unifying features of archegoniates,	November	1
		Transition to land habit, Alternation of generations	November	1
	Unit 5: Bryophytes	General characteristics, adaptations to land habit,	November	2
		Classification	December	1
		Range of thallus organization	December	2
		morphology, anatomy and reproduction of Marchantia	December	2
		morphology, anatomy and reproduction of Funaria.	January	2
		Ecology and economic importance of bryophytes with special mention of Sphagnum.	January	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 7 : Economic Botany	Unit 8: Natural Rubber	Para-rubber: tapping,	July	1
		processing	August	1
		uses	August	1
	Unit 9: Drug-yielding plants	Therapeutic and habit-forming drugs with special reference to Cinchona	August	2
		Digitalis, Papaver	August	2

		Cannabis	September	1
		Tobacco (Morphology, processing, uses and health hazards)	September	3
	Unit 10: Timber plant	General account	November	1
		with special reference to teak and pine.	November	2
	Unit 11: Fibers	Classification based on the origin of fibers;	December	1
		Coir	December	1
		Jute (morphology, extraction and uses).	December	2
GENERIC				
Core Course (CC-1C): Plant Anatomy and Embryology	Unit 4: Adaptive and protective systems,	Epidermis, cuticle	October	2
		stomata;	November	2
		General account of adaptations in xerophytes and hydrophyt	November and December	4

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 11	Unit 4: Translocation in the phloem	Experimental evidence in support of phloem as the site of sugar translocation	July	2
		Pressure-Flow Model;	August	2
		Phloem loading and unloading	August	2
		Source-sink relationship	August	2
	Unit 5: Plant growth regulators	Discovery, chemical nature (basic structure), bioassay and physiological roles of Auxin	September	3
		Discovery, chemical nature (basic structure), bioassay and physiological roles of gibberellin	October	3
		Discovery, chemical nature (basic structure), bioassay and physiological roles of Cytokinin	November	2

		Discovery, chemical nature (basic structure), bioassay and physiological roles of Ethylene	November	2
		Discovery, chemical nature (basic structure), bioassay and physiological roles of Absciscic acid	November	2
		Brassinosteroids (Outline) and Jasmonic acid (Outline)	November	2
DSE-2 Natural Resource Management	Unit 6: Forests	Definition, Cover and its significance	July	1
		Major and minor forestproducts	August	2
		Depletion;	August	1
		Management.	August	2
	Unit 7:renewable and non-renewable sources of energy	Energy Renewable	September	3
		non-renewable sources of energy	September	3
	Unit 8:	Contemporary practices in resource management EIA,	October	2
		GIS, Participatory Resource Appraisal	October	2

		Ecological Footprint with emphasis on carbon footprint	November	2
		Resource Accounting; Waste management.	November	2
GENERIC				
DSE 1A	Unit 4: Spices and black pepper	General account with special reference to clove Botanical name, family, part used, morphology and uses	October and November	3
		General account with special reference to black pepper Botanical name, family, part used, morphology and uses	December	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

Core Course IV: Morphology & Anatomy of Angiosperms	Unit 6: Adaptive and Protective Systems	Epidermal tissue system	March	2
		cuticle, epicuticular waxes	March	2
		trichomes(uni-and multicellular, glandular and nonglandular	April	2
		stomata (classification)	April	2
	Unit 7: Leaves and Inflorescence	Leaves-types, phyllotaxy and modifications	May	2
		Inflorescence -Types and evolution	July	2
	Unit 8: Flower, Fruit and Seed	Types of flower; Aestivation, placentation - types and evolution.	July	2
		Floral formula & floral diagram; Adhesion-Cohesion of floral parts, micro and mega gameto- and sporogenesis;	July	2
		embryosac, Fruits-types, dispersal. Seed dispersal.	July	2
<u>GENERIC</u>				
Core Course (CC- 1B) : Plant Ecology and Taxonomy	Unit 2: Ecological factors	Soil: Origin, formation	April	1

		composition, soil profile	April	2
		Water: States of water in the environmen	April	1
		precipitation types. Light and temperature	May	2
		Variation Optimal and limiting factors	May	1
		Adaptation of hydrophytes, halophytes and xerophytes.	June	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 9 : Biomolecules and Cell Biology	Unit 2: Bioenergenetics	Laws of thermodynamics, concept of free energy, endergonic and exergonic reactions, coupled reactions,	March	2
		redox reactions. ATP: structure	March	1
		role of ATP as a energy currency molecule	April	1
Unit 3: Enzymes		Structure of enzyme: holoenzyme, apoenzyme, cofactors, coenzymes and prosthetic group	April	2
		Classification of enzymes; Features of active site, substrate specificity, mechanism of action (activation energy, lock and key hypothesis, induced - fit theory)	April	2
		Michaelis -Menten equation, enzyme inhibition and factors affecting enzyme activity	May	2
Skill Enhancement Course	Unit 4: Role of plants in relation to Human Welfare	Importance of forestry theirutilization and commercial aspects b) Avenue trees	July	2
		Ornamental plants of India, d) Alcoholic beverages through ages	July	2
		Fruits and nuts: Important fruit crops their commercial importance. Wood and its uses.	July	2

GENERIC				
Core Course (CC- 1D)	Unit 5: Respiration	Glycolysis, anaerobic respiration,;	March	2
		TCA cycle	March	2
		Oxidative phosphorylation, Glyoxylate pathway	April	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

Core Course 13 : Genetics & Plant Breeding	Unit 11: Crop improvement and breeding	Role of mutations; Polyploidy; Distant hybridization	February	1
		role of biotechnology in crop improvement	February	1
DSE-3 Plant Evolution and Biodiversity	Unit 1;	: Earliest forms of plant life: the earliest environment	March	3
		formation of first cell; first prokaryotes;	March	3
		evolution of eukaryotes	April	3
DSE-4 Industrial and Environmental Microbiology	Unit 4: Microbial enzymes of industrial interest and enzyme immobilization	Microorganisms for industrial applications	May	1
		hands on screening microorganisms for casein hydrolysis; starch hydrolysis; cellulose hydrolysis.	June	3
		Methods of immobilization, advantages and applications of immobilization	July	3
		large scale applications of immobilized enzymes (glucose isomerase and penicillin acylase)	July	2
GENERIC				
DSE 1B	Unit 4: Mutations and Chromosomal Aberrations	Types of mutations, effects of physical & chemical mutagens.	March	1

		Numerical chromosomal changes: Euploidy, Polyploidy and Aneuploidy	March	1
		Structural chromosomal changes: Deletions, Duplications, Inversions & Translocations.	March	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course I: Microbiology and Phycology (THEORY)	Unit 5: Cyanophyta and Xanthophyta	Ecology and occurrence; Cell structure; Reproduction, Genetic recombination (in Cyanophyta)	SEPTEMBER, 2022	3
Core Course I: Microbiology and Phycology (THEORY)	Unit 5: Cyanophyta and Xanthophyta	Morphology and life-cycle of Vaucheria	NOVEMBER, 2022	2
Core Course II: Archegoniate (THEORY)	Unit 1: Introduction	Unifying features of archegoniates	DECEMBER, 2022	2

Core Course II: Archegoniate (THEORY)	Unit 1: Introduction	Transition and adaptation to land habit; Alternation of generations	JANUARY, 2023	2
Core Course I: Microbiology and Phycology (PRACTICAL)	Identification of all the genera included in the theoretical syllabus from Permanent slides (vegetative and reproductive structures)	PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
Core Course I: Microbiology and Phycology (PRACTICAL)	1. Aseptic method b) Preparation of standard bacteriological medium (Nutrient agar, Nutrient broth and glucose - peptone medium).	PRINCIPLE, PROCEDURE AND DISCUSSION	DECEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (THEORY)	Unit 4: Introduction to Archegoniate	Unifying features of archegoniates, Transition to land habit, Alternation of generations	SEPTEMBER, 2022	2
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	2. Dissection, mounting, description, drawing, labeling and identification of the following genera: b. Gymnosperms: Cycas leaflet.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
Core Course (CC-1A) : Biodiversity (Microbes, Algae, Fungi and Archegoniate) (PRACTICAL)	2. Dissection, mounting, description, drawing, labeling and identification of the following genera: b. Gymnosperms: Pinus needle.	PRINCIPLE, PROCEDURE AND DISCUSSION	DECEMBER, 2022	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 5 : Plant Ecology and Phytogeography (THEORY)	Unit 6: Population ecology	Characteristics and Dynamics .Ecological Speciation	JULY, 2022	2
Core Course 5 : Plant Ecology and Phytogeography (THEORY)	Unit 9: Phytogeography	Principles; Continental drift; Theory of tolerance; Endemism; Characteristic features of major terrestrial biomes (one each from tropical, temperate & tundra);	AUGUST, 2022	5
Core Course 5 : Plant Ecology and Phytogeography (THEORY)	Unit 9: Phytogeography	Phytogeographical division of India [Phytogeographical classification of India (D. Chatterjee- 1962)]; Vegetation Characteristics of Eastern Himalaya and Sunderbans.	SEPTEMBER, 2022	4
Core Course 7 : Economic Botany (THEORY)	Unit 5: Spices	Listing of important spices, their family and part used. Economic importance with special reference to fennel, saffron, clove and black pepper	NOVEMBER, 2022	3

Core Course 7 : Economic Botany (THEORY)	Unit 6 & 7: Beverages & Sources of oils and fats	Tea, Coffee (morphology, processing & uses) General description, classification, extraction, their uses and health implications groundnut, coconut, linseed, soybean, mustard and coconut (Botanical name, family & uses). Essential Oils: General account, extraction methods, comparison with fatty oils & their uses	DECEMBER, 2022	6
Core Course 7 : Economic Botany (PRACTICAL)	Beverages	Tea (plant specimen, tea leaves), Coffee (plant specimen, beans)	AUGUST, 2022	3
Core Course 7 : Economic Botany (PRACTICAL)	Sources of oils and fats	Coconut- T.S. nut (photograph), Mustard- plant specimen, seeds; tests for fats in crushed seeds	SEPTEMBER, 2022	3
Core Course 7 : Economic Botany (PRACTICAL)	Essential oil-yielding plants	Habit sketch of Rosa and Eucalyptus- specimens/photographs	DECEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 7: Embryo and endosperm	Endosperm types, structure and functions; Dicot and monocot embryo	AUGUST, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 7: Embryo and endosperm	Embryo-endosperm relationship.	SEPTEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (THEORY)	Unit 8: Apomixis and polyembryony	Definition, types and practical applications	NOVEMBER, 2022	2
Core Course (CC- 1C): Plant Anatomy and Embryology (PRACTICAL)	Types of ovules: anatropous, orthotropous, circinotropous, amphitropous/ campylotropous – Through Permanent Slides/Photographs	PRINCIPLE AND DISCUSSION	AUGUST, 2022	2
SEC 1 (2) Herbal Technology (THEORY)	Unit 4: Analytical pharmacognosy	Drug adulteration - types, methods of drug evaluation - Biological testing of herbal drugs -	AUGUST, 2022	2

		Phytochemical screening tests for secondary metabolites(alkaloids, flavonoids, steroids, triterpenoids, phenolic compounds)		
SEC 1 (2) Herbal Technology (THEORY)	Unit 5:	Medicinal plant banks micro propagation of important species (neem and tulsi- Herbal foods-future of pharmacognosy)	SEPTEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 12 : Plant Metabolism (THEORY)	Unit 1: Concept of metabolism	Introduction, anabolic and catabolic pathways, regulation of metabolism, role of regulatory enzymes (allosteric, covalent modulation and Isozymes)	AUGUST, 2022	4
Core Course 12 : Plant Metabolism (THEORY)	Unit 2: Carbon assimilation	Discovery, chemical nature, role in photomorphogenesis, low energy responses (LER) and high irradiance responses (HIR), mode of action.	SEPTEMBER, 2022	3
Core Course 12 : Plant Metabolism (THEORY)	Unit 3: Carbohydrate metabolism	Synthesis and catabolism of sucrose and starch.	NOVEMBER, 2022	2
Core Course 12 : Plant Metabolism (PRACTICAL)	To study the effect of light intensity on the rate of photosynthesis.	PRINCIPLE, PROCEDURE AND DISCUSSION	SEPTEMBER, 2022	1
DSE 1 (2) Reproductive Biology of Angiosperms	Unit 4: Ovule	Structure; Types; Female gametophyte- megasporogenesis (monosporic, bisporic	AUGUST, 2022	3

(THEORY)		and tetrasporic) and megagametogenesis(details of Polygonum type)		
DSE 1 (2) Reproductive Biology of Angiosperms (THEORY)	Unit 4: Ovule	Organization and ultrastructure of mature embryo sac.	SEPTEMBER, 2022	2
DSE 1 (2) Reproductive Biology of Angiosperms (PRACTICAL)	Ovule: Types- anatropous, orthotropous, amphitropous/ campylotropous, unitegmic, bitegmic; Tenuinucellate and crassinucellate; Special structures: Endothelium, obturator, hypostase, caruncle and aril (permanent slides/photographs).	PRINCIPLE, PROCEDURE AND DISCUSSION	NOVEMBER, 2022	2
DSE 2 (2) Natural Resource Management (THEORY)	Unit 1: Natural resources & Unit 2: Sustainable utilization	Definition and types. Concept, approaches (economic, ecological and socio-cultural)	AUGUST, 2022	3
DSE 2 (2) Natural Resource Management (THEORY)	Unit 3: Land	Utilization (agricultural, pastoral, horticultural, silvicultural); Soil degradation and management	SEPTEMBER, 2022	2
DSE 2 (2) Natural Resource Management (THEORY)	Unit 4: Water & Unit 5: Biological Resources	Fresh water (rivers, lakes, groundwater, aquifers, watershed); Marine; Estuarine; Wetlands; (8 lectures) Threats and management strategies. Biodiversity-definition	NOVEMBER, 2022	3

		and types; Significance; Threats; Management strategies; Bioprospecting; IPR; CBD; National Biodiversity Action Plan)		

CHANDERNAGORE COLLEGE				
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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 1A: Economic Botany and Biotechnology (THEORY)	Unit 1: Origin of Cultivated Plants	Concept of centres of origin, their importance with reference to Vavilov’s work	AUGUST, 2022	3
DSE 1A: Economic Botany and Biotechnology (PRACTICAL)	Unit 10: Recombinant DNA Technique	Basic Conception generation about molecular techniques: AGE and PAGE-Protocol.	SEPTEMBER, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 1: Conservation of Biodiversity	Plant diversity and its scope- Genetic diversity, Species diversity, Plant diversity at theecosystem level, Agrobiodiversity and cultivated plant taxa, wild taxa. Values and uses of Biodiversity: Ethical and aesthetic values, Precautionary principle, Methodologies forvaluation, Uses of plants, Uses of microbes.	JULY, 2022	2

SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2: Loss of Biodiversity	Loss of genetic diversity, Loss of species diversity, Loss of ecosystem diversity, Loss of agrobiodiversity, Projected scenario for biodiversity loss	AUGUST, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2: Loss of Biodiversity	Management of Plant Biodiversity: Organizations associated with biodiversity management- Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR	SEPTEMBER, 2022	2
SEC 3 (2) Plant Diversity and Human Welfare (THEORY)	Unit 2: Loss of Biodiversity	Biodiversity legislation and conservations, Biodiversity information management and communication.	NOVEMBER, 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course III: Mycology and Phytopathology (THEORY)	Unit 5: Allied Fungi	General characteristics; Status of Slime molds, Occurrence; Types of plasmodia	MARCH, 2023	4
Core Course III: Mycology and Phytopathology (THEORY)	Unit 6: Oomycota	General characteristics; Life cycle of Phytophthora and Albugo	APRIL, 2023	3
Core Course III: Mycology and Phytopathology (THEORY)	Unit 7: Symbiotic associations	Lichen -Occurrence; General characteristics; Range of thallus organization; Nature of associations of algal and fungal partners; Reproduction; Mycorrhiza- Ectomycorrhiza, Endomycorrhiza with special reference to VAM and their significance	MAY, 2023	3
Core Course III: Mycology and Phytopathology (PRACTICAL)	1. Study of the following genera and their identification: <i>Rhizopus</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1
Core Course III: Mycology and Phytopathology (PRACTICAL)	1. Study of the following genera and their identification: <i>Talaromvces</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 6 Plant taxonomy	Identification, Classification, Nomenclature.	MARCH, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 7 Identification	Functions of Herbarium, important herbaria and botanical gardens of the world and India.	APRIL, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (THEORY)	Unit 7 Identification	Documentation: Flora, Keys: single access and multi-access.	MAY, 2023	2
Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Study of vegetative and reproductive organs, description, drawing and labeling, floral diagram, floral formula and identification of the following families: Malvaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	1

Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Study of vegetative and reproductive organs, description, drawing and labeling, floral diagram, floral formula and identification of the following families: Rubiaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1
Core Course (CC- 1B) : Plant Ecology and Taxonomy (PRACTICAL)	Study of vegetative and reproductive organs, description, drawing and labeling, floral diagram, floral formula and identification of the following families: Papilionaceae.	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
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NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 1:	Introduction, importance of Palaeobotany	MARCH, 2023	1
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 2 Fossil	Definition of fossil, process of fossilization.	MARCH, 2023	2
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 2 Fossil	Types of fossils on the basis of their preservation.	APRIL, 2023	2
Core Course 8: Palaeobotany & Palynology (THEORY)	Unit 2 Fossil	Concept of Form Genus.	MAY, 2023	1
Core Course 8: Palaeobotany & Palynology (PRACTICAL)	Study (including mode of preservation) of the following: <i>Lepidodendron</i> , (stem in T. S.).	DISCUSSION	MARCH, 2023	1
Core Course 9 : Biomolecules and Cell Biology (THEORY)	Unit 4: The cell	Cell as a unit of structure and function; Characteristics of prokaryotic and eukaryotic cells; Origin of eukaryotic	APRIL, 2023	3

		cell (Endosymbiotic theory).		
Core Course 9 : Biomolecules and Cell Biology (THEORY)	Unit 5: Cell wall and plasma membrane	Chemistry, structure and function of Plant cell wall. Overview of membrane function; fluid mosaic model; Chemical composition of membranes; Membrane transport -Passive, active and facilitated transport, endocytosis and exocytosis	MAY, 2023	4
Core Course 9 : Biomolecules and Cell Biology (PRACTICAL)	Study different stages of mitosis and meiosis of <i>Allium cepa</i> .	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	3
Core Course 10 : Molecular Biology (THEORY)	Unit 5: Processing and modification of RNA	Split genes-concept of introns and exons, removal of introns, spliceosome machinery, splicing pathways, group I and group II intron splicing	MARCH, 2023	2
Core Course 10 : Molecular Biology (THEORY)	Unit 5: Processing and modification of RNA	Alternative splicing eukaryotic mRNA processing (5' cap, 3' polyA tail); Ribozymes; RNA editing and mRNA transport.	APRIL, 2023	2
Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Messelson and Stahl's, Avery et al, Griffith's, experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	MARCH, 2023	3
Core Course 10 : Molecular Biology (PRACTICAL)	Photographs establishing nucleic acid as genetic material (Hershey & Chase's experiments)	PRINCIPLE, PROCEDURE AND DISCUSSION	APRIL, 2023	1

SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 4: Role of plants in relation to Human Welfare	a) Importance of forestry theirutilization and commercial aspects b) Avenue trees, c) Ornamental plants of India,	MARCH, 2023	2
SEC-2 (5) Plant Diversity and Human Welfare (THEORY)	Unit 4: Role of plants in relation to Human Welfare	d) Alcoholic beverages through ages. Fruits and nuts: Important fruit crops their commercial importance. Wood and its uses.	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: ~~HONOURS~~ / GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 1: Plant-water relations	Importance of water, water potential and its components; Transpiration and its significance; Factors affecting transpiration; Root pressure and guttation	MARCH, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 2: Mineral nutrition	Essential elements, macro and micronutrients; Criteria of essentiality of elements; Role of essential elements	APRIL, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (THEORY)	Unit 2: Mineral nutrition	Transport of ions across cell membrane, active and passive transport, carriers, channels and pumps	MAY, 2023	2
Core Course (CC-1D) : Plant Physiology and Metabolism (PRACTICAL)	To study the effect of two environmental factors (light and wind) on transpiration by excised twig.	PRINCIPLE, PROCEDURE AND DISCUSSION	MAY, 2023	1
SEC 2 (1) Medicinal Botany (THEORY)	Unit 2: Conservation	Red list criteria; in-situ conservation: Biosphere reserves, sacred groves, National Parks.	MARCH, 2023	2

SEC 2 (1) Medicinal Botany (THEORY)	Unit 2: Conservation	Ex-situ conservation: Botanic Gardens, Ethnomedicinal plant Gardens.	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: BOTANY				
NAME OF THE TEACHER: DR. SUCHANDRA SETT NAIDU				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ ~~GENERAL~~ / ~~GENERIC~~		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core Course 13 : Genetics & Plant Breeding (THEORY)	Unit 2: Extrachromoso mal Inheritance	Chloroplast mutation: Variegation in Four o'clock plant	FEBRUARY, 2023	2
Core Course 13 : Genetics & Plant Breeding (PRACTICAL)	Photographs/Pe rmanent Slides showing Translocation Ring, Laggards and Inversion Bridge.	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	1
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 5: Plant diversity around the world	Aquatic and wetland plants; halophytes; plant of low- nutrient conditions	FEBRUARY, 2023	2
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 5: Plant diversity around the world	Plants of moist shady habitats (Sciophytes); epiphytes	MARCH, 2023	2
DSE – 3: (2) Plant Evolution and Biodiversity (THEORY)	Unit 5: Plant diversity around the world	Climbers; plants of cold or hot arid habitats; island floras	APRIL, 2023	2

DSE – 3: (2) Plant Evolution and Biodiversity (PRACTICAL)	Leaf anatomy of <i>Suaeda</i> , <i>Avicennia</i> and <i>Hertiera</i> (Halophytes)- Photographs	PRINCIPLE, PROCEDURE AND DISCUSSION	FEBRUARY, 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ENVIRONMENTAL SCIENCE				
NAME OF THE TEACHER: Dr RITUPARNA SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1 Course Title: Fundamentals of Environment (Theo)	Concept of Environment	Definition and concept of environment; Types and components of environment (Lithosphere, Atmosphere, Hydrosphere, Biosphere); Scope and multidisciplinary nature of the subject	AUGUST, 2022	2
CC-1 Course Title: Fundamentals of Environment (Theo)	Concept of Environment	Man-environment relationships; Public awareness – Earth Summits, recent Conventions on climate change	AUGUST, 2022	2
CC-1 Course Title: Fundamentals of Environment (Theo)	Cell and Genetics	Cell: Characteristics and types of Prokaryotic, and Eukaryotic cells; Concept of a gene, chemical nature of gene	AUGUST, 2022	2

CC-1 Course Title: Fundamentals of Environment (Theo)	Major Experiments	b) Cytological preparation of Meiotic stages from grasshopper testis	SEPTEMBER, 2022	2
CC-2 Course Title: Environmental Biology (Theo)	Concepts of Ecology	Subdivisions of ecology; Ecological classification (hydrophytes, xerophytes, halophytes, <i>etc.</i>) and their morphological, physiological and biochemical adaptation	SEPTEMBER, 2022	2
CC-2 Course Title: Environmental Biology (Theo)	Concepts of Ecology	Ecological factors - climatic, edaphic, physiographic and biotic; Limiting factor and Shelford's Law, Liebig law; Concept of Biological clock, circadian rhythm	SEPTEMBER, 2022	2
CC-2 Course Title: Environmental Biology (Theo)	Concepts of Ecosystem and Biomes	Structural and functional aspects of major ecosystems (with special reference to freshwater, mangrove and desert)	SEPTEMBER, 2022	2
CC-2 Course Title: Environmental Biology (Theo)	Concepts of Ecosystem and Biomes	Trophic levels, Ecological pyramids, food chain and food webs; Energy flow in ecosystem - Energy flow models	SEPTEMBER, 2022	2
CC-2 Course Title: Environmental Biology (Prac)	Major Experiments	a) Estimation of water parameters — DO	NOVEMBER, 2022	

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 Course Title: Earth Science (Theo)	Earth Resources	Mineral resources--classification, Indian occurrences; Water resources (surface and groundwater), hydrological cycles	JULY, 2022	2
CC-5 Course Title: Earth Science (Theo)	Earth Resources	Geological formation as aquifers, type and characteristics of aquifers; Groundwater plume; Darcy’s law	JULY, 2022	2
CC-5 Course Title: Earth Science (Theo)	Earth Resources	Depletion of groundwater; Artificial recharging of ground water; Influence of land use on water resources	AUGUST, 2022	2
CC-5 Course Title: Earth Science (Theo)	Elementary Idea of Remote Sensing	Definition, source of energy, energy interactions with the atmosphere and Earth’s surface materials; Principle of Remote sensing;	AUGUST, 2022	2
CC-5 Course Title: Earth Science (Theo)	Major Experiments	a) Interpretation of Satellite Imagery: Identification of different surface features from toposheet, Visual interpretations of satellite imagery	AUGUST, 2022	2
CC-5 Course Title: Earth Science (Prac)	Energy Resources	Classification - conventional, non-conventional, renewable, non-renewable	SEPTEMBER, 2022	2
CC-6 Course Title: Environmental Resources (Theo)	Fossil Fuels	Coal (composition, origin and classification); Petroleum (origin, mining, chemical composition, classification)	SEPTEMBER, 2022	2

CC-6 Course Title: Environmental Resources (Theo)	Fossil Fuels	Natural gas (concept on LNG, CNG, LPG); Oil (origin, utilization)	SEPTEMBER, 2022	2
CC-6 Course Title: Environmental Resources (Theo)	Renewable Resources	Solar energy (PV cells, PG cells); Geothermal energy (origin, utilization); Ocean energy; Biomass energy; Hydroelectricity	NOVEMBER, 2022	2
CC-6 Course Title: Environmental Resources (Prac)	Green Chemistry	Concept, principles, applications of green chemistry, <i>e. g.</i> , use of CO ₂ , H ₂ O ₂ , TiO ₂ ; Chitin;	DECEMBER, 2022	2
CC-6 Course Title: Environmental Resources (Prac)	Green Chemistry	Concept of octane number and antiknock compounds; Directions in practising green chemistry	DECEMBER, 2022	2
CC-7 Course Title: Green Chemistry & Environmental Applications (Theo)	Instrumental Methods	Chemical analysis of environmental samples; Principles of AAS, X-Ray, Fluorescence spectrophotometer	SEPTEMBER, 2022	2
CC-7 Course Title: Green Chemistry & Environmental Applications (Theo)	Instrumental Methods	Gas chromatography, HPLC	NOVEMBER, 2022	2
SEC-1 Course Title: (OR) Remote Sensing & Geographical Information System (GIS)	Remote Sensing	Principles, properties; Electromagnetic radiation and its interaction with atmosphere; Spectral reflectance of Earth's surface features	SEPTEMBER, 2022	2
SEC-1 Course Title: (OR) Remote Sensing & Geographical Information System (GIS)	Remote Sensing	Types and characteristics of different data acquisition platforms; Satellite geometry, sensors and resolutions	NOVEMBER, 2022	2

SEC-1 Course Title: (OR) Remote Sensing & Geographical Information System (GIS)	Remote Sensing	Data products and their characteristics; Basic principle of visual interpretation	DECEMBER, 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Course Title: Environmental Pollution (Theo)	Water Pollution	Sources-direct and indirect sources and their impact on water bodies, viz., marine, coastal, wetlands	JULY, 2022	2
CC-11 Course Title: Environmental Pollution (Theo)	Water Pollution	Groundwater pollution; Eutrophication, Lake acidification, salt water intrusion	JULY, 2022	2
CC-11 Course Title: Environmental Pollution (Theo)	Vehicular Pollution	Characteristics of automobile emissions, effects of automobile pollutants	AUGUST, 2022	2
CC-11 Course Title: Environmental Pollution (Prac)	Major Experiments	a) Estimation of Chloride from water sample	AUGUST, 2022	2
CC-11 Course Title: Environmental Pollution (Prac)	Major Experiments	b) Measurement of Dust fall	AUGUST, 2022	2
CC-12 Course Title: Environmental Engineering & Statistics (Theo)	Statistical Concept	Concept of statistics, population, sampling, sampling area, sampling unit, types of data,	JULY, 2022	2
CC-12 Course Title: Environmental Engineering & Statistics (Theo)	Statistical Concept	Types of sampling, advantages of sampling; Graphical representation of statistical data	AUGUST, 2022	2
DSE-1 Course Title: Environmental Pollution & Monitoring Techniques (Theo)	Pesticide Pollution	Sources, categories; Pesticidal effects in water; Elementary idea on IPML	AUGUST, 2022	2
DSE-1 Course Title: Environmental Pollution & Monitoring Techniques (Theo)	Metal Pollution	Metals in soil, food and water; Elementary idea on Lead and Cadmium pollution	SEPTEMBER, 2022	2

DSE-2 Course Title: Environmental Health & Stress Physiology (Theo)	Diseases	Concept on air, water, vector borne diseases; Some communicable diseases-- Viral hepatitis, dengue, Leishmaniasis; Non-communicable diseases - cardiovascular, diabetes	AUGUST, 2022	2
DSE-2 Course Title: Environmental Health & Stress Physiology (Theo)	Diseases	Immunology- elementary ideas about antigens and antibody, autoimmunity	SEPTEMBER, 2022	2
DSE-2 Course Title: Environmental Health & Stress Physiology (Theo)	Diseases	Immunodeficiency diseases; Allergy – Antibody-mediated hypersensitivity, hypersensitivity pneumonitis, allergic rhinitis, instant allergy, dermatitis, drug sensitivity	NOVEMBER, 2022	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Course Title: Environmental Chemistry (Theo)	Fundamental Concepts of General Chemistry	Metals and non-metals; Aromatic and aliphatic organic compounds; Saturated and unsaturated hydrocarbons; Free radicals	MARCH, 2023	2
CC-3 Course Title: Environmental Chemistry (Theo)	Aquatic Chemistry	Principles of sedimentation, coagulation, precipitation; Concept of solubility product; Filtration and adsorption processes	MARCH, 2023	2
CC-3 Course Title: Environmental Chemistry (Theo)	Major Experiments	a) Estimation of Chlorophyll from plant material	MARCH, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Biophysics	Osmosis, osmotic pressure, plant cell as osmotic system and relationship with turgor pressure, wall pressure and osmotic pressure; Water potential concept, types;	APRIL, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Biophysics	Osmotic relation in three physical states (ψ , ψ_s , ψ_p); Water potential changes in plasmolysis and deplasmolysis, imbibitions	APRIL, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Analytical Physics	Lambert-Beer’s law; Principle, instrumentation, application, limitations of Spectrophotometer, Flame photometry, Atomic Absorption Spectrophotometer	MAY, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Analytical Physics	Separation technique: Principle, types, techniques, and application of Chromatography; Solvent extraction process	MAY, 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Ecotoxicology	Definition and Concept; mechanism of toxicity; Branches of toxicology	MARCH, 2023	2
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Ecotoxicology	Types of interactions in toxicology; Concept of Dose- Response relationship, LD ₅₀ , LC ₅₀	MARCH, 2023	2
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Ecotoxicology	Threshold Limit Value (TLV), Therapeutic index; Basic concept on Bioaccumulation, Biomagnifications	MARCH, 2023	2
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Ecotoxicology	Bio-concentration factor; Ames test, Bio assay technique	APRIL, 2023	2
CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Impact Assessment (EIA)	Basic ideas and definition; Goals of impact assessment, evolution of impact assessment, technology assessment	MARCH, 2023	2
CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Impact Assessment (EIA)	Environmental inventory; Techniques and methods of EIA	MARCH, 2023	2
CC-10 Course Title: Natural Hazards & Management & Waste Management (Theo)	Waste Management	Waste generation & characterization; Integrated Solid Waste Management; Hazardous waste management; Hazardous waste treatment technologies	MARCH, 2023	2
CC-10 Course Title: Natural Hazards & Management & Waste Management (Theo)	Waste Management	Municipal Solid Waste Management; Biomedical waste management; Industrial Pollution Management	MARCH, 2023	2
SEC-2 Course Title: (OR) Microbiological Techniques	Methodology	Preparation of solid and liquid media for bacterial culture (natural, synthetic medium); Sterilization; Aseptic technique	MARCH, 2023	2

SEC-2 Course Title: (OR) Microbiological Techniques	Methodology	Inoculation and incubation; Preparation of slants; Pure culture techniques (spread plate, pour plate, streak plate)	APRIL, 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Course Title: Environmental Economics & Management (Theo)	Management of Pollution	Management of air pollution, water pollution, noise pollution in respect to Indian scenario; Concept, types, importance of Desalination Process	FEBRUARY, 2023	2
CC-13 Course Title: Environmental Economics & Management (Theo)	Management of Pollution	Waste Water Treatment; Strategies for sustainable Water Management; Drinking Water Standard; Ganga Action Plan (GAP), Yamuna Action Plan (YAP)	FEBRUARY, 2023	
CC-13 Course Title: Environmental Economics & Management (Theo)	Waste Management	Integrated system for waste management: Municipal Solid Wastes (MSW); Biomedical wastes	MARCH, 2023	
CC-13 Course Title: Environmental Economics & Management (Theo)	Waste Management	Plastic wastes; Hazardous wastes; Radioactive waste; Biosafety Protocol	MARCH, 2023	
CC-14 Course Title: Wildlife Management & Conservation (Theo)	Human Wildlife Coexistence	Symbiotic relationship between tribals and forest, forest and development; Community participation in forest management	FEBRUARY, 2023	2
CC-14 Course Title: Wildlife Management & Conservation (Theo)	Human Wildlife Coexistence	Case study of Chipko movement, sacred groves forests, India’s Bishnoi community and their conservation practices	FEBRUARY, 2023	2
CC-14 Course Title: Wildlife Management & Conservation (Theo)	Human Wildlife Coexistence	Ecological- economic welfare and development; Man and biosphere programmes	MARCH, 2023	2
CC-14 Course Title: Wildlife Management & Conservation (Theo)	Human Wildlife Coexistence	Concept of conservation reserves and community reserves, importance of wildlife corridors	APRIL, 2023	2

CC-14 Course Title: Wildlife Management & Conservation (Prac)	Educational tour/ Field visit	-	APRIL, 2023	2
DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Global Energy Balance	Earth's energy balance; Energy transfers in atmosphere; Earth's radiation budget	MARCH, 2023	2
DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Global Energy Balance	Green house gases (GHGs); Greenhouse effect; Global conveyor belt	APRIL, 2023	2
DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Climate Change and Policy	Environmental policy debate; International agreements	MAY, 2023	2
DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Climate Change and Policy	Montreal protocol 1987; Kyoto protocol 1997; Conservation on Climate Change	MAY, 2023	2
DSE-4 (OR) Solid Waste Management (Theo)	Solid Waste Management	Different techniques used in collection, storage, transportation and disposal of solid waste (municipal, hazardous and biomedical waste)	MARCH, 2023	2
DSE-4 (OR) Solid Waste Management (Theo)	Solid Waste Management	Landfill (traditional and sanitary landfill design); Thermal treatment (pyrolysis and incineration) of waste material; Drawbacks in waste management techniques	APRIL, 2023	2
DSE-4 (OR) Solid Waste Management (Theo)	Waste-to-energy	Concept of energy recovery from waste; different WTE processes; Combustion, pyrolysis, landfill gas (LFG) recovery; Anaerobic digestion; Gasification	MAY, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ENVIRONMENTAL SCIENCE				
NAME OF THE TEACHER: Smt. LAHARI SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUM BER OF CLA SSES
CC-1 Course Title: Fundamentals of Environment (Theo)	Cell and Genetics	Ultra structure and functions of plasma membrane, structure and function of Mitochondria, Ribosome, Golgi body	AUGUST, 2022	2
CC-1 Course Title: Fundamentals of Environment (Theo)	Cell and Genetics	Chloroplast, Endoplasmic reticulum, Nucleus, Chromosome	AUGUST, 2022	2
CC-1 Course Title: Fundamentals of Environment (Theo)	Cell and Genetics	Cellular reproduction: Stages of Mitosis and Meiosis	AUGUST, 2022	2
CC-1 Course Title: Fundamentals of Environment (Theo)	Major Experiments	a)Cytological preparation of Mitotic stages from onion root tips (<i>Allium cepa</i>)	SEPTEMBER, 2022	2

CC-2 Course Title: Environmental Biology (Theo)	Concepts of Ecosystem and Biomes	Biomes: Concept, types and characteristics of biome types	AUGUST, 2022	2
CC-2 Course Title: Environmental Biology (Theo)	Biotic Community	Ecological succession; biogeochemical cycles, <i>e. g.</i> , N, C, S, P	SEPTEMBER, 2022	2
CC-2 Course Title: Environmental Biology (Prac)	Major Experiments	a) Estimation of water parameters — Alkalinity, Acidity	SEPTEMBER, 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 Course Title: Earth Science (Theo)	Climatology	Elements of climates; Spatial and temporal patterns of climate; Climate parameters in India and climatic classification (Koppen's classification)	JULY, 2022	2
CC-6 Course Title: Environmental Resources (Theo)	Natural Resources	Current status of Water, Land, Forest, Food and Minerals resource	JULY, 2022	2
CC-6 Course Title: Environmental Resources (Theo)	Biological Wealth	Biodiversity – Concept, value; Mega-diversity Hotspots, hotspots of biodiversity	AUGUST, 2022	2
CC-6 Course Title: Environmental Resources (Theo)	Biological Wealth	Red Data Book; Conservation of biodiversity (International & National); Threats of biodiversity	AUGUST, 2022	2
CC-6 Course Title: Environmental Resources (Prac)	Major Experiments	Estimation of soil parameters: pH & Temperature	AUGUST, 2022	2
CC-7 Course Title: Green Chemistry & Environmental Applications (Theo)	Green Synthesis of Chemicals	Methyl methacrylate, polyurethane, paracetamol; Production of 3 rd & 4 th generation pest controller, Integrated Pest Management (IPM), biodiesel, biopolymers, degradable polymers, bioplastics; Alternative Fluorocarbons (AFCs)	SEPTEMBER, 2022	2

SEC-1 Course Title: (OR) Remote Sensing & Geographical Information System (GIS)	GIS	Concept of GIS; Spatial data model; Attribute data management; Process of GIS	DECEMBER, 2022	

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Course Title: Environmental Pollution (Theo)	Understanding Pollution (Fundamentals)	Pollution, poverty, and population	JULY, 2022	2
CC-11 Course Title: Environmental Pollution (Theo)	Air Pollution	Air pollutants—sources and effects of primary and secondary pollutants, particulate matters	JULY, 2022	2
CC-11 Course Title: Environmental Pollution (Theo)	Air Pollution	Indoor pollutants	AUGUST, 2022	2
CC-11 Course Title: Environmental Pollution (Theo)	Air Pollution	Global climate change; Photochemical smog	AUGUST, 2022	2
CC-11 Course Title: Environmental Pollution (Prac)	Major Experiments	a) Estimation of phosphate	AUGUST, 2022	2
CC-12 Course Title: Environmental Engineering & Statistics (Theo)	Environmental Engineering	Material cycling in ecosystems; Hydraulic gradient; Rain water harvesting, Water shed	JULY, 2022	2
CC-12 Course Title: Environmental Engineering & Statistics (Theo)	Environmental Engineering	Management Municipal waste water and treatment processes	AUGUST, 2022	2
CC-12 Course Title: Environmental Engineering & Statistics (Theo)	Environmental Engineering	Point-source Gaussian Plume Model in air pollution; Global initiatives on atmospheric changes; Waste-to-Energy combustion	AUGUST, 2022	2

DSE-1 Course Title: Environmental Pollution & Monitoring Techniques (Theo)	Bacteriological Examination of Water	Standard Plate Count and Coliform test with reference to IS: 1622	SEPTEMBER, 2022	2
DSE-2 Course Title: Environmental Health & Stress Physiology (Theo)	Environmental Stress Physiology	Concept and fundamentals; Photoinhibition and photo acclimation	AUGUST, 2022	2
DSE-2 Course Title: Environmental Health & Stress Physiology (Theo)	Environmental Stress Physiology	Stress-agents like temperature, oxygen, salinity on plants	NOVEMBER, 2022	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Course Title: Environmental Chemistry (Theo)	Fundamentals of Biochemistry	Elementary ideas on carbohydrates, proteins, lipids and enzymes; Idea on structure of macro-molecules - DNA and RNA	MARCH, 2023	2
CC-3 Course Title: Environmental Chemistry (Theo)	Atmospheric Chemistry	Composition and structure of the atmosphere; Properties of atmospheric gases, aerosols, SPM; Photochemical reactions in the atmosphere (photochemical smog)	MARCH, 2023	2
CC-3 Course Title: Environmental Chemistry (Prac)	Major Experiments	b) Estimation of Primary productivity, Hardness	MARCH, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Biophysics	Free energy; Bioenergetics of coupled reactions	APRIL, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Biophysics	High energy phosphates- central role in energy capture and transfer	APRIL, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Biophysics	Energy yield, coupling factor theory, membrane transport, active transport	MAY, 2023	2
CC-4 Course Title: Environmental Physics (Theo)	Biophysics	ATP driven active transport; ion driven active transport	MAY, 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Environmental Biotechnology	Composting, vermicomposting, bioleaching	MARCH, 2023	2
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Environmental Biotechnology	Application of biotechnology in environmental field	MARCH, 2023	2
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Biotechnological Approaches	Definition, types, applications and advantages of biofertiliser	MARCH, 2023	2
CC-8 Course Title: Ecotoxicology & Environmental Biotechnology (Theo)	Biotechnological Approaches	Biopesticide, biofuel, and biogas	APRIL, 2023	2
CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Acts	Objectives & Principles of The Environment Protection Act, 1986;	MARCH, 2023	2
CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Acts	The Air (Prevention and Control of Pollution) Act, 1981;	MARCH, 2023	2
CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Acts	The Water (Prevention and Control of Pollution) Act, 1974	APRIL, 2023	2
CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Acts	The Noise Pollution (Regulation and Control) Act, 2000; The Wild Life (Protection) Act, 1972	APRIL, 2023	2
CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Acts	The Forest (Conservation) Act, 1980; The National Green Tribunal Act, 2010; The Biological Diversity Act, 2002;	MAY, 2023	2

CC-9 Course Title: Environmental Laws, Policies & Environmental Impact Assessment (Theo)	Environmental Acts	Public Liability Insurance Act, 1991	MAY, 2023	2
CC-10 Course Title: Natural Hazards & Management & Waste Management (Theo)	Natural Hazards	Definition, concept and types; Causes, distribution, consequences and mitigation measures and for Earthquake, Tsunami	JUNE, 2023	2
SEC-2 Course Title: (OR) Microbiological Techniques	Techniques	Principle of staining; Simple, negative and differential staining (Gram staining); MPN technique for drinking water examination	JULY, 2023	2
SEC-2 Course Title: (OR) Microbiological Techniques	Instrumentation	Principle of laminar air flow, incubator	JULY, 2023	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-13 Course Title: Environmental Economics & Management (Theo)	Principles of Management	Definition and concept on environmental management	FEBRUARY, 2023	2
CC-13 Course Title: Environmental Economics & Management (Theo)	Principles of Management	Environmental quality measurement (ISO:14000), Environmental management system	FEBRUARY, 2023	
CC-13 Course Title: Environmental Economics & Management (Theo)	Principles of Management	Implication of Agenda-21	MARCH, 2023	
CC-13 Course Title: Environmental Economics & Management (Theo)	Principles of Management	Functions of management-- forecasting, planning, organizing, motivating, coordinating, controlling, and communicating, leadership, directing, and decision making	MARCH, 2023	
CC-14 Course Title: Wildlife Management & Conservation (Theo)	Wildlife Management	Need of environmental management; Wildlife conservation: moral obligation; Philosophy of wildlife management	FEBRUARY, 2023	2
CC-14 Course Title: Wildlife Management & Conservation (Theo)	Wildlife Management	Human wildlife conflicts; Role of government, wildlife biologists and social scientists	FEBRUARY, 2023	2
DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Earth's Atmosphere	Concept; Evolution and development; Atmospheric structure and coposition	MARCH, 2023	2
DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Ozone Layer Depletion	Ozone layer or ozone shield; Importance of ozone layer; Ozone layer depletion and causes	APRIL, 2023	2

DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Ozone Layer Depletion	Ozone depleting substances (ODS); Effects of ozone depletion	APRIL, 2023	2
DSE-3 (OR) Atmosphere & Global Climate Change (Theo)	Ozone Layer Depletion	Mitigation measures and international protocols	MARCH, 2023	2
DSE-4 (OR) Solid Waste Management (Theo)	Solid Waste	Sources and generation; Classification and chemical composition; Characterization of municipal solid waste; Hazardous waste and biomedical waste	APRIL, 2023	2
DSE-4 (OR) Solid Waste Management (Theo)	Resource Recovery	4R-reduce, reuse, recycle and recover	MAY, 2023	2
DSE-4 (OR) Solid Waste Management (Theo)	Resource Recovery	Mechanical biological treatment; Green techniques for waste treatment	MAY, 2023	2

CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER: ABHISHEK NANDI				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2022-2023			PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-2 UNIX/Linux Operating System	Introduction	Definition of Linux/Unix Operating System, Difference, Features, Architecture	MARCH	2
SEC-2 UNIX/Linux Operating System	Introduction	Installation, Booting and Shutdown Process, System Processes	MARCH	3
SEC-2 UNIX/Linux Operating System	Commands	Internal and External Commands	MARCH	2
SEC-2 UNIX/Linux Operating System	Commands	Process and its creation phases, Fork, Exec, wait etc	APRIL	2
SEC-2 UNIX/Linux Operating System	User management	Types of Users, Creating Users, Granting rights, User management commands	APRIL	2
SEC-2 UNIX/Linux Operating System	File System	Various File System available, File System management and layout, File permission,	MAY	5
SEC-2 UNIX/Linux Operating System	Shell Introduction, Shell Scripting	Shell and its types, various editors in Linux, Different modes in vi editor, Shell script, Writing and executing in Shell Scripting	MAY	3
SEC-2 UNIX/Linux Operating System	Shell Scripting	Shell variable, System call, Pipes, Filters, Decision making, Looping, Function, Utility Programs	JUNE	6

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER: ABHISHEK NANDI				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2021-2022			PROGRAMME: BSC IN COMPUTER SCIENCE COURSE TYPE: HONOURS	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-7 COMPUTER NETWORKS	INTRODUCTION TO COMPUTER NETWORK	NETWORK DEFINITION, TOPOLOGIES, NETWORK ARCHITECTURE, OSI REFERENCE MODEL, TCP/IP PROTOCOL SUITE	JULY	6
CC-7 COMPUTER NETWORKS	DATA COMMUNICATION FUNDAMENTAL AND TECHNIQUES	ANALOG AND DIGITAL SIGNAL, PULSE CODE MODULATION, PARALLEL AND SERIAL TRANSMISSION, MULTIPLEXING, TYPES OF MULTIPLEXING, TRANSMISSION MEDIA	JULY	10
CC-7 COMPUTER NETWORKS	NETWORK SWITCHING TECHNIQUES AND ACCESS MECHANISMS	CIRCUIT SWITCHING, PACKET SWITCHING, DATAGRAM SWITCHING, VIRTUAL CIRCUIT SWITCHING	AUGUST	10
CC-7 COMPUTER NETWORKS	DATA LINK LAYER FUNCTION AND PROTOCOL	ERROR DETECTION, ERROR CORRECTION, CRC, VRC, LRC, HAMMING CODE, ERROR RECOVERY PROTOCOL	AUGUST-SEPTEMBER	10
CC-7 COMPUTER NETWORKS	MULTIPLE ACCESS PROTOCOL AND NETWORKS	ALOHA, CSMA, CDMA, ETHERNET LAN, REPEATER, SWITCH, HUB, BRIDGE, ROUTERS, GATEWAYS	SEPTEMBER	5
CC-7 COMPUTER NETWORKS	NETWORK LAYER FUNCTIONS AND PROTOCOLS	ROUTING, STATIC AND DYNAMIC ROUTING, IP PROTOCOLS	NOVEMBER	6
CC-7 COMPUTER NETWORKS	TRANSPORT LAYER FUNCTIONS AND PROTOCOLS	TRANSPORT LAYER PROTOCOL, CONNECTION ESTABLISHMENT AND RELEASE, THREWAY HANDSHAKING METHODS, TCP AND UDP	NOVEMBER	6
CC-7 COMPUTER NETWORKS	OVERVIEW OF APPLICATION LAYER PROTOCOL	DNS PROTOCOL, OVERVIEW OF WWW AND HTTP PROTOCOL	DECEMBER	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER: DEBADITYA RAYCHAUDHURI				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6 OPERATING SYSTEMS	INTRODUCTION	BASICS AND DEFINITION	JULY 2022	2
CC-6 OPERATING SYSTEMS	INTRODUCTION	OS FUNCTIONS	JULY 2022	2
CC-6 OPERATING SYSTEMS	INTRODUCTION	TYPES OF OS	JULY 2022	2
CC-6 OPERATING SYSTEMS	OPERATING SYSTEM ORGANIZATION	PROCESSOR AND USER MODES,	AUGUST 2022	2
CC-6 OPERATING SYSTEMS	OPERATING SYSTEM ORGANIZATION	KERNELS, SYSTEM CALLS AND SYSTEM PROGRAMS	AUGUST 2022	2
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	SYSTEM VIEW OF THE PROCESS AND RESOURCES	AUGUST 2022	2
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	PROCESS ABSTRACTION, PROCESS HIERARCHY, THREADS, THREADING ISSUES, THREAD LIBRARIES;	AUGUST 2022	4
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	PROCESS SCHEDULING, NON-PRE-EMPTIVE AND PRE-EMPTIVE SCHEDULING ALGORITHMS	AUGUST 2022	6
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	CONCURRENT AND PROCESSES	SEPTEMBER 2022	4
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	CRITICAL SECTION AND IPC	SEPTEMBER 2022	4
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	SEMAPHORES AND SYNCHRONIZATION	SEPTEMBER 2022	4
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	DEADLOCKS – DEFINITION, CONDITIONS	SEPTEMBER 2022	4
CC-6 OPERATING SYSTEMS	PROCESS MANAGEMENT	DEADLOCKS MANAGEMENT – PREVENTION, AVOIDANCE, RECOVERY	NOVEMBER 2022	4

CC-6 OPERATING SYSTEMS	MEMORY MANAGEMENT	PHYSICAL AND VIRTUAL ADDRESS SPACE	NOVEMBER 2022	4
CC-6 OPERATING SYSTEMS	MEMORY MANAGEMENT	MEMORY ALLOCATION STRATEGIES –FIXED AND VARIABLE PARTITIONS,	NOVEMBER 2022	2
CC-6 OPERATING SYSTEMS	MEMORY MANAGEMENT	PAGING, SEGMENTATION, VIRTUAL MEMORY	DECEMBER 2022	4
CC-6 OPERATING SYSTEMS	FILE AND I/O MANAGEMENT	DIRECTORY STRUCTURE, FILE OPERATIONS	DECEMBER 2022	2
CC-6 OPERATING SYSTEMS	FILE AND I/O MANAGEMENT	FILE ALLOCATION METHODS, DEVICE MANAGEMENT	DECEMBER 2022	2
CC-6 OPERATING SYSTEMS	PROTECTION AND SECURITY	POLICY MECHANISM, AUTHENTICATION	DECEMBER 2022	2
CC-6 OPERATING SYSTEMS	PROTECTION AND SECURITY	INTERNAL ACCESS AUTHORIZATION	DECEMBER 2022	2
CC-6 OPERATING SYSTEMS	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		JULY 2022 – DECEMBER 2022	20
CC-6 OPERATING SYSTEMS	TOTAL CLASSES : THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-2 SYSTEMS PROGRAMMING	ASSEMBLERS & LOADERS, LINKERS	ONE PASS AND TWO PASS ASSEMBLER	JULY 2022	2
DSE-2 SYSTEMS PROGRAMMING	ASSEMBLERS & LOADERS, LINKERS	DESIGN OF AN ASSEMBLER	JULY 2022	2
DSE-2 SYSTEMS PROGRAMMING	ASSEMBLERS & LOADERS, LINKERS	ABSOLUTE LOADER	JULY 2022	2
DSE-2 SYSTEMS PROGRAMMING	ASSEMBLERS & LOADERS, LINKERS	RELOCATION AND LINKING CONCEPTS	JULY 2022	2
DSE-2 SYSTEMS PROGRAMMING	ASSEMBLERS & LOADERS, LINKERS	RELOCATING LOADER AND DYNAMIC LINKING	JULY 2022	2
DSE-2 SYSTEMS PROGRAMMING	INTRODUCTION	OVERVIEW OF COMPILATION	AUGUST 2022	3
DSE-2 SYSTEMS PROGRAMMING	INTRODUCTION	PHASES OF A COMPILER	AUGUST 2022	3
DSE-2 SYSTEMS PROGRAMMING	LEXICAL ANALYSIS	ROLE OF A LEXICAL ANALYZER	AUGUST 2022	4
DSE-2 SYSTEMS PROGRAMMING	LEXICAL ANALYSIS	SPECIFICATION AND RECOGNITION OF TOKENS	AUGUST 2022	3
DSE-2 SYSTEMS PROGRAMMING	LEXICAL ANALYSIS	SYMBOL TABLE, LEX	AUGUST 2022	3
DSE-2 SYSTEMS PROGRAMMING	PARSING	TOP DOWN PARSING – LL PARSER	AUGUST 2022	4
DSE-2 SYSTEMS PROGRAMMING	PARSING	BOTTOM UP PARSING- LR PARSER	SEPTEMBER 2022	3
DSE-2 SYSTEMS PROGRAMMING	PARSING	SLR, LALR, CLR	SEPTEMBER 2022	4
DSE-2 SYSTEMS PROGRAMMING	PARSING	YACC	SEPTEMBER 2022	1
DSE-2 SYSTEMS PROGRAMMING	INTERMEDIATE REPRESENTATIONS	THREE ADDRESS CODE GENERATION & REPRESENTATIONS	SEPTEMBER 2022	4
DSE-2 SYSTEMS PROGRAMMING	INTERMEDIATE REPRESENTATIONS	SYNTAX DIRECTED TRANSLATION	SEPTEMBER 2022	4

DSE-2 SYSTEMS PROGRAMMING	INTERMEDIATE REPRESENTATIONS	TRANSLATION OF TYPES	SEPTEMBER 2022	2
DSE-2 SYSTEMS PROGRAMMING	INTERMEDIATE REPRESENTATIONS	CONTROL STATEMENTS	SEPTEMBER 2022	2
DSE-2 SYSTEMS PROGRAMMING	STORAGE ORGANIZATION	ACTIVATION RECORDS	NOVEMBER 2022	3
DSE-2 SYSTEMS PROGRAMMING	STORAGE ORGANIZATION	STACK ALLOCATION	NOVEMBER 2022	2
DSE-2 SYSTEMS PROGRAMMING	CODE GENERATION	OBJECT CODE GENERATION	NOVEMBER 2022	5
DSE-2 SYSTEMS PROGRAMMING	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		JULY 2022 – NOVEMBER 2022	20
DSE-2 SYSTEMS PROGRAMMING	TOTAL CLASSES : THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 PROGRAMMING IN JAVA	INTRODUCTION TO JAVA	JAVA ARCHITECTURE AND FEATURES, UNDERSTANDING THE SEMANTIC AND SYNTAX DIFFERENCES BETWEEN C++ AND JAVA	MARCH 2023	3
CC-3 PROGRAMMING IN JAVA	INTRODUCTION TO JAVA	COMPILING AND EXECUTING A JAVA PROGRAM, VARIABLES, CONSTANTS, KEYWORDS DATA TYPES, OPERATORS (ARITHMETIC, LOGICAL AND BITWISE) AND EXPRESSIONS, COMMENTS, DOING BASIC PROGRAM OUTPUT, DECISION MAKING CONSTRUCTS (CONDITIONAL STATEMENTS AND LOOPS) AND NESTING, JAVA METHODS (DEFINING, SCOPE, PASSING AND RETURNING ARGUMENTS, TYPE CONVERSION AND TYPE AND CHECKING, BUILT-IN JAVA CLASS METHODS)	MARCH 2023	4
CC-3 PROGRAMMING IN JAVA	ARRAYS, STRINGS AND I/O	CREATING & USING ARRAYS (ONE DIMENSION AND MULTI- DIMENSIONAL)	MARCH 2023	2
CC-3 PROGRAMMING IN JAVA	ARRAYS, STRINGS AND I/O	REFERENCING ARRAYS DYNAMICALLY	MARCH 2023	2
CC-3 PROGRAMMING IN JAVA	ARRAYS, STRINGS AND I/O	JAVA STRINGS: THE JAVA STRING CLASS	MARCH 2023	1
CC-3 PROGRAMMING IN JAVA	ARRAYS, STRINGS AND I/O	CREATING & USING STRING OBJECTS, MANIPULATING STRINGS,	MARCH 2023	2
CC-3 PROGRAMMING IN JAVA	ARRAYS, STRINGS AND I/O	STRING IMMUTABILITY & EQUALITY, PASSING STRINGS TO & FROM METHODS, STRING BUFFER CLASSES.	APRIL 2023	2

CC-3 PROGRAMMING IN JAVA	ARRAYS, STRINGS AND I/O	SIMPLE I/O USING SYSTEM.OUT AND THE SCANNER CLASS, BYTE AND CHARACTER STREAMS, READING/WRITING FROM CONSOLE AND FILES.	APRIL 2023	2
CC-3 PROGRAMMING IN JAVA	OBJECT-ORIENTED PROGRAMMING OVERVIEW	PRINCIPLES OF OBJECT- ORIENTED PROGRAMMING	APRIL 2023	2
CC-3 PROGRAMMING IN JAVA	OBJECT-ORIENTED PROGRAMMING OVERVIEW	DEFINING & USING CLASSES, CONTROLLING ACCESS TO CLASS MEMBERS,	APRIL 2023	2
CC-3 PROGRAMMING IN JAVA	OBJECT-ORIENTED PROGRAMMING OVERVIEW	CLASS CONSTRUCTORS, METHOD OVERLOADING	APRIL 2023	2
CC-3 PROGRAMMING IN JAVA	OBJECT-ORIENTED PROGRAMMING OVERVIEW	CLASS VARIABLES & METHODS, OBJECTS AS PARAMETERS, FINAL CLASSES, OBJECT CLASS, GARBAGE COLLECTION.	APRIL 2023	2
CC-3 PROGRAMMING IN JAVA	INHERITANCE, INTERFACES, PACKAGES, ENUMERATIONS, AUTOBOXING AND METADATA	INHERITANCE: SINGLE LEVEL AND MULTILEVEL, METHOD OVERRIDING,	APRIL 2023	2
CC-3 PROGRAMMING IN JAVA	INHERITANCE, INTERFACES, PACKAGES, ENUMERATIONS, AUTOBOXING AND METADATA	DYNAMIC METHOD DISPATCH, ABSTRACT CLASSES	APRIL 2023	2
CC-3 PROGRAMMING IN JAVA	INHERITANCE, INTERFACES, PACKAGES, ENUMERATIONS, AUTOBOXING AND METADATA	INTERFACES AND PACKAGES, EXTENDING INTERFACES AND PACKAGES	MAY 2023	4
CC-3 PROGRAMMING IN JAVA	INHERITANCE, INTERFACES, PACKAGES, ENUMERATIONS, AUTOBOXING AND METADATA	PACKAGE AND CLASS VISIBILITY, USING STANDARD JAVA PACKAGES (UTIL, LANG, IO, NET)	MAY 2023	4
CC-3 PROGRAMMING IN JAVA	INHERITANCE, INTERFACES, PACKAGES, ENUMERATIONS, AUTOBOXING AND METADATA	WRAPPER CLASSES, AUTOBOXING/UNBOXING, ENUMERATIONS AND METADATA	MAY 2023	2
CC-3 PROGRAMMING IN JAVA	EXCEPTION HANDLING, THREADING, NETWORKING	EXCEPTION TYPES, UNCAUGHT EXCEPTIONS	MAY 2023	3

CC-3 PROGRAMMING IN JAVA	EXCEPTION HANDLING, THREADING, NETWORKING	THROW, BUILT-IN EXCEPTIONS , CREATING YOUR OWN EXCEPTIONS	MAY 2023	2
CC-3 PROGRAMMING IN JAVA	EXCEPTION HANDLING, THREADING, NETWORKING	MULTI-THREADING: THE THREAD CLASS AND RUNNABLE INTERFACE, CREATING SINGLE AND MULTIPLE THREADS,	JUNE 2023	3
CC-3 PROGRAMMING IN JAVA	EXCEPTION HANDLING, THREADING, NETWORKING	THREAD PRIORITIZATION, SYNCHRONIZATION AND COMMUNICATION, SUSPENDING/RESUMING THREADS.	JUNE 2023	2
CC-3 PROGRAMMING IN JAVA	APPLETS AND EVENT HANDLING	JAVA APPLETS : INTRODUCTION TO APPLETS	JUNE 2023	3
CC-3 PROGRAMMING IN JAVA	APPLETS AND EVENT HANDLING	WRITING JAVA APPLETS	JUNE 2023	3
CC-3 PROGRAMMING IN JAVA	APPLETS AND EVENT HANDLING	WORKING WITH GRAPHICS, INCORPORATING IMAGES & SOUNDS. EVENT HANDLING MECHANISMS,LISTENER	JUNE 2023	2
CC-3 PROGRAMMING IN JAVA	APPLETS AND EVENT HANDLING	INTERFACES, ADAPTER AND INNER CLASSES. THE DESIGN AND IMPLEMENTATION OF GUIs USING THE AWT CONTROLS.	JULY 2023	2
CC-3 PROGRAMMING IN JAVA	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		MARCH 2023 – JULY 2023	20
CC-3 PROGRAMMING IN JAVA	TOTAL CLASSES : THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-14 COMPUTER GRAPHICS	INTRODUCTION	BASIC ELEMENTS OF COMPUTER GRAPHICS, APPLICATIONS OF COMPUTER GRAPHICS.	FEBRUARY 2023	3
CC-14 COMPUTER GRAPHICS	INTRODUCTION	APPLICATIONS OF COMPUTER GRAPHICS	FEBRUARY 2023	2
CC-14 COMPUTER GRAPHICS	GRAPHICS HARDWARE	ARCHITECTURE OF RASTER AND RANDOM SCAN DISPLAY DEVICE.	FEBRUARY 2023	4
CC-14 COMPUTER GRAPHICS	GRAPHICS HARDWARE	INPUT/OUTPUT DEVICES	FEBRUARY 2023	4
CC-14 COMPUTER GRAPHICS	FUNDAMENTAL TECHNIQUES IN GRAPHICS	LINE DRAWING ALGORITHMS	FEBRUARY 2023	3
CC-14 COMPUTER GRAPHICS	FUNDAMENTAL TECHNIQUES IN GRAPHICS	CIRCLE AND ELLIPSE DRAWING ALGORITHMS	MARCH 2023	6
CC-14 COMPUTER GRAPHICS	FUNDAMENTAL TECHNIQUES IN GRAPHICS	2D AND 3D GEOMETRIC TRANSFORMATIONS	MARCH 2023	8
CC-14 COMPUTER GRAPHICS	FUNDAMENTAL TECHNIQUES IN GRAPHICS	2D AND 3D VIEWING TRANSFORMATIONS	MARCH 2023	3
CC-14 COMPUTER GRAPHICS	FUNDAMENTAL TECHNIQUES IN GRAPHICS	POLYGON FILLING	APRIL 2023	3
CC-14 COMPUTER GRAPHICS	FUNDAMENTAL TECHNIQUES IN GRAPHICS	LINE AND POLYGON CLIPPING ALGORITHMS	APRIL 2023	3
CC-14 COMPUTER GRAPHICS	GEOMETRIC MODELING	REPRESENTING CURVES & SURFACES	APRIL 2023	6
CC-14 COMPUTER GRAPHICS	VISIBLE SURFACE DETERMINATION	HIDDEN SURFACE ELIMINATION	MAY 2023	8
CC-14 COMPUTER GRAPHICS	SURFACE RENDERING	ILLUMINATION AND SHADING MODELS.	MAY 2023	4
CC-14 COMPUTER GRAPHICS	SURFACE RENDERING	BASIC COLOUR MODELS AND COMPUTER ANIMATION	JUNE 2023	3

CC-14 COMPUTER GRAPHICS	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES	FEBRUARY 2023 – JUNE 2023	20
CC-14 COMPUTER GRAPHICS	TOTAL CLASSES : THEORY + PRACTICAL		80

CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER: RUMPA SETH				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION:2022-2023		PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 INTERNET TECHNOLOGIES	JAVA	USE OF OBJECTS, ARRAY AND ARRAY LIST CLASS	JULY 2022	4
CC-11 INTERNET TECHNOLOGIES	JAVASCRIPT	DATA TYPES AND OPERATORS, CONTROL STRUCTURES	JULY 2022	3
CC-11 INTERNET TECHNOLOGIES	JAVASCRIPT	FUNCTIONS, EVENTS AND EVENT HANDLING	AUGUST 2022	4
CC-11 INTERNET TECHNOLOGIES	JDBC	JDBC FUNDAMENTALS, ESTABLISHING CONNECTIVITY AND WORKING WITH CONNECTION INTERFACE	AUGUST 2022	4
CC-11 INTERNET TECHNOLOGIES	JDBC	WORKING WITH STATEMENTS, CREATING AND EXECUTING SQL STATEMENTS	AUGUST 2022	4
CC-11 INTERNET TECHNOLOGIES	JDBC	WORKING WITH RESULT SET OBJECTS	AUGUST 2022	3
CC-11 INTERNET TECHNOLOGIES	JSP	INTRODUCTION TO JAVA SERVER PAGES, HTTP AND SERVLET BASICS, THE PROBLEM WITH SERVLETS	AUGUST 2022	6
CC-11 INTERNET TECHNOLOGIES	JSP	THE ANATOMY OF A JSP PAGE, JSP PROCESSING, JSP APPLICATION DESIGN WITH MVC, SETTING UP THE JSP ENVIRONMENT, IMPLICIT JSP OBJECTS	SEPTEMBER 2022	5
CC-11 INTERNET TECHNOLOGIES	JSP	CONDITIONAL PROCESSING, DISPLAYING VALUES, USING AN EXPRESSION TO SET AN ATTRIBUTE, DECLARING VARIABLES AND METHODS	SEPTEMBER 2022	3
CC-11 INTERNET TECHNOLOGIES	JSP	ERROR HANDLING AND DEBUGGING, SHARING DATA BETWEEN JSP PAGES, REQUESTS, AND USAGES	SEPTEMBER 2022	5
CC-11 INTERNET TECHNOLOGIES	JSP	DATABASE ACCESS	SEPTEMBER 2022	3
CC-11 INTERNET TECHNOLOGIES	JAVA BEANS	JAVA BEANS FUNDAMENTALS, CONNECTING TO DB	NOVEMBER 2022	4

CC-11 INTERNET TECHNOLOGIES	JAVA BEANS	JAR FILES, INTROSPECTION, DEVELOPING A SIMPLE BEAN	NOVEMBER 2022	2
CC-11 INTERNET TECHNOLOGIES	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		JULY 2022 – NOVEMBER 2022	12
CC-11 INTERNET TECHNOLOGIES	TOTAL CLASSES: THEORY + PRACTICAL			(50 + 12) = 62

CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER:RUMPA SETH				
DATE OF COMMENCEMENT OF CLASSES:09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: IV				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-10DATABASE MANAGEMENT SYSTEM	INTRODUCTION	CHARACTERISTICS OF DATABASE APPROACH AND DATA MODELS	MARCH 2023	2
CC-10DATABASE MANAGEMENT SYSTEM	INTRODUCTION	DATABASE SYSTEM ARCHITECTURE	MARCH 2023	2
CC-10DATABASE MANAGEMENT SYSTEM	INTRODUCTION	DATA INDEPENDENCE	MARCH 2023	3
CC-10DATABASE MANAGEMENT SYSTEM	ENTITY RELATIONSHIP (ER) MODELING	ENTITY TYPES AND RELATIONSHIPS	MARCH 2023	3
CC-10DATABASE MANAGEMENT SYSTEM	ENTITY RELATIONSHIP (ER) MODELING	RELATIONSHIP CONSTRAINTS	MARCH 2023	2
CC-10DATABASE MANAGEMENT SYSTEM	RELATIONAL DATA MODEL	RELATIONAL MODEL CONCEPTS	MARCH 2023	2
CC-10DATABASE MANAGEMENT SYSTEM	RELATIONAL DATA MODEL	RELATIONAL CONSTRAINTS	MARCH 2023	2
CC-10DATABASE MANAGEMENT SYSTEM	RELATIONAL DATA MODEL	RELATIONAL ALGEBRA	MARCH 2023	4
CC-10DATABASE MANAGEMENT SYSTEM	RELATIONAL DATA MODEL	SQL QUERIES	APRIL 2023	5
CC-10DATABASE MANAGEMENT SYSTEM	DATABASE DESIGN	MAPPING ER/EER MODEL TO RELATIONAL DATABASE	APRIL 2023	3
CC-10DATABASE MANAGEMENT SYSTEM	DATABASE DESIGN	FUNCTIONAL DEPENDENCIES	APRIL 2023	4
CC-10DATABASE MANAGEMENT SYSTEM	DATABASE DESIGN	LOSSLESS DECOMPOSITION	APRIL 2023	4
CC-10DATABASE MANAGEMENT SYSTEM	DATABASE DESIGN	NORMAL FORMS	MAY 2023	4
CC-10DATABASE MANAGEMENT SYSTEM	TRANSACTION PROCESSING	ACID PROPERTIES	MAY 2023	2
CC-10DATABASE MANAGEMENT SYSTEM	TRANSACTION PROCESSING	CONCURRENCY CONTROL & RECOVERY	MAY 2023	2

CC-10DATABASE MANAGEMENT SYSTEM	FILE STRUCTURE AND INDEXING	OPERATIONS ON FILES, FILE OF UNORDERED AND ORDERED RECORDS, OVERVIEW OF FILE ORGANIZATIONS	MAY 2023	3
CC-10DATABASE MANAGEMENT SYSTEM	FILE STRUCTURE AND INDEXING	INDEXING STRUCTURES FOR FILES AND MULTILEVEL INDEXING USING B AND B+ TREES	JUNE 2023	3
CC-10DATABASE MANAGEMENT SYSTEM	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		MARCH 2023 – YET TO BE DISSOLVED	25
CC-10DATABASE MANAGEMENT SYSTEM	TOTAL CLASSES: THEORY + PRACTICAL			(50 + 25) = 75

CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER: RUMPA SETH				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER-VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-4 PROJECT WORK / DISSERTATION	PROJECT PLANNING & DESIGN	PROJECT PLANNING & DESIGN	JANUARY 2023	5
DSE-4 PROJECT WORK / DISSERTATION	IMPLEMENTATION	IMPLEMENTATION	FEBRUARY - MARCH 2023	7
DSE-4 PROJECT WORK / DISSERTATION	TESTING	TESTING	APRIL 2023	5
DSE-4 PROJECT WORK / DISSERTATION	DOCUMENTATION	DOCUMENTATION	MAY 2023	3
DSE-4 PROJECT WORK / DISSERTATION	TOTAL CLASSES			20

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: COMPUTER APPLICATIONS IN BUSINESS				
NAME OF THE TEACHER: RUMPA SETH				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.COM COURSE TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	A) DEFINITION AND CHARACTERISTICS OF COMPUTER. GENERATIONS OF COMPUTER. CPU ORGANIZATION AND ARCHITECTURE: ARITHMETIC/LOGIC UNIT (ALU), CONTROL UNIT (CU)	JULY 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	B). MEMORY ORGANIZATION: MEMORY REPRESENTATION, CACHE MEMORY, PRIMARY MEMORY – RAM AND ROM. FUNCTIONS OF RAM AND ROM. DIFFERENT TYPES OF RAM AND ROM. SECONDARY MEMORY – MAGNETIC AND OPTICAL STORAGE DEVICES.	JULY 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	C) INPUT AND OUTPUT DEVICES: MAJOR TYPES AND THEIR FUNCTIONS.	AUGUST 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	D) OPERATING SYSTEM: CONCEPT, TYPES, FUNCTIONS.	AUGUST 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 2: NUMBER SYSTEM ANB BINARY ARITHMETIC AND LOGIC GATES	POSITIONAL NUMBER SYSTEM – DECIMAL, BINARY, OCTAL, HEXADECIMAL; BINARY ARITHMETIC – ADDITION, SUBTRACTION; NUMBER REPRESENTATION- ONE’S COMPLEMENT, TWO’S COMPLEMENT	AUGUST 2022	3

CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 2: NUMBER SYSTEM ANB BINARY ARITHMETIC AND LOGIC GATES	DIGITAL LOGIC GATES, TRUTH TABLE	AUGUST 2022	2
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 2: NUMBER SYSTEM ANB BINARY ARITHMETIC AND LOGIC GATES	LOGIC DIAGRAMS AND SIMPLIFIED CIRCUITS	SEPTEMBER 2022	3
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 3: INTERNET AND ITS APPLICATIONS	MEANING OF INTERNET, IP ADDRESS	SEPTEMBER 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 3: INTERNET AND ITS APPLICATIONS	URL, DOMAIN NAME SYSTEM, INTERNET PROTOCOLS – TCP/IP, UDP, FTP, TELNET	NOVEMBER 2022	2
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 3: INTERNET AND ITS APPLICATIONS	HTML, DHTML AND XML	NOVEMBER 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 4: INTRODUCTION TO DBMS	CONCEPTS OF DATABASE AND DATABASE MANAGEMENT SYSTEM (DBMS), COMPONENTS OF DATABASE MANAGEMENT SYSTEM (DBMS), DATA ABSTRACTION, ARCHITECTURE – THREE SCHEMA ARCHITECTURE	DECEMBER 2022	2
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 4: INTRODUCTION TO DBMS	DATA MODELS: HIERARCHICAL AND NETWORK	DECEMBER 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	UNIT 4: INTRODUCTION TO DBMS	RELATIONAL MODEL	DECEMBER 2022	1
CC-5 COMPUTER APPLICATIONS IN BUSINESS	TOTAL CLASSES: THEORY			20

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: COMMERCE				
NAME OF THE TEACHER: RUMPA SETH				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2022-2023			PROGRAMME: B.COM COURSE TYPE: GENERAL	
SEMESTER: IV				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	A) DEFINITION AND CHARACTERISTICS OF COMPUTER. GENERATIONS OF COMPUTER. CPU ORGANIZATION AND	MAR 2022	2

		ARCHITECTURE: ARITHMETIC/LOGIC UNIT (ALU), CONTROL UNIT (CU)		
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	B). MEMORY ORGANIZATION: MEMORY REPRESENTATION, CACHE MEMORY, PRIMARY MEMORY – RAM AND ROM. FUNCTIONS OF RAM AND ROM. DIFFERENT TYPES OF RAM AND ROM. SECONDARY MEMORY – MAGNETIC AND OPTICAL STORAGE DEVICES.	MAR 2022	3
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	C) INPUT AND OUTPUT DEVICES: MAJOR TYPES AND THEIR FUNCTIONS.	MAR 2022	1
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 1: COMPUTER BASICS	D) OPERATING SYSTEM: CONCEPT, TYPES, FUNCTIONS.	APRIL 2022	2
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 2: NUMBER SYSTEM AND BINARY ARITHMETIC	POSITIONAL NUMBER SYSTEM – DECIMAL, BINARY, OCTAL, HEXADECIMAL; BINARY ARITHMETIC – ADDITION, SUBTRACTION; NUMBER REPRESENTATION- ONE'S COMPLEMENT, TWO'S COMPLEMENT	APRIL 2022	4
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 3: INTERNET AND ITS APPLICATIONS	MEANING OF INTERNET, IP ADDRESS	APRIL 2022	2
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 3: INTERNET AND ITS APPLICATIONS	URL, DOMAIN NAME, INTERNET PROTOCOLS – TCP/IP, UDP, FTP, TELNET	MAY 2022	2
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 3: INTERNET AND ITS APPLICATIONS	HTML, DHTML AND XML	MAY 2022	2
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	UNIT 4: INTRODUCTION TO DBMS	CONCEPTS OF DATABASE AND DATABASE MANAGEMENT SYSTEM (DBMS), COMPONENTS OF DATABASE MANAGEMENT SYSTEM (DBMS), DATA ABSTRACTION, ARCHITECTURE – THREE SCHEMA ARCHITECTURE	JUNE 2022	2
SEC-2 COMPUTER APPLICATIONS IN BUSINESS	TOTAL CLASSES: THEORY			20

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER:RUPAN PANJA				
CC-5 DATA STRUCTURES	TOTAL CLASSES: THEORY + PRACTICAL			80
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES:26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 DATA STRUCTURES	Arrays	Single and Multi-dimensional Arrays	JULY 2022	2
CC-5 DATA STRUCTURES	Arrays	Sparse Matrices	JULY 2022	3
CC-5 DATA STRUCTURES	Stacks	Implementing Single and Multiple Stack	AUGUST 2022	2
CC-5 DATA STRUCTURES	Stacks	Prefix, Infix and Postfix expressions utility and interconversions	AUGUST 2022	1
CC-5 DATA STRUCTURES	Stacks	Applications of stack	AUGUST 2022	2
CC-5 DATA STRUCTURES	Linked Lists	Singly, Doubly and Circular Lists (Array and Linked representation)	AUGUST 2022	7
CC-5 DATA STRUCTURES	Linked Lists	Normal and Circular representation of Stack in Lists	AUGUST 2022	1
CC-5 DATA STRUCTURES	Linked Lists	Self-Organizing Lists and Skip Lists	AUGUST 2022	2
CC-5 DATA STRUCTURES	Queues	Array and Linked representation of Queue and De-queue	SEPTEMBER 2022	3
CC-5 DATA STRUCTURES	Queues	Priority Queues	SEPTEMBER 2022	1
CC-5 DATA STRUCTURES	Queues	Queue using Stack	SEPTEMBER 2022	1
CC-5 DATA STRUCTURES	Recursion	Conversion of simple programs to recursive version	SEPTEMBER 2022	2

CC-5 DATA STRUCTURES	Recursion	Advantages and Limitations of Recursion and internal stack implementation	SEPTEMBER 2022	1
CC-5 DATA STRUCTURES	Trees	Introduction to Tree as a data structure	SEPTEMBER 2022	1
CC-5 DATA STRUCTURES	Trees	Binary Trees (Insertion, Deletion , Recursive and Iterative Traversals on Binary Search Trees)	SEPTEMBER 2022	4
CC-5 DATA STRUCTURES	Trees	Binary Trees (Insertion, Deletion , Recursive and Iterative Traversals on Binary Search Trees)	NOVEMBER 2022	11
CC-5 DATA STRUCTURES	Trees	Threaded Binary Trees (Insertion, Deletion, Traversals)	DECEMBER 2022	4
CC-5 DATA STRUCTURES	Searching and Sorting	Linear Search, Binary Search, Comparison of Linear and Binary Search, Selection Sort, Bubble Sort	DECEMBER 2022	4
CC-5 DATA STRUCTURES	Searching and Sorting	Insertion Sort, Shell Sort, Comparison of Sorting Techniques	DECEMBER 2022	2
CC-5 DATA STRUCTURES	Hashing	Introduction to Hashing, Deleting from Hash Table, Efficiency of Rehash Methods, Hash Table Reordering, Resolving collision by Open Addressing	DECEMBER 2022	2
CC-5 DATA STRUCTURES	Hashing	Coalesced Hashing, Separate Chaining, Dynamic and Extendible Hashing, Choosing a Hash Function, Perfect Hashing Function	DECEMBER 2022	4
CC-5 DATA STRUCTURES	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		JULY 2022 – DECEMBER 2022	20
CC-5 DATA STRUCTURES	TOTAL CLASSES: THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-12 Theory of Computation	Languages	Alphabets, string, language, Basic Operations on language, Concatenation, KleeneStar	JULY 2022	8
CC-12 Theory of Computation	Finite Automata and Regular Languages	Regular Expressions, Transition Graphs, Deterministic and non-deterministic finite automata, NFA to DFA Conversion, Regular languages and their relationship with finite automata, Pumping lemma and closure properties of regular languages, Moore & Mealy Machines.	AUGUST 2022	20
CC-12 Theory of Computation	Context free languages	Context free grammars, parse trees, ambiguities in grammars and languages, Pushdown automata (Deterministic and Non-deterministic), Pumping Lemma, Properties of context free languages, normal forms.	SEPTEMBER 2022	17
CC-12 Theory of Computation	Turing Machines and Models of Computations	RAM, Turing Machine as a model of computation, Universal Turing Machine, Language acceptability, decidability, halting problem, Recursively enumerable and recursive languages, unsolvability problems.	NOVEMBER 2022	15
CC-12 Theory of Computation	TOTAL CLASSES: THEORY			60

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Introduction	Basic Design and Analysis techniques of Algorithms, Correctness of Algorithm	MARCH 2023	5
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Algorithm Design Techniques	Iterative techniques, Divide and Conquer (Karatsuba integer multiplication, Strassen’s matrix multiplication, etc.), Dynamic Programming (Convex hull, DFT & FFT), Greedy Algorithms (Knapsack, Denomination of notes/coins), Scheduling	MARCH 2023	8
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Sorting and Searching Techniques	Elementary sorting techniques– Merge Sort, Advanced Sorting techniques - Heap Sort, Quick Sort, Sorting in Linear Time - Bucket Sort, Radix Sort and Count Sort, Searching Techniques, Medians & Order Statistics, complexity analysis.	APRIL 2023	17
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Lower Bounding Techniques	Decision Trees	MAY 2023	2
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Balanced Trees	AVL Trees, Red-Black Trees	MAY 2023	10
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Advanced Analysis Technique	Amortized analysis	MAY 2023	5
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Graphs	Graph Algorithms–Breadth First Search, Depth First Search and its Applications, Minimum Spanning Trees (Prim, Kruskal), Shortest Paths (Dijkstra, Bellman-Ford, Floyd-Warshall).	JUNE 2023	5
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	String Processing	String Matching, Edit Distance, Document distance, Rabin-Karp, KMP, Boyer-Moore Techniques	JUNE 2023	5

CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	Cryptographic algorithms and Overview of complexity Classes	Basic cryptographic algorithms like DSA, RSA; P, NP, NP-Hard, NP-Complete	JULY 2023	2
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		MARCH 2023 – JULY 2023	20
CC-8 DESIGN AND ANALYSIS OF ALGORITHMS	TOTAL CLASSES : THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-3 SOFT COMPUTING	Introduction	Introduction to soft computing; introduction to fuzzy sets and fuzzy logic systems; introduction to biological and artificial neural network; introduction to Genetic Algorithm	FEBRUARY 2023	10
DSE-3 SOFT COMPUTING	Classical Sets and Fuzzy Sets and Fuzzy relations	Operations on Classical sets, properties of classical sets, Fuzzy set operations, properties of fuzzy sets, cardinality, operations, and properties of fuzzy relations	FEBRUARY 2023	2
DSE-3 SOFT COMPUTING	Membership functions	Features of membership functions, standard forms and boundaries, different fuzzification methods.	FEBRUARY 2023	3
DSE-3 SOFT COMPUTING	Fuzzy to Crisp conversions	Lambda Cuts for fuzzy sets, fuzzy Relations, Defuzzification methods	MARCH 2023	3
DSE-3 SOFT COMPUTING	Classical Logic and Fuzzy Logic	Classical predicate logic, Fuzzy Logic, Approximate reasoning and Fuzzy Implication	MARCH 2023	4

DSE-3 SOFT COMPUTING	Fuzzy Rule based Systems	Linguistic Hedges, Fuzzy Rule based system – Aggregation of fuzzy Rules, Fuzzy Inference System, Mamdani Fuzzy Models – Takagi-Sugeno Fuzzy Models	MARCH 2023	8
DSE-3 SOFT COMPUTING	Introduction to Neural Networks	Advent of Modern Neuroscience, Classical AI and Neural Networks, Biological Neurons and Artificial neural network; model of artificial neuron	APRIL 2023	3
DSE-3 SOFT COMPUTING	Learning Methods	Hebbian, competitive, Boltzman	APRIL 2023	2
DSE-3 SOFT COMPUTING	Neural Network models	Perceptron, Adaline and Madaline networks; single layer network; Delta rule and back-propagation; and multilayer networks	APRIL 2023	7
DSE-3 SOFT COMPUTING	Competitive learning networks	Kohonenself organizing networks (SOM), Hebbian learning; Hopfield Networks, Bidirectional Associative Memory (BAM).	MAY 2023	8
DSE-3 SOFT COMPUTING	Genetic Algorithms	Simple GA, crossover and mutation, Multi-objective Genetic Algorithm (MOGA)	MAY 2023 – JUNE 2023	10
DSE-3 SOFT COMPUTING	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		FEBRUARY 2023 – JUNE 2023	20
DSE-3 SOFT COMPUTING	TOTAL CLASSES : THEORY + PRACTICAL			80

CHANDERNAGORE COLLEGE
CURRICULUM PLAN
SUBJECT: COMPUTER SCIENCE
NAME OF THE TEACHER: SAMBUDDHA DAS

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022	DATE OF DISSOLUTION OF CLASSES: 09.02.2023
ACADEMIC SESSION: 2022-2023	PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS

SEMESTER: I

PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	INTRODUCTION TO C AND C++	HISTORY OF C AND C++, OVERVIEW OF PROCEDURAL PROGRAMMING AND OBJECT- ORIENTATION PROGRAMMING	AUGUST 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	INTRODUCTION TO C AND C++	USING MAIN() FUNCTION, COMPILING AND EXECUTING SIMPLE PROGRAMS IN C++	AUGUST 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	DATA TYPES, VARIABLES, CONSTANTS, OPERATORS AND BASIC I/O	DECLARING, DEFINING AND INITIALIZING VARIABLES, SCOPE OF VARIABLES, USING NAMED CONSTANTS, KEYWORDS, DATA TYPES	SEPTEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	DATA TYPES, VARIABLES, CONSTANTS, OPERATORS AND BASIC I/O	CASTING OF DATA TYPES, OPERATORS (ARITHMETIC, LOGICAL AND BITWISE), USING COMMENTS IN PROGRAMS, CHARACTER I/O (GETC, GETCHAR, PUTC, PUTCHARETC)	SEPTEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	DATA TYPES, VARIABLES, CONSTANTS, OPERATORS AND BASIC I/O	FORMATTED AND CONSOLE I/O (PRINTF(), SCANF(), CIN, COUT), USING BASIC HEADER FILES (STDIO.H, IOSTREAM.H, CONIO.H ETC)	SEPTEMBER 22	2

CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	EXPRESSIONS, CONDITIONAL STATEMENTS AND ITERATIVE STATEMENTS	SIMPLE EXPRESSIONS IN C++ (INCLUDING UNARY OPERATOR EXPRESSIONS, BINARY OPERATOR EXPRESSIONS)	SEPTEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	EXPRESSIONS, CONDITIONAL STATEMENTS AND ITERATIVE STATEMENTS	UNDERSTANDING OPERATORS PRECEDENCE IN EXPRESSIONS, CONDITIONAL STATEMENTS (IF CONSTRUCT, SWITCH-CASE CONSTRUCT)	SEPTEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	EXPRESSIONS, CONDITIONAL STATEMENTS AND ITERATIVE STATEMENTS	UNDERSTANDING SYNTAX AND UTILITY OF ITERATIVE STATEMENTS (WHILE, DO- WHILE, AND FOR LOOPS), USE OF BREAK AND CONTINUE IN LOOPS, USING NESTED STATEMENTS (CONDITIONAL AS WELL AS ITERATIVE)	SEPTEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FUNCTIONS AND ARRAYS	UTILITY OF FUNCTIONS, CALL BY VALUE, CALL BY REFERENCE, FUNCTIONS RETURNING VALUE, VOID FUNCTIONS, INLINE FUNCTIONS	SEPTEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FUNCTIONS AND ARRAYS	RETURN DATA TYPE OF FUNCTIONS, FUNCTIONS PARAMETERS, DIFFERENTIATING BETWEEN DECLARATION AND DEFINITION OF FUNCTIONS	OCTOBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FUNCTIONS AND ARRAYS	COMMAND LINE ARGUMENTS/PARAMETERS IN FUNCTIONS, FUNCTIONS WITH VARIABLE NUMBER OF ARGUMENTS	OCTOBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FUNCTIONS AND ARRAYS	CREATING AND USING ONE DIMENSIONAL ARRAYS (DECLARING AND DEFINING AN ARRAY, INITIALIZING AN ARRAY	NOVEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FUNCTIONS AND ARRAYS	ACCESSING INDIVIDUAL ELEMENTS IN AN ARRAY, MANIPULATING ARRAY ELEMENTS USING LOOPS)	NOVEMBER 22	2

CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FUNCTIONS AND ARRAYS	USE VARIOUS TYPES OF ARRAYS (INTEGER, FLOAT AND CHARACTER ARRAYS / STRINGS) TWO DIMENSIONAL ARRAYS (DECLARING, DEFINING AND INITIALIZING TWO DIMENSIONAL ARRAY	NOVEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FUNCTIONS AND ARRAYS	WORKING WITH ROWS AND COLUMNS), INTRODUCTION TO MULTI-DIMENSIONAL ARRAYS	NOVEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	DERIVED DATA TYPES (STRUCTURES AND UNIONS)	UNDERSTANDING UTILITY OF STRUCTURES AND UNIONS, DECLARING, INITIALIZING AND USING SIMPLE STRUCTURES AND UNIONS	NOVEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	DERIVED DATA TYPES (STRUCTURES AND UNIONS)	MANIPULATING INDIVIDUAL MEMBERS OF STRUCTURES AND UNIONS, ARRAY OF STRUCTURES, INDIVIDUAL DATA MEMBERS AS STRUCTURES	NOVEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	DERIVED DATA TYPES (STRUCTURES AND UNIONS)	PASSING AND RETURNING STRUCTURES FROM FUNCTIONS, STRUCTURE WITH UNION AS MEMBERS, UNION WITH STRUCTURES AS MEMBERS	NOVEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	POINTERS AND REFERENCES IN C++	UNDERSTANDING A POINTER VARIABLE, SIMPLE USE OF POINTERS (DECLARING AND DEREFERENCING POINTERS TO SIMPLE VARIABLES)	NOVEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	POINTERS AND REFERENCES IN C++	POINTERS TO POINTERS, POINTERS TO STRUCTURES, PROBLEMS WITH 11 POINTERS, PASSING POINTERS AS FUNCTION ARGUMENTS	DECEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	POINTERS AND REFERENCES IN C++	RETURNING A POINTER FROM A FUNCTION, USING ARRAYS AS POINTERS, PASSING ARRAYS TO FUNCTIONS. POINTERS VS. REFERENCES	DECEMBER 22	2

CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	POINTERS AND REFERENCES IN C++	DECLARING AND INITIALIZING REFERENCES, USING REFERENCES AS FUNCTION ARGUMENTS AND FUNCTION RETURN VALUES	DECEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	MEMORY ALLOCATION IN C++	DIFFERENTIATING BETWEEN STATIC AND DYNAMIC MEMORY ALLOCATION, USE OF MALLOC, CALLOC AND FREE FUNCTIONS	DECEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	MEMORY ALLOCATION IN C++	USE OF NEW AND DELETE OPERATORS, STORAGE OF VARIABLES IN STATIC AND DYNAMIC MEMORY ALLOCATION	DECEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FILE I/O, PREPROCESSOR DIRECTIVES	OPENING AND CLOSING A FILE (USE OF FSTREAM HEADER FILE, IFSTREAM, OFSTREAM AND FSTREAM CLASSES), READING AND WRITING TEXT FILES, USING PUT(), GET(), READ() AND WRITE() FUNCTIONS	DECEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	FILE I/O, PREPROCESSOR DIRECTIVES	RANDOM ACCESS IN FILES, UNDERSTANDING THE PREPROCESSOR DIRECTIVES (#INCLUDE, #DEFINE, #ERROR, #IF, #ELSE, #ELIF, #ENDIF, #IFDEF, #IFNDEF AND #UNDEF), MACROS	DECEMBER 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	USING CLASSES IN C++	PRINCIPLES OF OBJECT- ORIENTED PROGRAMMING, DEFINING & USING CLASSES, CLASS CONSTRUCTORS, CONSTRUCTOR OVERLOADING, FUNCTION OVERLOADING IN CLASSES	JANUARY 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	USING CLASSES IN C++	CLASS VARIABLES &FUNCTIONS, OBJECTS AS PARAMETERS, SPECIFYING THE PROTECTED AND PRIVATE ACCESS, COPY CONSTRUCTORS,	JANUARY 22	2

		OVERVIEW OF TEMPLATE CLASSES AND THEIR USE		
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	OVERVIEW OF FUNCTION OVERLOADING AND OPERATOR OVERLOADING	NEED OF OVERLOADING FUNCTIONS AND OPERATORS, OVERLOADING FUNCTIONS BY NUMBER AND TYPE OF ARGUMENTS	JANUARY 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	OVERVIEW OF FUNCTION OVERLOADING AND OPERATOR OVERLOADING	LOOKING AT AN OPERATOR AS A FUNCTION CALL, OVERLOADING OPERATORS (INCLUDING ASSIGNMENT OPERATORS, UNARY OPERATORS)	JANUARY 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	INHERITANCE, POLYMORPHISM AND EXCEPTION HANDLING	INTRODUCTION TO INHERITANCE (MULTI-LEVEL INHERITANCE, MULTIPLE INHERITANCE), POLYMORPHISM (VIRTUAL FUNCTIONS, PURE VIRTUAL FUNCTIONS)	FEBRUARY 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	INHERITANCE, POLYMORPHISM AND EXCEPTION HANDLING	BASICS EXCEPTIONAL HANDLING (USING CATCH AND THROW, MULTIPLE CATCH STATEMENTS), CATCHING ALL EXCEPTIONS, RESTRICTING EXCEPTIONS, RETHROWING EXCEPTIONS	FEBRUARY 22	2
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		AUGUST 2022 – FEBRUARY 2023	20
CC – 1 PROGRAMMING FUNDAMENTALS USING C / C++	TOTAL CLASSES: THEORY + PRACTICAL			84

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE – 1 MICROPROCESSORS	MICROPROCESSOR ARCHITECTURE	INTERNAL ARCHITECTURE	JULY 22	8
DSE – 1 MICROPROCESSORS	MICROPROCESSOR ARCHITECTURE	SYSTEM BUS ARCHITECTURE	AUGUST 22	8
DSE – 1 MICROPROCESSORS	MICROPROCESSOR ARCHITECTURE	MEMORY AND I/O INTERFACES	AUGUST 22	4
DSE – 1 MICROPROCESSORS	MICROPROCESSOR PROGRAMMING	REGISTER ORGANIZATION	AUGUST 22	4
DSE – 1 MICROPROCESSORS	MICROPROCESSOR PROGRAMMING	INSTRUCTION FORMATS	SEPTEMBER 22	6
DSE – 1 MICROPROCESSORS	MICROPROCESSOR PROGRAMMING	ASSEMBLY LANGUAGE PROGRAMMING	SEPTEMBER 22	6
DSE – 1 MICROPROCESSORS	INTERFACING	MEMORY ADDRESS DECODING	SEPTEMBER 22	2
DSE – 1 MICROPROCESSORS	INTERFACING	CACHE MEMORY AND CACHE CONTROLLERS	OCTOBER 22	4
DSE – 1 MICROPROCESSORS	INTERFACING	I/O INTERFACE, KEYBOARD, DISPLAY, TIMER	OCTOBER 22	6

DSE – 1 MICROPROCESSORS	INTERFACING	INTERRUPT CONTROLLER	NOVEMBER 22	4
DSE – 1 MICROPROCESSORS	INTERFACING	DMA CONTROLLER, VIDEO CONTROLLERS	NOVEMBER 22	4
DSE – 1 MICROPROCESSORS	INTERFACING	COMMUNICATION INTERFACES	NOVEMBER 22	4
DSE – 1 MICROPROCESSORS	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		JULY 2022 – NOVEMBER 2022	20
DSE – 1 MICROPROCESSORS	TOTAL CLASSES: THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – 9 SOFTWARE ENGINEERING	INTRODUCTION	THE EVOLVING ROLE OF SOFTWARE, SOFTWARE CHARACTERISTICS	MARCH 2023	2
CC – 9 SOFTWARE ENGINEERING	INTRODUCTION	CHANGING NATURE OF SOFTWARE, SOFTWARE ENGINEERING AS A LAYERED TECHNOLOGY	MARCH 2023	2
CC – 9 SOFTWARE ENGINEERING	INTRODUCTION	SOFTWARE PROCESS FRAMEWORK, FRAMEWORK AND UMBRELLA ACTIVITIES	MARCH 2023	2
CC – 9 SOFTWARE ENGINEERING	INTRODUCTION	PROCESS MODELS, CAPABILITY MATURITY MODEL INTEGRATION (CMMI)	MARCH 2023	2
CC – 9 SOFTWARE ENGINEERING	REQUIREMENT ANALYSIS	BASICS OF SOFTWARE REQUIREMENT ANALYSIS	MARCH 2023	2
CC – 9 SOFTWARE ENGINEERING	REQUIREMENT ANALYSIS	INITIATING REQUIREMENT ENGINEERING PROCESS	MARCH 2023	2
CC – 9 SOFTWARE ENGINEERING	REQUIREMENT ANALYSIS	REQUIREMENT ANALYSIS AND MODELLING TECHNIQUES,	MARCH 2023	2
CC – 9 SOFTWARE ENGINEERING	REQUIREMENT ANALYSIS	FLOW ORIENTED MODELLING	APRIL 2023	2
CC – 9 SOFTWARE ENGINEERING	REQUIREMENT ANALYSIS	NEED FOR SRS, CHARACTERISTICS AND COMPONENTS OF SRS	APRIL 2023	2

CC – 9 SOFTWARE ENGINEERING	SOFTWARE PROJECT MANAGEMENT	ESTIMATION IN PROJECT PLANNING PROCESS	APRIL 2023	4
CC – 9 SOFTWARE ENGINEERING	SOFTWARE PROJECT MANAGEMENT	PROJECT SCHEDULING	APRIL 2023	2
CC – 9 SOFTWARE ENGINEERING	RISK MANAGEMENT	SOFTWARE RISKS	APRIL 2023	2
CC – 9 SOFTWARE ENGINEERING	RISK MANAGEMENT	RISK IDENTIFICATION	APRIL 2023	2
CC – 9 SOFTWARE ENGINEERING	RISK MANAGEMENT	RISK PROJECTION AND RISK REFINEMENT	MAY 2023	2
CC – 9 SOFTWARE ENGINEERING	RISK MANAGEMENT	RMMM PLAN	MAY 2023	2
CC – 9 SOFTWARE ENGINEERING	QUALITY MANAGEMENT	QUALITY CONCEPTS	MAY 2023	2
CC – 9 SOFTWARE ENGINEERING	QUALITY MANAGEMENT	SOFTWARE QUALITY ASSURANCE	MAY 2023	2
CC – 9 SOFTWARE ENGINEERING	QUALITY MANAGEMENT	SOFTWARE REVIEWS	MAY 2023	2
CC – 9 SOFTWARE ENGINEERING	QUALITY MANAGEMENT	METRICS FOR PROCESS AND PROJECTS	MAY 2023	2
CC – 9 SOFTWARE ENGINEERING	DESIGN ENGINEERING	DESIGN CONCEPTS, ARCHITECTURAL DESIGN ELEMENTS, SOFTWARE ARCHITECTURE	MAY 2023	2
CC – 9 SOFTWARE ENGINEERING	DESIGN ENGINEERING	DATA DESIGN AT THE ARCHITECTURAL LEVEL AND COMPONENT LEVEL	MAY 2023	2

CC – 9 SOFTWARE ENGINEERING	DESIGN ENGINEERING	MAPPING OF DATA FLOW INTO SOFTWARE ARCHITECTURE	JUNE 2023	2
CC – 9 SOFTWARE ENGINEERING	DESIGN ENGINEERING	MODELLING COMPONENT LEVEL DESIGN	JUNE 2023	2
CC – 9 SOFTWARE ENGINEERING	TESTING STRATEGIES & TACTICS	SOFTWARE TESTING FUNDAMENTALS	JUNE 2023	2
CC – 9 SOFTWARE ENGINEERING	TESTING STRATEGIES & TACTICS	STRATEGIC APPROACH TO SOFTWARE TESTING	JUNE 2023	2
CC – 9 SOFTWARE ENGINEERING	TESTING STRATEGIES & TACTICS	TEST STRATEGIES FOR CONVENTIONAL SOFTWARE	JUNE 2023	2
CC – 9 SOFTWARE ENGINEERING	TESTING STRATEGIES & TACTICS	VALIDATION TESTING, SYSTEM TESTING	JULY 2023	2
CC – 9 SOFTWARE ENGINEERING	TESTING STRATEGIES & TACTICS	BLACK-BOX TESTING, WHITE-BOX	JULY 2023	2
CC – 9 SOFTWARE ENGINEERING	TESTING STRATEGIES & TACTICS	TESTING AND THEIR TYPE, BASIS PATH TESTING	JULY 2023	2
CC – 9 SOFTWARE ENGINEERING	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		MARCH 2023 – JULY 2023	20
CC – 9 SOFTWARE ENGINEERING	TOTAL CLASSES: THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 01.02. 2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – 13 ARTIFICIAL INTELLIGENCE	INTRODUCTION	INTRODUCTION TO ARTIFICIAL INTELLIGENCE, BACKGROUND AND APPLICATIONS	FEBRUARY 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	INTRODUCTION	TURING TEST AND RATIONAL AGENT APPROACHES TO AI, INTRODUCTION TO INTELLIGENT AGENTS	FEBRUARY 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	INTRODUCTION	THEIR STRUCTURE, BEHAVIOUR AND ENVIRONMENT	FEBRUARY 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	PROBLEM SOLVING AND SEARCHING TECHNIQUES	PROBLEM CHARACTERISTICS, PRODUCTION SYSTEMS, CONTROL STRATEGIES	FEBRUARY 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	PROBLEM SOLVING AND SEARCHING TECHNIQUES	BREADTH FIRST SEARCH, DEPTH FIRST SEARCH,	FEBRUARY 2023	4
CC – 13 ARTIFICIAL INTELLIGENCE	PROBLEM SOLVING AND SEARCHING TECHNIQUES	HILL CLIMBING AND ITS VARIATIONS, HEURISTICS SEARCH TECHNIQUES:	MARCH 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	PROBLEM SOLVING AND SEARCHING TECHNIQUES	BEST FIRST SEARCH, A* ALGORITHM	MARCH 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	PROBLEM SOLVING AND SEARCHING TECHNIQUES	CONSTRAINT SATISFACTION PROBLEM, MEANS-END ANALYSIS	MARCH 2023	2
CC – 13 ARTIFICIAL	PROBLEM SOLVING AND	INTRODUCTION TO GAME	MARCH 2023	2

INTELLIGENCE	SEARCHING TECHNIQUES	PLAYING, MIN-MAX AND ALPHA-BETA PRUNING ALGORITHMS		
CC – 13 ARTIFICIAL INTELLIGENCE	KNOWLEDGE REPRESENTATION	INTRODUCTION TO FIRST ORDER PREDICATE LOGIC, RESOLUTION PRINCIPLE	MARCH 2023	4
CC – 13 ARTIFICIAL INTELLIGENCE	KNOWLEDGE REPRESENTATION	RESOLUTION PRINCIPLE, UNIFICATION, SEMANTIC NETS	MARCH 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	KNOWLEDGE REPRESENTATION	CONCEPTUAL DEPENDENCIES	APRIL 202	2
CC – 13 ARTIFICIAL INTELLIGENCE	KNOWLEDGE REPRESENTATION	FRAMES, AND SCRIPTS	APRIL 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	KNOWLEDGE REPRESENTATION	PROGRAMMING IN LOGIC (PROLOG) / LISP	APRIL 2023	10
CC – 13 ARTIFICIAL INTELLIGENCE	DEALING WITH UNCERTAINTY AND INCONSISTENCIES	TRUTH MAINTENANCE SYSTEM, DEFAULT REASONING	MAY 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	DEALING WITH UNCERTAINTY AND INCONSISTENCIES	PROBABILISTIC REASONING	MAY 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	DEALING WITH UNCERTAINTY AND INCONSISTENCIES	BAYESIAN PROBABILISTIC INFERENCE, POSSIBLE WORLD REPRESENTATIONS	MAY 2023	2
CC – 13 ARTIFICIAL INTELLIGENCE	UNDERSTANDING NATURAL LANGUAGES	PARSING TECHNIQUES	MAY 2023	6
CC – 13 ARTIFICIAL INTELLIGENCE	UNDERSTANDING NATURAL LANGUAGES	CONTEXT-FREE AND TRANSFORMATIONAL GRAMMARS	MAY 2023	4
CC – 13 ARTIFICIAL INTELLIGENCE	UNDERSTANDING NATURAL LANGUAGES	RECURSIVE AND AUGMENTED TRANSITION NETS.	JUNE 2023	4

CC – 13 ARTIFICIAL INTELLIGENCE	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES	FEBRUARY 2023 – JUNE 2023	20
CC – 13 ARTIFICIAL INTELLIGENCE	TOTAL CLASSES: THEORY + PRACTICAL		80

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: COMPUTER SCIENCE				
NAME OF THE TEACHER: SANTOSH KUMAR SHARMA				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-2 Computer System Architecture	INTRODUCTION	BASICS AND DEFINITION	JULY 2022	2
CC-2 Computer System Architecture	INTRODUCTION	Logic gates, Boolean algebra, combinational circuits, circuit simplification,	JULY 2022	2
CC-2 Computer System Architecture	INTRODUCTION	flip-flops and sequential circuits,	JULY 2022	2
CC-2 Computer System Architecture	INTRODUCTION	decoders, multiplexers,	AUGUST 2022	2
CC-2 Computer System Architecture	INTRODUCTION	registers, counters and memory units.	AUGUST 2022	2
CC-2 Computer System Architecture	Data Representation and Basic Computer Arithmetic	Number systems, complements, fixed and floating point representation,	AUGUST 2022	2
CC-2 Computer System Architecture	Data Representation and Basic Computer Arithmetic	character representation, addition, subtraction, magnitude comparison,;	AUGUST 2022	4
CC-2 Computer System Architecture	Data Representation and Basic Computer Arithmetic	multiplication and division algorithms for integers	AUGUST 2022	6
CC-2 Computer System Architecture	Basic Computer Organization and Design	Computer registers, bus system, instruction set, timing and control,	SEPTEMBER 2022	4
CC-2 Computer System Architecture	Basic Computer Organization and Design	instruction cycle, memory reference, input-output and interrupt,	SEPTEMBER 2022	4
CC-2 Computer System Architecture	Basic Computer Organization and Design	Interconnection Structures, Bus	SEPTEMBER 2022	4

		Interconnection design of basic computer.		
CC-2 Computer System Architecture	Central Processing Unit	Register organization, arithmetic and logical micro-operations, stack organization	SEPTEMBER 2022	4
CC-2 Computer System Architecture	Central Processing Unit	Micro programmed control. Instruction formats,	NOVEMBER 2022	4
CC-2 Computer System Architecture	Central Processing Unit	addressing modes, instruction codes, machine language, assembly language, input output programming,	NOVEMBER 2022	4
CC-2 Computer System Architecture	Central Processing Unit	RISC, CISC architectures, pipelining and parallel architecture.	NOVEMBER 2022	2
CC-2 Computer System Architecture	Memory Organization	Cache memory, Associative memory, mapping.	DECEMBER 2022	4
CC-2 Computer System Architecture	Input-Output Organization	Input / Output: External Devices, I/O Modules	DECEMBER 2022	2
CC-2 Computer System Architecture	Input-Output Organization	Programmed I/O, Interrupt-Driven I/O,	DECEMBER 2022	2
CC-2 Computer System Architecture	Input-Output Organization	Direct Memory Access, I/O Channels.	DECEMBER 2022	2
CC-6 OPERATING SYSTEMS	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		JULY 2022 – DECEMBER 2022	30
CC-6 OPERATING SYSTEMS	TOTAL CLASSES : THEORY + PRACTICAL			80

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER-III				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
SEC-1: Programming in Python	Planning the Computer Program:	Concept of problem solving, Problem definition, Program design, Debugging,	JULY 2022	1
SEC-1: Programming in Python	Planning the Computer Program:	Types of errors in programming, Documentation	JULY 2022	1
SEC-1: Programming in Python	Techniques of Problem Solving:	Flowcharting, decision table, algorithms, Structured programming concepts,	JULY 2022	1
SEC-1: Programming in Python	Techniques of Problem Solving:	Programming methodologies viz. top-down and bottom-up programming.	JULY 2022	1
SEC-1: Programming in Python	Overview of Programming:	Structure of a Python Program, Elements of Python	JULY 2022	1
SEC-1: Programming in Python	Overview of Programming:	Structure of a Python Program, Elements of Python	AUGUST 2022	1
SEC-1: Programming in Python	I Overview of Programming:	Structure of a Python Program, Elements of Python	AUGUST 2022	1
SEC-1: Programming in Python	Introduction to Python:	Python Interpreter, Using Python as calculator	AUGUST 2022	1
SEC-1: Programming in Python	Introduction to Python:	Python shell, Indentation. Atoms, Identifiers and keywords,	AUGUST 2022	1
SEC-1: Programming in Python	Introduction to Python:	Literals, Strings, Operators(Arithmetic operator, Relational operator, Logical or Boolean operator,	AUGUST 2022	1
SEC-1: Programming in Python	Introduction to Python:	Assignment, Operator, Ternary operator, Bit wise operator, Increment or Decrement operator).	AUGUST 2022	1
SEC-1: Programming in Python	Creating Python Programs	Input and Output Statements,	SEPTEMBER 2022	1

SEC-1: Programming in Python	Creating Python Programs	Control statements (Branching, Looping, Conditional Statement, Exit function, Difference between break, continue and pass.),	SEPTEMBER 2022	1
SEC-1: Programming in Python	Creating Python Programs	Defining Functions,	NOVEMBER 2022	1
SEC-1: Programming in Python	Creating Python Programs	default arguments	NOVEMBER 2022	1
SEC-1: Programming in Python	ALL UNITS AND SUB-UNITS PRACTICAL CLASSES		JULY 2022 – NOVEMBER 2022	30
SEC-1: Programming in Python	TOTAL CLASSES : THEORY + PRACTICAL			45

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-4 Discrete Structures	Introduction	Sets - finite and Infinite sets, uncountably Infinite Sets;	MARCH 2023	3
CC-4 Discrete Structures	Introduction	functions, relations, Properties of Binary Relations, Closure, Partial Ordering Relation	MARCH 2023	4
CC-4 Discrete Structures	Introduction	counting - Pigeonhole Principle, Permutation	MARCH 2023	2
CC-4 Discrete Structures	Introduction	Combination; Mathematical Induction,	MARCH 2023	2

CC-4 Discrete Structures	Introduction	Principle of Inclusion and Exclusion.	MARCH 2023	1
CC-4 Discrete Structures	Growth of Functions:	Asymptotic Notations,	MARCH 2023	2
CC-4 Discrete Structures	Growth of Functions:	Summation formulas and properties,	APRIL 2023	2
CC-4 Discrete Structures	Growth of Functions:	Bounding Summations,.	APRIL 2023	2
CC-4 Discrete Structures	Growth of Functions:	approximation by Integrals	APRIL 2023	2
CC-4 Discrete Structures	Recurrences:	Recurrence Relations, Generating functions	APRIL 2023	2
CC-4 Discrete Structures	Recurrences:	Linear Recurrence Relations with constant coefficients and their solution,	APRIL 2023	2
CC-4 Discrete Structures	Recurrences:	Substitution Method,	APRIL 2023	2
CC-4 Discrete Structures	Recurrences:	Recurrence Trees	APRIL 2023	2
CC-4 Discrete Structures	Recurrences:	Master Theorem.	APRIL 2023	2
CC-4 Discrete Structures	Graph Theory:	Basic Terminology, Models and Types, multi-graphs and weighted graphs, Graph Representation,	MAY 2023	4

CC-4 Discrete Structures	Graph Theory:	Graph Isomorphism, Connectivity, Euler and Hamiltonian Paths and Circuits, Planar Graphs,	MAY 2023	4
CC-4 Discrete Structures	Graph Theory:	Graph Coloring, Trees,	MAY 2023	2
CC-4 Discrete Structures	Graph Theory:	Basic Terminology and properties of Trees,	MAY 2023	3
CC-4 Discrete Structures	Graph Theory:	Introduction to Spanning Trees.	MAY 2023	2
CC-4 Discrete Structures	Propositional Logic:	Logical Connectives,	JUNE 2023	3
CC-4 Discrete Structures	Propositional Logic:	Well-formed Formulas	JUNE 2023	2
CC-4 Discrete Structures	Propositional Logic:	Tautologies,	JUNE 2023	3
CC-4 Discrete Structures	Propositional Logic:	Equivalences, Inference Theory.	JUNE 2023	3
CC-4 Discrete Structures	ALL UNITS AND SUB-UNITS Tutorial L CLASSES		JUNE 2023	2
CC-4 Discrete Structures	Introduction	Sets - finite and Infinite sets, uncountably Infinite Sets;	JULY 2023	2
CC-4 Discrete Structures	ALL UNITS AND SUB-UNITS Tutorial L CLASSES		MARCH 2023 – JULY 2023	10

CC-4 Discrete Structures	TOTAL CLASSES : THEORY + PRACTICAL	70

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		PROGRAMME : B.SC. HONOURS IN COMPUTER SCIENCE COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-4 Project Work / Dissertation	project proposal	project proposal	FEBRUARY 2023	1
DSE-4 Project Work / Dissertation	Approval of Project	Approval of Project	FEBRUARY 2023	1
DSE-4 Project Work / Dissertation	Project Report	First Project Report	FEBRUARY 2023	4
DSE-4 Project Work / Dissertation	Project Report	Second Project Report	FEBRUARY 2023	4
DSE-4 Project Work / Dissertation	Project Report	Third Project Report	FEBRUARY 2023	3
DSE-4 Project Work / Dissertation	Project Report	Final Project Report	MARCH 2023	6
DSE-4 Project Work / Dissertation	PRACTICAL		FEBRUARY 2023 – JUNE 2023	20
DSE-4 Project Work / Dissertation	TOTAL CLASSES : THEORY + PRACTICAL			29

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ZOOLOGY				
NAME OF THE TEACHER: SARMISTHA BANIK				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN ZOOLOGY COURSE TYPE: HONOURS/GENERAL/GENERIC		
SEMESTER: III (HONOURS)				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
CC-5 Chordates	Unit 10: Zoogeography	Zoogeographical Realms. Plate Tectonic, Continental Drift Theory, Distribution of Birds and Mammals in different Realms	JULY 2022	3
CC-7 Fundamentals of Biochemistry	Unit 03: Proteins	Amino acids: Structure and Classification	AUGUST 2022	2
CC-7 Fundamentals of Biochemistry	Unit 03: Proteins	General and electrochemical properties of alpha amino acids, the importance of essential and non-essential amino acids	AUGUST 2022	2
CC-7 Fundamentals of Biochemistry	Unit 03: Proteins	Bonds stabilising protein structure; levels of organisations.	AUGUST 2022	2
CC-7 Fundamentals of Biochemistry	Unit 03: Proteins	Protein metabolism; transamination, deamination, urea cycle.	SEPTEMBER 2022	3
CC-7 Fundamentals of Biochemistry	Unit 03: Proteins	Fate of C-skeleton of glucogenic and ketogenic amino acids	SEPTEMBER 2022	2
CCP6 Animal Physiology	Identification of Histological preparation of mammalian cartilage, bone, pituitary, liver (photomicrograph)		AUGUST 2022	2
CCP6 Animal Physiology	Identification of Histological preparation of mammalian kidney, intestine, lung, and pancreas (photomicrograph)		AUGUST 2022	2
CCP6 Animal Physiology	Identification of Histological preparation of mammalian testis, ovary, adrenal and thyroid (photomicrograph)		SEPTEMBER 2022	2
TOTAL CLASSES: THEORY + PRACTICAL				20

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN ZOOLOGY COURSE TYPE: HONOURS/GENERAL/GENERIC		
SEMESTER-V (HONOURS)				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
CC-11 Molecular Biology	Unit 02 DNA Replication	Mechanism of DNA replication in prokaryotes	JULY 2022	2
CC-11 Molecular Biology	Unit 02 DNA Replication	Semiconservative bidirectional and discontinuous replication	JULY 2022	2
CC-11 Molecular Biology	Unit 02 DNA Replication	RNA Priming, replication of telomere	JULY 2022	2
CC-11 Molecular Biology	Unit 04 Translation	Mechanism of protein synthesis in prokaryotes	JULY 2022	2
CC-11 Molecular Biology	Unit 04 Translation	Ribosome structure and assembly in prokaryotes, amino-actyl tRNA synthetase and charging of tRNA	JULY 2022	3
CC-11 Molecular Biology	Unit 04 Translation	Proteins involved in initiation, elongation and termination of polypeptide chains	AUGUST 2022	3
CC-11 Molecular Biology	Unit 04 Translation	Genetic code, Wobble hypothesis	AUGUST 2022	4
CC-11 Molecular Biology	Unit 04 Translation	Inhibitors of protein synthesis, the difference between prokaryotic and eukaryotic translation	AUGUST 2022	3
CC-11 Molecular Biology	Unit 07 DNA repair mechanism	Types, RecBCD model in prokaryotes, nucleotide and base excision repair, SOS repair	AUGUST 2022	3
CC12- Genetics	Unit 01 Mendelian Genetics	Principles of Inheritance, Incomplete dominance and codominance, epistasis	AUGUST 2022	4
CC12- Genetics	Unit 01 Mendelian Genetics	Multiple alleles, Lethal alleles, Pleiotropy,	AUGUST 2022	3
CC12- Genetics	Unit 01 Mendelian Genetics	Sex-linked, Sex-influenced and Sex-limited Inheritance, Polygenic inheritance	SEPTEMBER 2022	4
CC12- Genetics	Unit 03 Mutation	Types of mutations (Classification)	SEPTEMBER 2022	1
CC12- Genetics	Unit 03 Mutation	Types of chromosomal aberrations	SEPTEMBER 2022	4

CC12- Genetics	Unit 03 Mutation	Non-disjunction and variation in chromosomal	SEPTEMBER 2022	2
CC12- Genetics	Unit 03 Mutation	Molecular basis of mutation in relation to UV light and chemical mutagens	SEPTEMBER 2022	3
CC-P12 Genetics Lab	Practical (Lab) Course	Chi-Square Analysis	SEPTEMBER 2022	3
CC-P12 Genetics Lab	Practical (Lab) Course	Identification of chromosomal aberrations in Drosophila (Inversion, Ring Chromosome etc.)	SEPTEMBER 2022	3
CC-P12 Genetics Lab	Practical (Lab) Course	Study of human karyotype- Normal and abnormal (Down, Klinefelter, Turner, Cri-du-Chat)	NOVEMBER 2022	2
CC-P12 Pedigree Analysis	Practical (Lab) Course	Pedigree analysis of human inherited traits (X-linked dominant and recessive)	NOVEMBER 2022	5
CC-P12 Pedigree Analysis	Practical (Lab) Course	Pedigree analysis of human inherited traits (Autosomal dominant and recessive)	NOVEMBER 2022	2
	TOTAL CLASSES: THEORY + PRACTICAL			60

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN ZOOLOGY COURSE TYPE: HONOURS/GENERAL/GENERIC		
SEMESTER: II (HONOURS)				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
CC-4 Cell Biology	Unit 07: Cell Division	Cell Cycle and its regulation	MARCH 2023	3
CC-4 Cell Biology	Unit 07: Cell Division	Cancer: Concept of oncogenes and tumour suppressor genes with special reference to P53	MARCH 2023	4
CC-4 Cell Biology	Unit 07: Cell Division	Retinoblastoma, RAS and APC genes	APRIL 2023	3
CC-4 Cell Biology	Unit 08: Cell Signalling	Cell interactions, apoptosis and necrosis	APRIL 2023	2
CC-P4 Cell Biology	Practical (Lab) Course	Preparation of temporary stained, squash of onion root tip to study various stages of mitosis.	MARCH 2023	4
CC-P4 Cell Biology	Practical (Lab) Course	Squash preparation of grasshopper testis and staining to study various stages of meiosis.	APRIL 2023	4
	TOTAL CLASSES: THEORY + PRACTICAL			20

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		PROGRAMM: B.SC. HONOURS IN ZOOLOGY COURSE TYPE: HONOURS/GENERAL/GENERIC		
SEMESTER: VI (HONOURS)				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
CC14 Evolutionary Biology	Unit 01	Chemogeny, RNA world, Biogeny	FEBRUARY 2023	3
CC14 Evolutionary Biology	Unit 01	Origin of Photosynthesis, Evolution of Eukaryotes	FEBRUARY 2023	2
CC14 Evolutionary Biology	Unit 02	Historical Review of Evolutionary Concept, Lamarckism	FEBRUARY 2023	2
CC14 Evolutionary Biology	Unit 02	Darwinism and Neo-Darwinism	MARCH 2023	3
CC14 Evolutionary Biology	Unit 03	Geological Time Scale	MARCH 2023	2
CC14 Evolutionary Biology	Unit 03	Fossil records of Hominids	MARCH 2023	4
CC14 Evolutionary Biology	Unit 03	Evolution of Horse	APRIL 2023	2
CC14 Evolutionary Biology	Unit 03	Natural Theory of molecular evolution, Molecular clock	APRIL 2023	4
CC14 Evolutionary Biology	Unit 04	Sources of variations	APRIL 2023	2
CC14 Evolutionary Biology	Unit 04	Heritable Variations and its role in evolution	MAY 2023	2
CCP14 Evolutionary Biology Lab	Study of fossils from models/ pictures		APRIL 2023	2
CCP14 Evolutionary Biology Lab	Verification of Hardy Weinberg Law by Chi-Square analysis		MAY 2023	4
CC-14 COMPUTER GRAPHICS	TOTAL CLASS: THEORY + PRACTICAL			40

DATE OF COMMENCEMENT OF CLASSES: 25.07.22		DATE OF DISSOLUTION OF CLASSES: 26.12.22		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN ZOOLOGY COURSE TYPE: HONOURS/GENERAL/GENERIC		
SEMESTER: III (GENERIC)				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
CC-3 Physiology & Biochemistry	Unit 4: Excretion	Structure of Nephron, mechanism of urine formation, counter-current mechanism	AUGUST 2022	5
CC-3 Physiology & Biochemistry	Unit 9: Proteins	Proteins and their biological functions, functions of amino acids	SEPTEMBER 2022	2
CC-3 Physiology & Biochemistry	Unit 9: Proteins	Physicochemical properties of amino acids, peptides- structure and properties	SEPTEMBER 2022	2
CC-3 Physiology & Biochemistry	Unit 9: Proteins	Primary, secondary and tertiary structure of proteins, transamination, deamination and urea cycle	DECEMBER 2022	4
	TOTAL CLASSES: THEORY			13

DATE OF COMMENCEMENT OF CLASSES: 09.03.23		DATE OF DISSOLUTION OF CLASSES: 07.08.23		
ACADEMIC SESSION: 2022-2023		PROGRAMME: B.SC. HONOURS IN ZOOLOGY COURSE TYPE: HONOURS/GENERAL/GENERIC		
SEMESTER: II (GENERIC)				
PAPER	UNIT NAME (TOPIC)	SUBUNIT NAME	MONTH	NUMBER OF CLASSES
CC-2 Comparative Anatomy	Practical (Lab) Course	Identification of limb bones and girdle bones of Columba	MARCH 2023	4
CC-2 Comparative Anatomy	Practical (Lab) Course	Identification of mammalian skull: Cavia and Canis	MARCH 2023	2
CC-2 Comparative Anatomy	Practical (Lab) Course	Study of different types of placenta (histological sections)	APRIL 2023	2
CC-2 Comparative Anatomy	Practical (Lab) Course	Identification of limb bones and girdle bones of Cavia	MAY 2023	4
CC-2 Comparative Anatomy	Practical (Lab) Course	Study of gametes - rat sperm and ovum	JUNE 2023	2
CC-2 Comparative Anatomy	Practical (Lab) Course	Sstudy of developmental stages of frog.	JULY 2023	2
	TOTAL CLASSES: PRACTICAL			16

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ZOOLOGY				
NAME OF THE TEACHER: Dr. Dipanwita Sarkar (Paria)				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC1 Non-Chordates I	Unit 2: Protista and Metazoa	1. Protozoa General characteristics and Classification up to phylum (according to Levine et. al., 1980) 2. Locomotion in <i>Euglena</i> , <i>Paramecium</i> and <i>Amoeba</i> ; 3. Conjugation in <i>Paramecium</i> . 4. Life cycle and pathogenicity of <i>Plasmodium vivax</i> and <i>Entamoeba histolytica</i> 5. Metazoa: Evolution of symmetry and segmentation of Metazoa	August - September 2022	8
	Unit 6: Platyhelminthes	1. General characteristics and Classification up to classes 2. Lifecycle and pathogenicity and control measures of <i>Fasciola hepatica</i> and <i>Taenia solium</i>	September 2022	4
	Unit 7: Nematoda	1. General characteristics and Classification up to classes 2. Life cycle, and pathogenicity and control measures of <i>Ascaris lumbricoides</i> and <i>Wuchereria bancrofti</i>	November 2022	4
CC1–Non-Chordates I Lab	Unit 1:	Preparation of stained whole mount of <i>Euglena</i> , <i>Amoeba</i> and <i>Paramecium</i>	November 2022	3
	Unit 2:	Spot Identification of <i>Amoeba</i> , <i>Euglena</i> , <i>Entamoeba</i> , <i>Opalina</i> , <i>Paramecium</i> , <i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> (from the prepared slides)	November 2022	2

	Unit 3:	Spot Identification of <i>Sycon</i> , Neptune's Cup, <i>Obelia</i> , <i>Physalia</i> , <i>Millepora</i> , <i>Aurelia</i> , <i>Tubipora</i> , <i>Corallium</i> , <i>Alcyonium</i> , <i>Gorgonia</i> , <i>Metridium</i> , <i>Pennatula</i> , <i>Fungia</i> , <i>Meandrina</i> , <i>Madrepora</i>	December 2022	3
	Unit 4:	Spot Identification and significance of adult <i>Fasciola hepatica</i> , <i>Taenia solium</i> and <i>Ascaris lumbricoides</i> .	January 2023	1
General CC- 1A: Animal Diversity	Unit-1 Kingdom Protista	1. General characters and classification of Subkingdom Protozoa up to Phylum (Levine et al., 1980); 2. Locomotory Organelles and locomotion in Protozoa	August -September 2022	2
	Unit-4 Phylum Platyhelminthes	1. General characters and classification up to classes 2. Life history of <i>Taenia solium</i>	November 2022	2
	Unit-5 Phylum Nematoda	1. General characters and classification up to classes; 2. Life history of <i>Ascaris lumbricoides</i> and its parasitic adaptations	November 2022	3
	Unit-6 Phylum Annelida	1. General characters and classification up to classes; 2. Nephridia in Annelida	December 2022	2
	Unit-8 Phylum Mollusca	1. General characters and classification up to classes; 2. Respiration in <i>Pila</i>	January 2022	2
	Unit-12 Pisces	1. General features and Classification up to Subclasses (Romer, 1959); 2. Osmoregulation in Fishes	January 2022	2
General CC- 1A: Animal Diversity (Lab)	Unit 1 Spot identification of the specimens:	<i>Amoeba</i> , <i>Euglena</i> , <i>Plasmodium</i> , <i>Paramecium</i> , <i>Sycon</i> , <i>Euspongia</i> , <i>Obelia</i> , <i>Physalia</i> , <i>Aurelia</i> , <i>Tubipora</i> , <i>Metridium</i> , <i>Taenia solium</i> , Male and female <i>Ascaris lumbricoides</i> ,	November 2022	3
		<i>Aphrodite</i> , <i>Nereis</i> , <i>Pheretima</i> , <i>Hirudinaria</i> , <i>Palaemon</i> , <i>Cancer</i> , <i>Limulus</i> , <i>Palamnaeus</i> , <i>Scolopendra</i> , <i>Julus</i> , <i>Periplaneta</i> , <i>Apis</i> , <i>Chiton</i> , <i>Dentalium</i> , <i>Pila</i> , <i>Unio</i> , <i>Loligo</i> , <i>Sepia</i> , <i>Octopus</i> , <i>Pentaceros</i> , <i>Ophiura</i> , <i>Echinus</i> , <i>Cucumaria</i> and <i>Antedon</i> ,	December 2022	3
		<i>Balanoglossus</i> , <i>Herdmania</i> , <i>Branchiostoma</i> , <i>Petromyzon</i> , <i>Sphyrna</i> , <i>Pristis</i> , <i>Torpedo</i> , <i>Labeo</i> , <i>Exocoetus</i> , <i>Anguilla</i> , <i>Ichthyophis/Ureotyphlus</i> , <i>Salamandra</i> , <i>Bufo</i> , <i>Hyla</i> ,	January 2022	3

		<i>Chelone, Hemidactylus, Chamaeleon, Draco, Vipera, Naja, Crocodylus, Gavialis, Passer, Psittacula, Alcedo, Sorex, Pteropus, Funambulus, Suncus</i>	January -February 2022	2

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022	DATE OF DISSOLUTION OF CLASSES: 26.12.2022
ACADEMIC SESSION: 2022-2023	PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC

SEMESTER: III

COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC5- Chordates	Unit 1: Introduction to Chordates	1. General characteristics 2. Outline classification of Phylum Chordata	July - August 2022	3
	Unit 5: Pisces	1. General characteristics and classification of Chondrichthyes and Osteichthyes up to Subclasses 2. Accessory respiratory organ, 3. Migration in fishes 4. Parental care in fishes 5. Swim bladder in fishes	August-September 2022	8
	Unit 9: Mammals	1. General characters and classification up to living orders 2. Affinities of Prototheria	December 2022	3
CC5-Chordates Lab	Unit1 Spot identification	Protochordata: <i>Balanoglossus, Herdmania, Branchiostoma</i> Agnatha: <i>Petromyzon, Myxine</i>	August 2022	1
		Fishes: <i>Scoliodon, Sphyrna, Pristis, Torpedo, Chimaera, Mystus, Heteropneustes, Labeo, Catla, Cirrhinus, Hypophthalmichthys, Cyprinus, Ctenopharyngodon, Exocoetus, Echeis, Anguilla, Hippocampus, Tetradon/Diodon, Anabas, Clarias</i>	August-September 2022	4
		Amphibia: <i>Necturus, Bufo, Hyla, Alytes, Axolotl larva, Tylostotriton</i>	September 2022	2
		Reptilia: <i>Chelone, Trionyx, Hemidactylus, Varanus, Uromastix, Mabuya, Draco, Bungarus, Vipera, Naja, Hydrophis</i>	September 2022	2

		Mammalia: Bat (Insectivorous and Frugivorous), <i>Funambulus</i>	December 2022	1
	Unit2	Key for Identification of poisonous and non-poisonous snake	December 2022	2
CC6 - Animal Physiology: Controlling &Coordinating Systems	Unit1: Tissues	1. Structure, location, classification and functions of epithelial tissue, 2. Structure, location, classification and functions of connective tissue, 3. Structure, location, classification and functions of muscular tissue 4. Structure, location, classification and functions of nervous tissue	September 2022	3
	Unit2: Bone and Cartilage	1. Structure and types of bones and cartilages 2. Ossification	December 2022	2
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE 2- Parasitology	Unit1: Introduction to Parasitology	1. Brief introduction of Parasitism, Parasite, Parasitoid and Vectors (mechanical and biological vector) 2. Host parasite relationship	July 2022	2
	Unit2: Parasitic Protists	Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of <i>Giardia intestinalis</i> , <i>Trypanosoma gambiense</i> , <i>Leishmania donovani</i>	August 2022	4
	Unit3: Parasitic Platyhelminthes	Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of <i>Schistosoma haematobium</i> , <i>Taenia sajinata</i>	September 2022	4
	Unit4: Parasitic Nematodes	Study of Morphology, Life Cycle, 1. Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of <i>Ascaris lumbricoides</i> , <i>Ancylostoma duodenale</i> , <i>Wuchereria bancrofti</i> and <i>Trichinella spiralis</i> , <i>Brugiamalayi</i> ; 2. Nematode plant interaction ; Gall formation	September 2022	5
	Unit5: Parasitic Arthropods	Biology, importance and control of ticks (Soft tick Ornithodoros, Hard tick Ixodes),mites (Sarcoptes), Lice (Pediculus),Flea (Xenopsylla) and Bug (Cimex)	November 2022	2

DSE 2 – Parasitology Lab	Unit 1	Identification of life stages of <i>Giardia lamblia</i> and <i>Leishmania donovani</i> through permanent slides/microphotographs	July 2022	1
	Unit 2	Identification of adult and life stages of <i>Schistosoma haematobium</i> , <i>Taenia solium</i> through permanent slides/microphotographs	August 2022	2
	Unit 3	Identification of adult and life stages of <i>Ancylostoma duodenale</i> , <i>Wuchereria bancrofti</i> and <i>Trichinella spiralis</i> through permanent slides/microphotographs	August 2022	2
	Unit 4	Identification of plant parasitic root knot nematode, <i>Meloidogyne</i> from the soil sample	September 2022	1
	Unit 5	Identification of <i>Pediculus humanus</i> , <i>Xenopsylla cheopis</i> and <i>Cimex lectularius</i> through permanent slides/photographs	September 2022	2
	Unit 6	Isolation and fixation of nematode/cestode parasites from the intestine of hen[Intestine can be procured from poultry/market as a by-product]	September 2022	2
General DSE 1 APPLIED ZOOLOGY	Unit-4 Parasitic Protozoa	Life history and pathogenicity of <i>Entamoeba histolytica</i> , <i>Plasmodium vivax</i> and <i>Trypanosoma gambiense</i>	July -August 2022	3
	Unit-5 Parasitic Helminthes	Life history and pathogenicity of <i>Ancylostoma duodenale</i> and <i>Wuchereria bancrofti</i>	August 2022	4
	Unit-10 Fish Technology	Genetic improvements in aquaculture industry; Induced breeding and transportation of fish seed	September 2022	4
General DSE 1 APPLIED ZOOLOGY (Lab)	Unit 1	Study and Identification of <i>Plasmodium vivax</i> , <i>Entamoeba histolytica</i> , <i>Ancylostoma duodenale</i> and <i>Wuchereria bancrofti</i> and their life stages through permanent slides/photomicrographs or specimens.	July -August 2022	3
	Unit 2	Study and Identification of arthropod vectors associated with human diseases: <i>Pediculus</i> , <i>Culex</i> , <i>Anopheles</i> , <i>Aedes</i> and <i>Xenopsylla</i> .	August 2022	3
	Unit 3	Study and Identification of insect damage to different plant parts/stored grains through damaged products/photographs.	September 2022	3

	Unit 4	Identifying features and economic importance of <i>Nilaparvata lugens</i> , <i>Apion corchori</i> , <i>Scirpophaga incertulus</i> , <i>Callosobruchus chinensis</i> , <i>Sitophilus oryzae</i> and <i>Tribolium castaneum</i>	September 2022, November 2022	3

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC3- Non- Chordates II	Unit2: Annelida	1. General characteristics and Classification up to order 2. Excretion in Annelida through nephridia. 3. Metamerism in Annelida.	May 2023	2
	Unit5: Mollusca	1. General characteristics and Classification up to classes 2. Nervous system and torsion in Gastropoda 3. Feeding and respiration in <i>Pila sp</i>	June 2023	5
	Unit7: Hemichordata	1. General characteristics of phylum Hemichordata. 2. Relationship with non-chordates and chordates	July 2023	2
CC3- Non- Chordates II Lab	Unit 1 Spot identification of specimens	Annelids- <i>Aphrodite, Nereis, Heteronereis, Sabella, Chaetopterus, Pheretima, Hirudinaria</i>	May 2023	1
		Arthropods- <i>Carcinoscorpius, Palamnaeus, Palaemon, Daphnia, Balanus, Sacculina, Cancer, Eupagurus, Scolopendra, Julus, Bombyx, Periplaneta, Odontotermes</i> and <i>Apis</i> Onychophora- <i>Peripatus</i>	June 2023	3
		Molluscs - <i>Chiton, Dentalium, Pila, Doris, Helix, Lamellidens, Ostrea, Pinctada, Sepia, Octopus, Nautilus</i>	July 2023	2

		Echinoderms <i>Pentaceros/Asterias,Ophiura,Clypeaster,</i> <i>Echinus,Cucumariaand Antedon</i> Hemichordates - Balanoglossus	August 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: 07.08.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC8-Comparative Anatomy of Vertebrates	Unit3: Digestive System	1. Comparative anatomy of stomach. 2. Dentition in mammals	May- June 2023	3
	Unit4: Respiratory System	1. Respiratory organs in fish, amphibian, birds and mammals	June 2023	4
	Unit 6: Urinogenital System	1. Succession of kidney, 2. Evolution of urinogenital ducts, 3. Types of mammalian uteri	July 2023	4
CC8-Comparative Anatomy of Vertebrates Lab	Unit 1	Mounting of cycloid and ctenoid scales	May 2023	2
	Unit 3	Demonstration of Carapace and plastron of turtle from model/chart	June 2023	2
CC9- Animal Physiology: Life Sustaining Systems	Unit1: Physiology of Digestion	1. Structural organization and functions of Gastrointestinal tract and Associated glands; 2. Mechanical and chemical digestion of food, 3. Absorption of Carbohydrates, Lipids, Proteins and Nucleic Acids; 4. Digestive enzymes	June 2023, August 2023	5

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Not Alotted				

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ZOOLOGY				
NAME OF THE TEACHER: SMT. MONALI CHAKRABORTY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
HONOURS - THEORY CC1 (Non-Chordates I)	Unit 3: Porifera	General characteristics and Classification up to orders (after Hyman, 1951);	SEPTEMBER 2022	2
		Canal system and spicules in sponges	NOVEMBER 2022	2
CC2 (Ecology)	Unit 4: Ecosystem	Types of ecosystem with an example in detail	DECEMBER 2022	2
		Food chain: Detritus and grazing food chains, Linear and Y-shaped food chains, Food web	JANUARY 2023	2
		Energy flow through the ecosystem	JANUARY 2023	2
		Ecological pyramids	JANUARY 2023	1
		Ecological efficiencies	JANUARY 2023	1
		Nutrient and biogeochemical cycle with an example of Nitrogen cycle	FEBRUARY 2023	3
		Human modified ecosystem	FEBRUARY 2023	1
GENERAL - THEORY CC- 1A (Animal Diversity)	Unit-2 Phylum Porifera	General characters and classification up to classes	SETEMBER 2022	1
		Canal System in Sycon	SETEMBER 2022	2
	Unit-5 Phylum Nematoda	General characters and classification up to classes	NOVEMBER 2022	1

		Life history of Ascaris lumbricoides and its parasitic adaptations	DECEMBER 2022	2
	Unit-10 Protochordates	General features; Feeding in Branchiostoma	DECEMBER 2022	1
	Unit-14 Reptiles	General features and Classification up to living Subclass (Young, 1981)	JANUARY 2023	1
		Poisonous and non-poisonous snakes, Biting mechanism in snakes	JANUARY 2023	2
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
HONOURS - THEORY CC5 (Chordates)	Unit 2: Protochordata	General characteristics and classification of sub-phylum Urochordata and Cephalochordate up to classes	JULY 2022	2
		Retrogressive metamorphosis in Ascidia	AUGUST 2022	2
		Chordate Features and Feeding in Branchiostoma	AUGUST 2022	1
	Unit 7: Reptilia	General characteristics and classification up to living Orders	AUGUST 2022	1
		Poison apparatus and Biting mechanism in Snake	AUGUST 2022	2
HONOURS - PRACTICAL CC5 (Chordates)		Mounting of Pecten from Fowl head.	SEPTEMBER 2022	2
		Dissection of brain and pituitary of any major carp	AUGUST 2022	4
		Power point presentation on study of any two animals from two different classes by students. Power point submission & demonstration through laptop	NOVEMBER - DECEMBER 2022	4
HONOURS - THEORY	Unit4: Muscular system	Histology of different types of muscle	JULY 2022	1

CC6 Animal Physiology: Controlling &Coordinating Systems		Ultrastructure of skeletal muscle, Characteristics of muscle fibre	JULY- AUGUST 2022	1
		Molecular and chemical basis of muscle contraction	AUGUST 2022	1
CC7 Fundamentals of Biochemistry	Unit1: Carbohydrates	Structure and Biological importance: Monosaccharides, Disaccharides, Polysaccharides; Derivatives of Monosachharides	SETEMBER 2022	1
		Carbohydrate metabolism: Glycolysis, Citric acid cycle, Pentose phosphate pathway, Gluconeogenesis	SEPTEMBER 2022	4
	Unit2: Lipids.	Structure and Significance: Physiologically important saturated and unsaturated fatty acids, Tri- acyl glycerols, Phospholipids, Sphingolipid, Glycolipids, Steroids, Eicosanoids and terpenoids	NOVEMBER 2022	2
		Lipid metabolism: β -oxidation of fatty acids; Fatty acid biosynthesis	NOVEMBER 2022	3
	Unit5: Enzymes	Nomenclature and classification; Cofactors; Specificity of enzyme action; Factors affecting rate of enzyme- catalyzed reactions; Enzyme inhibition	DECEMBER 2022	2
		Mechanism of enzyme action; Enzyme kinetics; Derivation of Michaelis- Menten Equation, Lineweaver-Burk plot	DECEMBER 2022	2
		Allosteric enzymes and their Factors affecting rate of enzyme-catalyzed reactions; Isozymes	DECEMBER 2022	1
HONOURS - PRACTICAL CC7 P Fundamentals of Biochemistry practical		Qualitative tests of functional groups in carbohydrates (Benedict's test), proteins (Biuret's test) and lipids (Saponification number)	AUGUST 2022	2
		To study the enzymatic activity of Salivary amylase and Catalase in Cajanus cajan	SEPTEMBER 2022	2
GENERAL - THEORY CC 1C Physiology and Biochemistry	Unit-3 Respiration	Pulmonary ventilation, Respiratory volumes and capacities, Transport of Oxygen and carbon dioxide in blood	JULY 2022	2
	Unit-5 Cardiovascular system	Composition of blood, Homeostasis	AUGUST 2022	1

		Structure of Heart, Origin and conduction of the cardiac impulse, Cardiac cycle	AUGUST 2022	2
	Unit 7 : Carbohydrate - Structure and Metabolism	Introduction to Carbohydrates, Structure & Types of Carbohydrates, Isomerism, Introduction to Intermediary metabolism	NOVEMBER 2022	2
		Glycolysis, Krebs cycle, Pentose phosphate pathway, Gluconeogenesis, Electron transport chain	NOVEMBER 2022	4
	Unit-8: Lipid: Structure and Metabolism	Introduction to Lipids: Definitions; fats and oils; classes of lipids; Lipoproteins	DECEMBER 2023	1
		Biosynthesis and β oxidation of palmitic acid	DECEMBER 2022	2
GENERAL - PRACTICAL CC 1C Physiology and Biochemistry		Preparation of hemin crystals	SEPTEMBER 2022	2
		Qualitative tests to identify functional groups of carbohydrates in given solutions: Glucose (Benedict's test),Sucrose (Iodine test)	SEPTEMBER 2022	2
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
HONOURS - THEORY CC 11 Molecular Biology	Unit 6: Gene Regulation	Regulation of Transcription in prokaryotes: lac operon and trp operon	JULY 2022	4
		Regulation of Transcription in eukaryotes: Activators, enhancers, silencer, repressors	AUGUST 2022	2
		miRNA mediated gene silencing	AUGUST 2022	1
		Genetic imprinting	AUGUST 2022	1
HONOURS - PRACTICAL CC 11 P Molecular Biology		Study and interpretation of electron micrographs/ photographs showing a) DNA replication b) Transcription c) Split genes	AUGUST 2022	2
HONOURS - THEORY	Unit2: Linkage, Crossing Over and	Linkage and Crossing Over, molecular basis of crossing over	SEPTEMBER 2022	2

CC 12 Genetics	Chromosomal Mapping	Measuring Recombination frequency and linkage intensity using three factor crosses, Interference and coincidence	SEPTEMBER 2022	3
	Unit4: Sex Determination	Mechanisms of sex determination in Drosophila	NOVEMBER 2022	2
		Sex determination in mammals	NOVEMBER 2022	2
		Dosage compensation in Drosophila & Human	NOVEMBER 2022	2
HONOURS - PRACTICAL CC 12 P Genetics		Problems of linkage maps on Drosophila	NOVEMBER 2022	4
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
SESSION: 2022-2023			COURSE TYPE: HONOURS/ GENERAL/ GENERIC	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
HONOURS - THEORY CC 2 Cell Biology	Unit2: Plasma Membrane.	Ultra structure and composition of Plasma membrane: Fluid mosaic model	MARCH 2023	2
		Transport across membrane: Active and Passive transport, Facilitated transport	MARCH 2023	2
		Cell junctions: Tight junctions, Gap junctions, Desmosomes	MARCH 2023	1
	Unit7: Cell Division	Mitosis and Meiosis: Basic process and their significance	APRIL 2023	2
	Unit8: Cell Signaling	Cell signalling transduction pathways; Types of signalling molecules and receptors	APRIL 2023	2
		GPCR and Role of second messenger (cAMP)	APRIL 2023	1
		Extracellular matrix	JULY 2023	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
HONOURS - PRACTICAL CC8 : Comparative Anatomy of Vertebrates		Study and Dissection of Afferent arterial system, brain, pituitary in Carp	APRIL 2023	4
HONOURS - THEORY CC 9 : Animal Physiology- Life Sustaining Systems	Unit2: Physiology of Respiration	Mechanism of Respiration Respiratory volumes and capacities	MARCH 2023	2
		Transport of Oxygen and Carbon dioxide in blood ,Dissociation curves and the factors influencing it	MARCH 2023	2
		Respiratory pigments	MARCH 2023	1
		Carbon monoxide poisoning	APRIL 2023	1
HONOURS - THEORY CC 10 : Immunology	Unit3: Antigens	Antigenicity and immunogenicity, Immunogens, Adjuvants and haptens	APRIL 2023	2
		Factors influencing immunogenicity.	APRIL 2023	1
		Band T-Cell epitopes	APRIL 2023	1
	Unit4: Immunoglobulins	Structure and functions of different classes of immunoglobulins	MAY 2023	1
		Antigen- antibody interactions	MAY 2023	1
		Immunoassays (ELISA and RIA)	MAY 2023	1
		Hybridoma technology, Monoclonal antibody production	JULY 2023	1
	Unit7: Complement System	Components and pathways of complement activation.	JULY 2023	2
HONOURS - PRACTICAL CC 10 P : Immunology		Demonstration of lymphoid organs in human through model/ photograph	APRIL 2023	2

HONOURS - PRACTICAL CC 10 P : Immunology		Histological study of spleen, thymus and lymph nodes through slides/photographs	APRIL 2023	2
		Preparation of stained blood film to study various types of blood cells	MAY 2023	2
GENERAL - THEORY CC 1D : Genetics and Evolutionary Biology	Unit-3 Linkage, Crossing Over and Chromosomal Mapping	Linkage and crossing over	MARCH 2023	1
		Recombination frequency as a measure of linkage intensity, two factor and three factor crosses, Interference and coincidence	MARCH 2023	2
		Somatic cell genetics - an alternative approach to gene mapping extinction in detail), Role of extinction in evolution	APRIL 2023	1
	Unit-5 Sex Determination	Chromosomal mechanisms of sex determination;	APRIL 2023	2
		Dosage compensation (human)	MAY 2023	1
	Unit-8 Direct Evidences of Evolution	Types of fossils, Incompleteness of fossil record, Dating of fossils,	JULY 2023	1
		Phylogeny of horse	JULY 2023	1
GENERAL - PRACTICAL CC 1D P : Genetics and Evolutionary Biology		Study of Linkage, recombination, gene mapping using the data	MARCH 2023	2
		Study of fossil evidences from plaster cast models /pictures	APRIL 2023	2
		Study of homology and analogy from suitable specimens/ pictures	APRIL 2023	2
		Charts: Phylogeny of horse with diagrams/ cut outs of limbs and teeth of horse ancestors	MAY 2023	2
		Darwin's Finches with diagrams/ cut outs of beaks of different species	JULY 2023	2
		Visit to any Zoological Museum and submission of report	14.07.2023	ONE DAY EXCURSION TO INDIAN MUSEUM , KOLKATA

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
HONOURS - THEORY CC 13 : Developmental Biology	Unit2:Early Embryonic Development	Gametogenesis, Spermatogenesis, Oogenesis , Types of eggs, Egg membranes	MARCH 2023	4
		Fertilization(External and Internal)	MARCH 2023	3
		Changes in gametes, Blocks to polyspermy	MARCH 2023	1
		Planes and patterns of cleavage and role of yolk in cleavage	MARCH 2023	1
		Types of Blastula; Fate maps(including Techniques)	MARCH 2023	1
	Unit5: Implications of Developmental Biology	Teratogenesis: Teratogenic agents and their effects on embryonic development	APRIL 2023	1
		In vitro fertilization	APRIL 2023	1
		Stem cell(ESC)	APRIL 2023	1
		Amniocentesis	APRIL 2023	1
	DSE 3 : Endocrinology	Unit2: Epiphysis, Hypothalamo- hypophysial Axis	Structure of pineal gland	APRIL 2023
Secretions and their functions in biological rhythms and reproduction			APRIL 2023	2
Structure and functions of hypothalamus and Hypothalamic nuclei			APRIL 2023	1
Regulation of neuroendocrine glands, Feedback mechanisms			APRIL 2023	2
Structure of pituitary gland			APRIL 2023	1
Hormones of Pituitary gland and their functions			MAY 2023	1
Hypothalamo- hypophysial portal system			MAY 2023	1
		Disorders of pituitary gland	MAY 2023	1
Unit4: Regulation of Hormone Action		Mechanism of action of steroidal, non-steroidal hormones with receptors	MAY 2023	2
		Bioassays of hormones using RIA &ELISA	MAY 2023	1
		Estrous cycle in rat and menstrual cycle in human	MAY 2023	2
		Multifaceted role of Vasopressin &Oxytocin	MAY 2023	2

		Hormonal regulation of parturition.	MAY 2023	1
HONOURS - PRACTICAL DSE 3 P : Endocrinology		Study of the permanent slides of all the endocrine glands (Thyroid, Adrenal, Pancreas, Testis and Ovary)	MARCH 2023	2
GENERAL - THEORY DSE 1B : Immunology	Unit-3 Antigens	Basic properties of antigens, , haptens and adjuvants	MARCH 2023	1
		B and T cell epitopes	MARCH 2023	1
	Unit-4 Antibodies	Structure, classes and function of antibodies	MARCH 2023	1
		Monoclonal antibodies	MARCH 2023	1
		Antigen antibody interactions as tools for research and diagnosis	MARCH 2023	1
	Unit-5 Working of the immune system	Structure and functions of MHC	APRIL 2023	1
		Exogenous and endogenous pathways of antigen presentation and processing	APRIL 2023	1
		Basic properties and functions of cytokines	APRIL 2023	1
		Complement system: Components and pathways	MAY 2023	1
GENERAL - PRACTICAL DSE 1B : Immunology		Demonstration of lymphoid organs in human through model/ photograph.	MAY 2023	2
		Histological study of spleen, thymus and lymph nodes through slides/photographs	MARCH 2023	2
		Preparation of stained blood film to study various types of blood cells.	APRIL 2023	2
		ABO blood group determination	MARCH 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ZOOLOGY				
NAME OF THE TEACHER: Pratyush Ghosh				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC1 Non-Chordates I	Unit 1: Basics of Animal Classification	1. Definitions: Classification, Systematics and Taxonomy; Taxonomic Hierarchy, Taxonomic types. 2. Codes of Zoological Nomenclature; Principle of priority; Synonymy and Homonymy 3. Five kingdom concepts of classification (Whittaker)	August 2022	4
CC2 Ecology	Unit 1: Introduction to Ecology	1. History of ecology, Autecology, and synecology, 2. Levels of organization, Laws of limiting factors, Study of Physical factors, 3. The Biosphere	September 2022	4
	Unit 2: Population	1. Unitary and Modular populations 2. Unique and group attributes of population: Demographic factors, life tables, fecundity tables, survivorship curves, dispersal, and dispersion. 3. Geometric, exponential, and logistic growth, equation and patterns, and K strategies. 4. Population regulation, density dependent and independent factors 5. Population Interactions, Gause's Principle with laboratory and field examples 6. Lotka-Volterra equation for competition	September 2022- November 2022	20
	Unit 5: Applied Ecology	1. Wildlife Conservation (in-situ and ex-situ conservation). 2. Management strategies for tiger conservation; Wild life protection act (1972)	January 2023	5
CC2–Ecology Lab	Unit 1	1. Study of life tables and plotting of survivorship curves of different types from the hypothetical/real data provided	September 2022- October 2022	4

	Unit 2	Determination of population density in a natural/hypothetical community by quadrat method and calculation of Shannon-Weiner diversity index for the same community	September 2022-October 2022	2
	Unit 3	Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, determination of pH and free CO ₂	November 2022-December 2022	6
	Unit 4	Report on a visit to National Park/Biodiversity Park/Wild life sanctuary/ Biodiversity Centre/ Any Museum/Sea shore	January 2022	Field Trip (1 day)
General CC- 1A: Animal Diversity	Unit-13 Amphibia	1. Amphibia General features and Classification up to living orders (Duellman & Trueb, 1986); Metamorphosis in Toad	August 2022	3
	Unit-15 Aves	1. General features and Classification up to orders (Young, 1981) Flight adaptations in bird	September 2022	3

DATE OF COMMENCEMENT OF CLASSES:25.07.2022		DATE OF DISSOLUTION OF CLASSES: :26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC5-Chordates	Unit 6: Amphibia	1. General characteristics and classification unto living Orders. 2. Metamorphosis and parental care in Amphibia	July 2022- August 2022	6
CC7-Biochemistry	Unit5: Oxidative Phosphorylation	Redox systems; Review of mitochondrial respiratory chain, Inhibitors and un-couplers of Electron	September 2022	2

DATE OF COMMENCEMENT OF CLASSES:25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/GENERAL/ GENERIC		
SEMESTER: V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMB EROF CLASS ES
CC11-Molecular Biology	Unit3: Transcription	Mechanism of Transcription in prokaryotes and eukaryotes, Transcription factors, Difference between prokaryotic and eukaryotic transcription	July 2022-August 2022	7
	Unit5: Posttranscriptional Modifications and Processing of Eukaryotic RNA	1. Capping and Poly A tail formation in mRNA; 2. Split genes: concept of introns and exons, splicing mechanism, alternative splicing, Exon shuffling, and RNA editing, 3. Processing of tRNA	August 2022-September 2022	8
DSE1-Animal Biotechnology	Unit1: Introduction	1. Organization of prokaryotic and eukaryotic genome, 2. Concept of genomics	August 2022-September 2022	5
	Unit3: Genetically modified organisms	1. 1. Production of cloned and transgenic animals: Nuclear Transplantation, Retroviral Method, DNA microinjection. 2. 2. Applications of transgenic animals: Production of pharmaceuticals, production of donor organs, knockout mice	October 2022-November 2022	12

DSE1-Animal Biotechnology Lab	Unit 1 &2	1. Construction of linear restriction map from the data provided. 2. Calculation of transformation efficiency from the data provided.	July 2022-August 2022	4
	Unit 3	3. Study and identification of following techniques through photographs a. Southern Blotting b. Northern Blotting c. Western Blotting d. DNA Sequencing (Sanger's Method) e. PCR f. DNA fingerprinting.	August 2022-September 2022	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC3- Non-Chordates II	Unit4: Onychophora	1. General characteristics and Evolutionary significance	April 2023- May 2023	2
CC4- Cell Biology	Unit4: Cytoplasmic organelles II	1. Mitochondria: Structure, Semi-autonomous nature, Endosymbiotic hypothesis Mitochondrial Respiratory Chain, Chemi- osmotic hypothesis. 2. Structure and Functions of Peroxisome and Centrosome	May 2023- June 2023	6
	Unit6: Nucleus	1. Structure of Nucleus: Nuclear envelope, nuclear pore complex, Nucleolus	June 2023- July 2023	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC8-Comparative Anatomy of Vertebrates	Unit2: Skeletal System	1.Overview of axial and appendicular skeleton; Jaw suspension; Visceral arches.	March 2023- April 2023	6
	Unit5: Circulatory System	1. General plan of circulation, 2. Comparative account of heart and aortic arches	April 2023- May 2023	8
CC9- Animal Physiology: Life Sustaining Systems	Unit3: Physiology of Circulation	1. Components of Blood and their functions; Structure and functions of haemoglobin 2. Homeostasis; Blood clotting system, Fibrinolytic system 3. Haemopoiesis; Basic steps and its regulation 4. Blood groups; ABO and Rh factor	March 2023- April 2023	12
	Unit4: Physiology of Heart	1. Structure of mammalian heart, 2. Coronary Circulation, 3. Structure and working of conducting myocardial fibres, 4. Origin and conduction of cardiac impulses 5. Cardiac Cycle and cardiac output 6. Blood pressure and its regulation	June 2023- July 2023	8
CC9– Animal Physiology: Life Sustaining Systems Lab	Unit 1	Determination of ABO Blood group	March 2023- April 2023	2
	Unit 2 &3	Enumeration of red blood cells and white blood cells using haemocytometer Estimation of haemoglobin using Sahli’s haemoglobinometer	April 2023- May 2023	4
	Unit4 &5	Preparation of haem in crystals Recording of blood pressure using a sphygmomanometer	June 2023- July 2023	4
General CC- 1D: Genetics and Evolutionary Biology	Unit6: History of Life	Origin of Life	March 2023- April 2023	1

	Unit9: Processes of Evolutionary Change	Organic variations; Isolating Mechanisms; Natural selection (Example: Industrial melanism); Types of natural selection (Directional, Stabilizing, Disruptive), Artificial selection	March 2023- April 2023	5
	Unit10: Species Concept	Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric, Sympatric)	April 2023- May 2023	4
	Unit12: Extinction	Mass extinction (Causes, Names of five major extinctions, K-T extinction in detail), Role of extinction in evolution	June 2023- July 2023	3
General CC- 1D: Genetics and Evolutionary Biology Practical	Unit1 & 2	1. Study of Mendelian Inheritance and gene interactions using suitable examples. Verify the results using Chi-square test. 2. Study of Linkage, recombination, gene mapping using the data.	March 2023- April 2023	6
	Unit 3-6	3. Study of Human Karyotypes; normal and abnormal (Turner's, Down's and Klinefelter syndrome) from photographs. 4. Study of fossil evidences from plaster cast models /pictures 5. Study of homology and analogy from suitable specimens/ pictures 6. Charts: a) Phylogeny of horse with diagrams/ cut outs of limbs and teeth of horse ancestors b) Darwin's Finches with diagrams/ cut outs of beaks of different species	April 2023- May 2023	4
	Unit 7	Visit to any Zoological Museum and submission of report	July 2023	1-day (Field Trip)

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC14- Evolutionary Biology	Unit 6	1. Species concept, 2. Isolating mechanisms, modes of speciation 3. Adaptive radiation/macroevolution (exemplified by Galapagos finches.	February 2023- March 2023	6
	Unit 7	Extinctions, Back ground and mass extinctions (causes and effects), detailed example of K-T extinction	February 2023- March 2023	2
	Unit 9	Phylogenetic trees, Construction & interpretation of Phylogenetic tree using parsimony, Convergent& Divergent evolution.	February 2023- March 2023	3
CC14-Evolutionary Biology Lab	Unit4	Graphical representation and interpretation of data of height /weight of a sample of 100 humans in relation to the age and sex.	March 2023- April 2023	2
DSE3-Animal Behaviour	Unit1: Introduction to Animal Behaviour	1. Origin and history of Ethology, Brief profiles of Karl Von Frish, Ivan Pavlov, Konrad Lorenz, NikoTinbergen 2. Proximate and ultimate causes of behaviour, Methods and recording of a behaviour	April 2023- May 2023	5
	Unit2: Patterns of Behaviour	1. Stereotyped Behaviours (Orientation, Reflexes); 2. Individual Behavioural patterns; Instinct vs. Learnt Behaviour; 3. Associative learning, classical and operant conditioning, Habituation, Imprinting	April 2023- May 2023	6
	Unit3: Social and Sexual Behaviour	1. Social Behaviour: Concept of Society; Communication and the senses 2. Altruism; Insects' society with Honeybee as example; Foraging in honeybee and advantages of the waggle dance. 3. Sexual Behaviour: Asymmetry of sex, Sexual dimorphism, Mate choice, Intra-sexual selection (male rivalry), Inter-sexual selection (female choice), Sexual conflict in parental care.	May 2023- June 2023	15
DSE3-Animal Behaviour Lab	Unit 1 &2	1. Study of nests and nesting habits of the birds and social insects. 2. Study of the behavioral responses of woodlice to dry and humid conditions.	March 2023- April 2023	2

	Unit 3 & 4	3. Study of geotaxis Behaviour in earthworm. 4. Study of photo taxis Behaviour in insect larvae.	April 2023- May 2023	2
	Unit 6 &7	6. Study and actogram construction of locomotor activity of suitable animal models. 7. Study of circadian functions in humans (daily eating, sleep and temperature patterns).	April 2023- May 2023	4
	Unit 5	5. Visit to Forest/Wildlife Sanctuary/Biodiversity Park/Zoological Park to study behavioural activities of animals and prepare a short report.	April 2023	7 days (Field Trip)

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ZOOLOGY				
NAME OF THE TEACHER: DR. SUJATA ROY MOULIK				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASS: 09.02.2023	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-I: Non-Chordates I	CNIDARIA	General characteristics and Classification up to orders.	AUGUST	1
CC-I: Non-Chordates I	CNIDARIA	Metagenesis in <i>Obelia</i>	AUGUST	1
CC-I: Non-Chordates I	CNIDARIA	Polymorphism in Cnidaria	SEPTEMBER	1
CC-I: Non-Chordates I	CNIDARIA	Corals and coral reef diversity, function & conservation	SEPTEMBER	1

CC-I: Non-Chordates I	Ctenophora	General characteristics	SEPTEMBER	1
CC-I LAB: Non-Chordates I	Spot Identification of Sycon, Neptune's Cup, <i>Obelia</i> , <i>Physalia</i> , <i>Millepora</i> <i>,Aurelia</i> , <i>Tubipora</i> , <i>Corallium</i> , <i>A</i> <i>Icyonium</i> , <i>Gorgonia</i> , <i>Metridium</i> , <i>Pennatula</i> <i>,Fungia</i> , <i>Meandrina</i> , <i>Madrepora</i>	-	SEPTEMBER	1
CC-II: ECOLOGY	Community	Community characteristics: species diversity, abundance, , dominance, richness, Vertical stratification	SEPTEMBER	1
CC-II: ECOLOGY	Community	Ecotone and edge effect, succession with one example	SEPTEMBER	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC5: CHORDATES	Origin of Chordata	Dipleurula concept and the Echinoderm theory of origin of chordates	JULY	1
CC5: CHORDATES	Origin of Chordata	Advanced features of vertebrates over Protochordata	JULY	1
CC5: CHORDATES	Agnatha	General characteristics and classification of cyclostomes up to order	AUGUST	1
CC5: CHORDATES	Mammals	Exoskeleton derivatives of mammals	AUGUST	1
CC5: CHORDATES	Mammals	Adaptive radiation in mammals with reference to locomotory appendages	AUGUST	1
CC5: CHORDATES	Mammals	Echolocation in Micro-chiropterans and Cetaceans	AUGUST	1

CC6: Animal Physiology: Controlling & Coordinating Systems	Endocrine System	Classification of hormones	AUGUST	1
CC6: Animal Physiology: Controlling & Coordinating Systems	Endocrine System	Mechanism of Hormone action: Signal transduction pathways for Steroidal and Nonsteroidal hormones	AUGUST	1
CC6: Animal Physiology: Controlling & Coordinating Systems	Endocrine System	Hypothalamus (neuroendocrine gland) – principal nuclei involved in neuroendocrine control of anterior pituitary and endocrine system	SEPTEMBER	1
CC6: Animal Physiology: Controlling & Coordinating Systems	Endocrine System	Placental hormones	SEPTEMBER	1
CC6 LAB: Animal Physiology: Controlling & Coordinating Systems Lab	-	Preparation of temporary mounts: Squamous epithelium, Striated muscle fibres	SEPTEMBER	1
CC6 LAB: Animal Physiology: Controlling & Coordinating Systems Lab	-	Microtomy: Preparation of permanent slide of any five mammalian white rat tissues	SEPTEMBER	5
CC7: Fundamentals of Biochemistry	Nucleic Acids	Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids	NOVEMBER	2
CC7: Fundamentals of Biochemistry	Nucleic Acids	Types of DNA and RNA, Complementarity of DNA, Hypo-Hyper chromaticity of DNA	NOVEMBER	2

CC7: Fundamentals of Biochemistry	Nucleic Acids	Basic concept of nucleotide metabolism	NOVEMBER	3
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC11: Molecular Biology	Nucleic Acids	Salient features of DNA and RNA	JULY	1
CC11: Molecular Biology	Nucleic Acids	Watson and Crick Model of DNA	JULY	1
CC11 LAB	-	Preparation of polytene chromosome from Diptera (Chironomus/ Drosophila/ Mosquito larva)	AUGUST	1
CC11 LAB	-	Identification of polytene and lampbrush chromosome from photograph	AUGUST	2
CC11 LAB	-	Study and interpretation of electron micrographs/ photographs showing a) DNA replication b) Transcription c) Split genes	AUGUST	2

CC12: GENETICS	Extra-chromosomal Inheritance	Criteria for extra chromosomal inheritance, Antibiotic resistance in <i>Chlamydomonas</i>	AUGUST	1
CC12: GENETICS	Extra-chromosomal Inheritance	Kappa particle in <i>Paramecium</i>	AUGUST	1
CC12: GENETICS	Extra-chromosomal Inheritance	Shell spiralling in snail	AUGUST	1
CC12: GENETICS	Recombination in Bacteria and Viruses	Conjugation, Transformation, Transduction,	AUGUST	3
CC12: GENETICS	Recombination in Bacteria and Viruses	Complementation test in Bacteriophage	SEPTEMBER	1
CC12: GENETICS	Transposable Genetic Elements	Transposons in bacteria, Ac-Ds elements in maize and P elements in <i>Drosophila</i>	SEPTEMBER	3
CC12: GENETICS	Transposable Genetic Elements	LINE, SINE, Alu elements in humans	SEPTEMBER	1
DSE1: Animal Biotechnology	Culture Techniques and Applications	Animal cell culture	SEPTEMBER	2
DSE1: Animal Biotechnology	Culture Techniques and Applications	Expressing cloned genes in mammalian cells	SEPTEMBER	2
DSE1: Animal Biotechnology	Culture Techniques and Applications	Molecular diagnosis of genetic diseases (Cystic fibrosis, Sickle cell anaemia)	SEPTEMBER	2
DSE2: PARASITOLOGY	Parasitic Platyhelminthes	Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of <i>Schistosoma haematobium</i> , <i>Taenia saginata</i>	NOVEMBER	4

DSE2: PARASITOLOGY	Parasitic Arthropods	Biology, importance and control of ticks (Soft tick Ornithodoros, Hard tick Ixodes), mites (Sarcoptes), Lice (Pediculus), Flea (Xenopsylla) and Bug (Cimex)	NOVEMBER	2
DSE2: PARASITOLOGY	Parasite Vertebrates	Brief account of Cookicutter Shark, Hood Mocking bird, Vampire bat	NOVEMBER	1
DSE2 LAB: PARASITOLOGY LAB	-	Identification of adult and life stages of Schistosoma haematobium, Taeniasolium through permanent slides/microphotographs	NOVEMBER	1
DSE2 LAB: PARASITOLOGY LAB	-	Identification of Pediculus humanus, Xenopsylla cheopis and Cimex lectularius through permanent slides/photographs	NOVEMBER	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC3: Non-Chordates II	Arthropoda	General characteristic sand Classification up to subclass	MARCH	2
CC3: Non-Chordates II	Arthropoda	Vision in Insecta	MARCH	1
CC3: Non-Chordates II	Arthropoda	Respiration in Arthropoda (Gills in prawn and trachea in cockroach)	MARCH	1

CC3: Non-Chordates II	Arthropoda	Metamorphosis in Lepidopteran Insects	MARCH	1
CC3: Non-Chordates II	Arthropoda	Social life in termite	MARCH	1
CC3: Non-Chordates II	Echinodermata	General characteristics and Classification up to orders	MARCH	1
CC3: Non-Chordates II	Echinodermata	Water-vascular system in Asteroidea	MARCH	1
CC3: Non-Chordates II	Echinodermata	Larval forms in Echinodermata	APRIL	1
CC3: Non-Chordates II	Echinodermata	Affinities with Chordates	APRIL	1
CC3 LAB: Non- Chordates II Lab	-	Study of digestive system, septal nephridia and pharyngeal nephridia of earthworm using model and chart	APRIL	1
CC3 LAB: Non- Chordates II Lab	-	T.S. through pharynx, gizzard, and intestine at typhlosolar region of earthworm	MAY	1
CC3 LAB: Non- Chordates II Lab	-	Mount of mouth parts and study of digestive system and nervous system of <i>Periplaneta</i>	MAY	3
CC3 LAB: Non- Chordates II Lab	-	To submit a Project Report on any related topic on larval forms (arthropods, mollusc and echinodermata)	MAY	2
CC4 LAB	-	Preparation of permanent slide to show the presence of Barr body in human female blood cells/cheek cells	JUNE	2

CC4 LAB	-	Study of cell viability by Trypan Blue staining from onion root tip/ blood cell	JUNE	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC8: Comparative Anatomy of Vertebrates	Integumentary System	Structure, function and derivatives of integument in amphibian, birds and mammals	MARCH	2
CC8: Comparative Anatomy of Vertebrates	Nervous System	Comparative account of brain	MARCH	1
CC8: Comparative Anatomy of Vertebrates	Nervous System	Cranial nerves in mammals	MARCH	1

CC8: Comparative Anatomy of Vertebrates	Sense Organs	Classification of receptors	MARCH	1
CC8: Comparative Anatomy of Vertebrates	Sense Organs	Brief account of auditory receptors in vertebrate	MARCH	1
CC8 LAB: Comparative Anatomy of Vertebrates Lab	-	Identification of mammalian skulls: One herbivorous(Guineapig) and one carnivorous animal (Dog)	APRIL	1
CC10: IMMUNOLOGY	Immunology of diseases	Malaria, Filariasis, Dengue and Tuberculosis	APRIL	5
SEC2: Medical Diagnostic techniques	Introduction to Medical Diagnostics and its Importance	-	APRIL	1
SEC2: Medical Diagnostic techniques	Diagnostics Methods Used for Analysis of Blood	Blood composition, Preparation of blood smear and Differential Leucocyte Count (D.L.C) using Leishman's stain	APRIL	1
SEC2: Medical Diagnostic techniques	Diagnostics Methods Used for Analysis of Blood	Platelet count using haemocytometer, Erythrocyte Sedimentary Rate (E.S.R), Packed Cell Volume (P.C.V.)	APRIL	1
SEC2: Medical Diagnostic techniques	Diagnostic Methods Used for Urine Analysis	Urine Analysis: Physical characteristics; Abnormal constituents	MAY	2
SEC2: Medical Diagnostic techniques	Non-infectious Diseases	Causes, types, symptoms, complications ,diagnosis and prevention of Diabetes (Type I and Type II)	MAY	1
SEC2: Medical Diagnostic techniques	Non-infectious Diseases	Hypertension (Primary and secondary),Testing of blood glucose using Glucometer/Kit	MAY	2
SEC2: Medical Diagnostic techniques	Infectious Diseases	Causes, types, symptoms, diagnosis and prevention of Tuberculosis and Hepatitis, Malarial parasite (Microscope based and ELISA based)	JUNE	4

SEC2: Medical Diagnostic techniques	Clinical Biochemistry	LFT, Lipid profiling	JUNE	1
SEC2: Medical Diagnostic techniques	Clinical Microbiology	Antibiotic Sensitivity Test	JUNE	1
SEC2: Medical Diagnostic techniques	Tumours	Types (Benign/Malignant), Detection and metastasis.	JUNE	1
SEC2: Medical Diagnostic techniques	Tumours	Medical imaging: X-Ray of Bone fracture, PET, MRI and CT scan (using photographs)	JUNE	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC13: Developmental Biology	Late Embryonic Development	Fate of Germ Layers	FEBRUARY	1
CC13: Developmental Biology	Late Embryonic Development	Extra-embryonic membranes in birds	FEBRUARY	1
CC13: Developmental Biology	Late Embryonic Development	Implantation of embryo in humans	FEBRUARY	1
CC13: Developmental Biology	Late Embryonic Development	Placenta(Structure, types and functions of placenta)	FEBRUARY	2
CC13 LAB: Developmental Biology Lab	-	Identification of whole mounts of developmental stages of chick through permanent slides: Primitive streak (13 to 18 hours), 21-33h, 36-48h and 72- 96 hours of incubation (Hamilton and Hamburger stages)	FEBRUARY	2
CC13 LAB: Developmental Biology Lab	-	Study and identification of different sections of placenta (through photo micrograph/slides)	FEBRUARY	1
DSE4: ENDOCRINOLOGY	Introduction to Endocrinology	General idea of Endocrine systems, Classification, Characteristics and Transport of Hormones	FEBRUARY	1
DSE4: ENDOCRINOLOGY	Introduction to Endocrinology	Neurosecretions and Neurohormones	FEBRUARY	1

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CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ZOOLOGY GENERAL				
NAME OF THE TEACHER: DR. SUJATA ROY MOULIK				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL/ GENERIC		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-I: ANIMAL DIVERSITY	PHYLUM CNIDARIA	General characters and classification up to classes; Polymorphism in Hydrozoa	AUGUST	2
CC-I: ANIMAL DIVERSITY	PHYLUM ARTHROPODA	General characters and classification up to classes	AUGUST	1
CC-I: ANIMAL DIVERSITY	PHYLUM ARTHROPODA	Vision in insect, Metamorphosis in Insects	SEPTEMBER	2
CC-I: ANIMAL DIVERSITY	AGNATHA	General features and classification up to classes (Young, 1981)	SEPTEMBER	1

CC-I: ANIMAL DIVERSITY	MAMMALS	Classification up to Subclasses (Young, 1981); Origin & distribution of Cranial nerves in <i>Cavia</i>	SEPTEMBER	2
CC-I LAB: ANIMAL DIVERSITY LAB	Study of the following permanent slides: Transverse section of male and female <i>Ascaris</i>	-	NOVEMBER	1
CC-I LAB: ANIMAL DIVERSITY LAB	Identification of poisonous and non-poisonous snakes	-	NOVEMBER	1
CC-I LAB: ANIMAL DIVERSITY LAB	An "animal album" with appropriate write up about any animal taxa	-	NOVEMBER	1

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL		
SEMESTER: III – NO CLASS ALOTTED				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-1: APPLIED ZOOLOGY	Introduction to Host-parasite Relationship	Host, Definitive host, Intermediate host, Parasitism, Symbiosis, Commensalism, Reservoir, Zoonosis	JULY	3
DSE-1: APPLIED ZOOLOGY	Parasitic Helminthes	Life history and pathogenicity of <i>Ancylostoma duodenale</i> and <i>Wuchereria bancrofti</i>	JULY	4
DSE-1: APPLIED ZOOLOGY	Insects of Economic Importance	Biology, Control and damage caused by <i>Helicoverpa armigera</i> , <i>Pyrilla perpusilla</i> and <i>Papilio demoleus</i> , <i>Callosobruchus chinensis</i> , <i>Sitophilus oryzae</i> and <i>Tribolium castaneum</i>	AUGUST	3
DSE-1: APPLIED ZOOLOGY	Insects of Medical Importance	Medical importance and control of <i>Pediculus humanus corporis</i> , <i>Anopheles</i> , <i>Culex</i> , <i>Aedes</i> , <i>Xenopsylla cheopis</i>	AUGUST	2

DSE-1: APPLIED ZOOLOGY	Animal Husbandry	Preservation of semen and artificial insemination in cattle	AUGUST	1
DSE-1: APPLIED ZOOLOGY	Poultry Farming	Principles of poultry breeding, Management of breeding stock and broilers, Processing and preservation of eggs	AUGUST	3
DSE-1 LAB: APPLIED ZOOLOGY LAB	-	Study and Identification of arthropod vectors associated with human diseases: <i>Pediculus</i> , <i>Culex</i> , <i>Anopheles</i> , <i>Aedes</i> and <i>Xenopsylla</i>	SEPTEMBER	1
DSE-1 LAB: APPLIED ZOOLOGY LAB	-	Study and Identification of insect damage to different plant parts/stored grains through damaged products/photographs	SEPTEMBER	1
DSE-1 LAB: APPLIED ZOOLOGY LAB	-	Identifying features and economic importance of <i>Nilaparvata lugens</i> , <i>Apion corchori</i> , <i>Scirpophaga incertulus</i> , <i>Callosobruchus chinensis</i> , <i>Sitophilus oryzae</i> and <i>Tribolium castaneum</i>	SEPTEMBER	1
DSE-1 LAB: APPLIED ZOOLOGY LAB	-	Visit to poultry farm/ animal breeding centre/ vector biology/ parasitology Centre. Submission of visit report	SEPTEMBER	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Integumentary System	Derivatives of integument with reference to glands and digital tips	MARCH	2

CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Circulatory System	Evolution of heart and aortic arches	MARCH	1
CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Nervous System	Comparative account of brain	MARCH	1
CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Sense Organs	Classification of receptors, Brief account of auditory receptors in vertebrate	APRIL	2
CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Early Embryonic Development	Gametogenesis: Spermatogenesis and oogenesis with reference to mammals, vitellogenesis in birds; Fertilization: external (amphibians), internal (mammals), blocks to polyspermy	APRIL	3
CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Early Embryonic Development	Early development of frog and chick (structure of mature egg and its membranes, patterns of cleavage, fate map, up to formation of gastrula); types of morphogenetic movements; Fate of germ layers; Neurulation in frog embryo.	APRIL	4
CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Late Embryonic Development	Implantation of embryo in humans, Formation of human placenta and functions, other types of placenta on the basis of histology; Metamorphic events in frog life cycle and its hormonal regulation	MAY	4
CC-2: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES	Control of Development	Fundamental processes in development (brief idea) – Gene activation, determination, induction, differentiation, morphogenesis, intercellular communication, cell movements and cell death	MAY	2
CC-2 LAB: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES LAB	OSTEOLOGY	Identification of limb bones and girdles of Columba and Cavia	MAY	2

CC-2 LAB: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES LAB	OSTEOLOGY	Identification of Mammalian skulls: Cavia and Canis	MAY	1
CC-2 LAB: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES LAB	-	Frog - Study of developmental stages - whole mounts and sections through permanent slides or photomicrographs – cleavage stages, blastula, gastrula, neurula, tail bud stage, tadpole external and internal gill stages.	MAY	2
CC-2 LAB: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES LAB	-	Study of the different types of placenta- histological sections through permanent slides or photomicrographs.	JUNE	1
CC-2 LAB: COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES LAB	-	Examination of gametes - frog/rat - sperm and ova through permanent slides or photomicrographs.	JUNE	1

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

SEC-2: MEDICAL DIAGNOSTICS	Introduction to Medical Diagnostics and its Importance	-	MARCH	1
SEC-2: MEDICAL DIAGNOSTICS	Diagnostics Methods Used for Analysis of Blood	Blood composition, Preparation of blood smear and Differential Leucocyte Count (D.L.C) using Leishman's stain,	MARCH	1
SEC-2: MEDICAL DIAGNOSTICS	Diagnostics Methods Used for Analysis of Blood	Platelet count using haemocytometer, Erythrocyte Sedimentary Rate (E.S.R), Packed Cell Volume (P.C.V.)	MARCH	1
SEC-2: MEDICAL DIAGNOSTICS	Diagnostic Methods Used for Urine Analysis	Urine Analysis: Physical characteristics; Abnormal constituents	MARCH	1
SEC-2: MEDICAL DIAGNOSTICS	Non-infectious Diseases	Causes, types, symptoms, complications, diagnosis and prevention of Diabetes (Type I and Type II), Hypertension (Primary and secondary), Testing of blood glucose using Glucometer/Kit	MARCH	3
SEC-2: MEDICAL DIAGNOSTICS	Infectious Diseases	Causes, types, symptoms, diagnosis and prevention of Tuberculosis and Hepatitis, Malaria	APRIL	3
SEC-2: MEDICAL DIAGNOSTICS	Clinical Biochemistry	LFT, Lipid profiling	APRIL	1
SEC-2: MEDICAL DIAGNOSTICS	Clinical Microbiology	Antibiotic Sensitivity Test	APRIL	1
SEC-2: MEDICAL DIAGNOSTICS	Medical Laboratory Technology	Tumor detection and metastasis; Medical imaging: X-Ray of Bone fracture, PET, MRI and CT scan	APRIL	2

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL/ GENERIC		
SEMESTER: VI- NO CLASS ALOTTED				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ZOOLOGY				
NAME OF THE TEACHER: DR. SUBHA MANNA				
DATE OF COMMENCEMENT OF CLASSES: 25.7.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: III (HONOURS)				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core T5- Chordates	Unit-8: Aves	1. General characteristics and classification up to Sub-Classes 2. Exoskeleton and migration in Birds 3. Principles and aerodynamics of flight in birds	July, 2022 to September, 2022	8
Core T6 – Animal Physiology: Controlling & Coordinating Systems	Unit-3: NervousSystem	1. Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve Fibers. 2. Types of synapse, Synaptic transmission and Neuro-muscular junction; 3. Reflex action and its types	September, 2022 to December, 2022	8
Core P7– Fundamentals of Biochemistry Lab		1. Paper chromatography of amino acids. 2. Quantitative estimation of protein by Lowry Method 3. Demonstration of protein separation by SDS-PAGE.	August, 2022 to December, 2022	
SEMESTER: III (GENERAL/ GENERIC)				
Core Course III - Physiology & Biochemistry	Unit-1 Nerve and muscle	1. Structure of a neuron, Resting membrane potential, Graded potential, Origin of Action potential and its propagation in myelinated and non-myelinated nerve fibres. 2. Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction.	July, 2022 to September, 2022	8

Core Course III- Physiology & Biochemistry	Unit-2 Digestion	Physiology of digestion in the alimentary canal; Absorption of carbohydrates, proteins, lipids	December, 2022	4
PRACTICAL				
Physiology & Biochemistry		1. Preparation of hemin crystals 2. Quantitative estimation of total protein in given solutions by Lowry's method.	August, 2022 to, November 2022	

DATE OF COMMENCEMENT OF CLASSES:25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/GENERAL/ GENERIC		
SEMESTER-V (HONOURS)				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
THEORY				
DSE T1- Animal Biotechnology	Unit-2: Molecular Techniques in Gene manipulation	1. Cloning vectors: Plasmids, Cosmids, Phagemids, Lambda Bacteriophage, M13, BAC, YAC, MAC and Expression vectors (characteristics). 2. Restriction enzymes: Nomenclature, detailed study of Type II. 3. Transformation techniques: Calcium chloride method and electroporation. 4. Construction of genomic and cDNA libraries and screening by colony and plaque hybridization 5. Southern, Northern and Western blotting 6. DNA sequencing: Sanger method 7. Polymerase Chain Reaction, DNA Fingerprinting and DNA microarray	July, 2022 to September, 2022	20
PRACTICAL				
DSE P1 – Animal Biotechnology Lab	Animal Biotechnology	Project report on animal cell culture	August, 2022 to September, 2022	
THEORY				
Core T11- Molecular Biology	Unit-7: DNA Repair Mechanisms	Types of DNA repair mechanisms, RecBCD model in prokaryotes, nucleotide and base excision repair, SOS repair	September, 2022 to October, 2022	3
Core T11- Molecular Biology	Unit-8: Principles of Molecular Techniques	1. PCR 2. Western and Southern blot 3. Northern Blot 4. Sanger DNA sequencing	October, 2022 to November, 2022	6

PRATICAL				
Core P11– Molecular Biology Lab		1.Isolation and quantification of genomic DNA using spectrophotometer (A260 measurement) (demonstration only) 2. Demonstration of agarose gel electrophoresis for DNA	August, 2022 to September, 2022	

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: Yet to dissolve		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core T4- Cell Biology	Unit-5: Cytoskeleton	1. Type, structure and functions of cytoskeleton 2. Accessory proteins of microfilament &microtubule 3. A brief idea about molecular motors	March, 2023 to April, 2023	5
Core T4- Cell Biology	Unit-3: Cytoplasmic organelles I	1. Structure and Functions: Endoplasmic Reticulum, Golgi Apparatus, Lysosomes 2. Protein sorting and mechanisms of vesicular transport	May, 2023 to June, 2023	5

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: Yet to dissolve		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core T10- Immunology	Unit-5: Major- Histocompatibility Complex	1. Structure and functions of MHC molecules. 2. Structure of Tcell Receptor and its signalling, 3. Tcell development &selection	March, 2023 to April, 2023	7
Core T9- Animal Physiology: Life Sustaining Systems	Unit-5: Thermoregulation & Osmoregulation	1. Physiological classification based on thermal biology. 2. Thermal biology of endotherms 3. Osmoregulation in aquatic vertebrates 4. External osmoregulatory organs invertebrates	April, 2023 to May, 2023	4
Core T9- Animal Physiology: Life Sustaining Systems	Unit-6: Renal Physiology	1. Structure of Kidney and its functional unit, 2. Mechanism of urine formation, 3. Regulation of acid-base balance	June,2023 to July, 2023	4

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: VI				
HONOURS				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
Core T13- Developmental Biology	Unit-2: Early Embryonic Development	6. Early development of frog and chick up to gastrulation; 7. Embryonic induction and organizers	February, 2023	4
Core T13- Developmental Biology	Unit-4: Post Embryonic Development	1. Development of brain and Eye in Vertebrate 2. Regeneration: Modes of regeneration, epimorphosis, morphallaxis and compensatory regeneration (with one example each)	March, 2023 to April, 2023	8
DSE T3– Animal Behaviour	Unit-4: Introduction to Chronobiology	1. Historical developments in chronobiology; 2. Biological oscillation: the concept of Average, amplitude, phase and period 3. Adaptive significance of biological clocks	May, 2023	4
DSE T3– Animal Behaviour	Unit-5: Biological Rhythm	1. Types and characteristics of biological rhythms :Short- and Long-term rhythms; Circadian rhythms; Tidal rhythms and Lunar rhythms; 2. Concept of synchronization and masking; Photic and non-photoc zeitgebers; Circannual rhythms; 3. Photoperiod and regulation of seasonal reproduction of vertebrates; 4. Role of melatonin.	June, 2023	6
GENERAL/ GENERIC				
DSE 2- Immunology	Unit-3 Antigens	Basic properties of antigens, B and T cell epitopes, haptens and adjuvants	February, 2023	3
DSE 2- Immunology	Unit-4 Antibodies	Structure, classes and function of antibodies, monoclonal antibodies, antigen antibody interactions as tools for research and diagnosis	March, 2023 to April, 2023	5

DSE 2- Immunology	Unit-7 Vaccines	General introduction to vaccines, Types of vaccines	May, 2023	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION:		PROGRAM TYPE:		
2022-2023		HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1: FINANCIAL ACCOUNTING-I	Unit 1: Theoretical Framework	i) The nature of financial accounting principles– Basic concepts and conventions: entity, money measurement, going concern, cost, realization, accruals, periodicity, consistency, prudence (conservatism), materiality and full disclosures. ii) Financial accounting standards: Concept, benefits, procedure for issuing accounting standards in India. Salient features of First-Time Adoption of Indian Accounting Standard (Ind-AS) 101. International Financial Reporting Standards (IFRS): - Need and procedures.	AUGUST 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 2: a) Single Entry to Double Entry	Distinction between Single Entry System and Double Entry System; Defects of Single Entry System	AUGUST 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 2: a) Single Entry to Double Entry	Preparation of Accounts from Incomplete Records-conversion from Single Entry System to Double Entry System.	AUGUST 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 3: a) Consignment Accounting	Consignment: Basic features; difference with sales. Recording in the books of Consignor – at cost & at invoice price, Valuation of unsold stock; Ordinary commission. Treatment and valuation of abnormal & normal loss. Special commission: Del credere commission (with and without bad debt) - use of Consignment Debtors A/C. Recording in the books of Consignee	SEPTEMEBR 2022	1
CC-1: FINANCIAL ACCOUNTING-I	Unit 3: a) Consignment Accounting	Consignment: Basic features; difference with sales. Recording in the books of Consignor – at cost & at invoice price, Valuation of unsold stock; Ordinary commission. Treatment and valuation of abnormal & normal loss. Special commission: Del credere commission (with and without bad debt) - use of Consignment Debtors A/C. Recording in the books of Consignee	NOVEMBER 2022	2

CC-1: FINANCIAL ACCOUNTING-I	Unit 3: a) Consignment Accounting	Consignment: Basic features; difference with sales. Recording in the books of Consignor – at cost & at invoice price, Valuation of unsold stock; Ordinary commission. Treatment and valuation of abnormal & normal loss. Special commission: Del credere commission (with and without bad debt) - use of Consignment Debtors A/C. Recording in the books of Consignee	DECEMBER 2022	5
CC-1: FINANCIAL ACCOUNTING-I	Unit 5: Partnership Accounts I	P/L Appropriation account; Capital & Current account; Guarantee – by firm, by partner and both; correction of appropriation items with retrospective effect. Change in constitution of firm – change in P/S ratio	DECEMBER 2022	6
CC-1: FINANCIAL ACCOUNTING-I	Unit 5: Partnership Accounts I	Admission, retirement and retirement cum admission – treatment of Goodwill, revaluation of assets & liabilities (with/without alteration of books), treatment of reserve and adjustment relating to capital; treatment of Joint Life Policy, Death of a partner	DECEMBER 2022	6

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION:		PROGRAM TYPE:		
2020-2021		GENERAL		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1: FINANCIAL ACCOUNTING-I	Unit 1: Theoretical Framework	i) The nature of financial accounting principles– Basic concepts and conventions: entity, money measurement, going concern, cost, realization, accruals, periodicity, consistency, prudence (conservatism), materiality and full disclosures. ii) Financial accounting standards: Concept, benefits, procedure for issuing accounting standards in India. Salient features of First-Time Adoption of Indian Accounting Standard (Ind-AS) 101. International Financial Reporting Standards (IFRS): - Need and procedures.	AUGUST 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 2: a) Single Entry to Double Entry	Distinction between Single Entry System and Double Entry System; Defects of Single Entry System	AUGUST 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 2: a) Single Entry to Double Entry	Preparation of Accounts from Incomplete Records-conversion from Single Entry System to Double Entry System.	AUGUST 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 3: a) Consignment Accounting	Consignment: Basic features; difference with sales. Recording in the books of Consignor – at cost & at invoice price, Valuation of unsold stock; Ordinary commission. Treatment and valuation of abnormal & normal loss. Special commission: Del credere commission (with and without bad debt) - use of Consignment Debtors A/C. Recording in the books of Consignee	SEPTEMEBR 2022	1
CC-1: FINANCIAL ACCOUNTING-I	Unit 3: a) Consignment Accounting	Consignment: Basic features; difference with sales. Recording in the books of Consignor – at cost & at invoice price, Valuation of unsold stock; Ordinary commission. Treatment and valuation of abnormal & normal loss. Special commission: Del credere commission (with and without bad debt) - use of	NOVEMBER 2022	2

		Consignment Debtors A/C. Recording in the books of Consignee		
CC-1: FINANCIAL ACCOUNTING-I	Unit 3: a) Consignment Accounting	Consignment: Basic features; difference with sales. Recording in the books of Consignor – at cost & at invoice price, Valuation of unsold stock; Ordinary commission. Treatment and valuation of abnormal & normal loss. Special commission: Del credere commission (with and without bad debt) - use of Consignment Debtors A/C. Recording in the books of Consignee	DECEMBER 2022	5
CC-1: FINANCIAL ACCOUNTING-I	Unit 5: Partnership Accounts I	P/L Appropriation account; Capital & Current account; Guarantee – by firm, by partner and both; correction of appropriation items with retrospective effect. Change in constitution of firm – change in P/S ratio	DECEMBER 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION:			PROGRAM TYPE:	
2022-2023			HONOURS	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6: COST ACCOUNTING-II	Unit 1: (a) Job costing (b) Batch Costing	Meaning, principles, process and equitability of Job Costing, Advantages and limitation of Job Costing, Preparation of Job Cost Sheet and procedure of Job Costing.	JULY 2022	5
CC-6: COST ACCOUNTING-II	Unit 5: Marginal Costing	Definition of marginal cost and marginal costing, features of marginal costing, comparison between direct costing, marginal costing and absorption costing, advantages and limitations of marginal costing, cost-volume-profit analysis, profit volume chart, break-even analysis, graphical presentation of break-even chart, limitation of break-even analysis, methods of break- even analysis, margin of safety, angle of incidence.	JULY 2022	5
CC-6: COST ACCOUNTING-II	Unit 5: Marginal Costing	Definition of marginal cost and marginal costing, features of marginal costing, comparison between direct costing, marginal costing and absorption costing, advantages and limitations of marginal costing, cost-volume-profit analysis, profit volume chart, break-even analysis, graphical presentation of break-even chart, limitation of break-even analysis, methods of break- even analysis, margin of safety, angle of incidence.	JULY 2022	5
CC-6: COST ACCOUNTING-II	Unit 5: Marginal Costing	Definition of marginal cost and marginal costing, features of marginal costing, comparison between direct costing, marginal costing and absorption costing, advantages and limitations of marginal costing, cost-volume-profit analysis, profit volume chart, break-even analysis, graphical presentation of break-even chart, limitation of break-even analysis, methods of break- even analysis, margin of safety, angle of incidence.	SEPTEMBER 2022	2
CC-7: FINANCIAL ACCOUNTING- II	Unit 4: Partnership Accounts-II	Accounting for dissolution of firm – insolvency of one or more partner, consideration of private estate and	NOVEMBER 2022	5

		private liabilities. Piecemeal distribution – surplus capital basis; maximum possible loss basis.		
CC-7: FINANCIAL ACCOUNTING- II	Unit 4: Partnership Accounts-II	Accounting for dissolution of firm – insolvency of one or more partner, consideration of private estate and private liabilities. Piecemeal distribution – surplus capital basis; maximum possible loss basis.	DECEMBER 2022	5
CC-7: FINANCIAL ACCOUNTING- II	Unit 5: Company Accounts- Introduction	Issue of Shares – issue, forfeiture, reissue, issue other than in cash consideration and issue to the promoters; Pro-rata issue of shares. Sweat, Right and Bonus Shares. Underwriting of shares and debentures: Rules; Determination of Underwriters Liability – with marked, unmarked & firm underwriting; Accounting. Employee Stock Option Plan – meaning; rules; Vesting Period; Exercise Period. Accounting for ESOP. Meaning and Accounting of ESOPs. Buy Back of Securities – meaning, rules and Accounting.	DECEMBER 2022	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION:		PROGRAM TYPE:		
2020-2021		GENERAL		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5: COST ACCOUNTING-II	Unit 1: (a) Job costing (b) Batch Costing	Meaning, principles, process and equitability of Job Costing, Advantages and limitation of Job Costing, Preparation of Job Cost Sheet and procedure of Job Costing.	JULY 2022	5
CC-5: COST ACCOUNTING-II	Unit 4: Marginal Costing	Absorption Costing versus Variable Costing: Distinctive features and income determination. Cost- Volume-Profit Analysis, Profit / Volume ratio.Break-even analysis-algebraic and graphic methods. Angle of incidence, margin of safety, Key factor	AUGUST 2022	8
CC-5: COST ACCOUNTING-II	Unit 4: Marginal Costing	Absorption Costing versus Variable Costing: Distinctive features and income determination. Cost- Volume-Profit Analysis, Profit / Volume ratio.Break-even analysis-algebraic and graphic methods. Angle of incidence, margin of safety, Key factor	SEPTEMBER 2022	2
CC-5: COST ACCOUNTING-II	Unit 5: Book Keeping in Cost Accounting	Integral and non-integral systems; Reconciliation of cost and financial accounts	NOVEMBER 2022	5
CC-6: FINANCIAL ACCOUNTING- II	Unit 5: Partnership accounts	Accounting for dissolution of firm – insolvency of one or more partner, consideration of private estate and private liabilities, Piecemeal distribution.	NOVEMBER 2022	5
CC-6: FINANCIAL ACCOUNTING- II	Unit 5: Partnership accounts	Accounting for dissolution of firm – insolvency of one or more partner, consideration of private estate and private liabilities, Piecemeal distribution.	DECEMBER 2022	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 29.11.2022	
ACADEMIC SESSION:			PROGRAM TYPE:	
2022-2023			HONOURS	
SEMESTER: V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11: TAXATION-I	Unit 3: Income under the head Salaries and its Computation	Income under the head Salaries and its Computation	JULY 2022	5
CC-11: TAXATION-I	Unit 3: Income under the head Salaries and its Computation	Income under the head Salaries and its Computation	AUGUST 2022	8
CC-11: TAXATION-I	Unit 3: Income under the head Salaries and its Computation	Income under the head Salaries and its Computation	SEPTEMBER 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 29.11.2022	
ACADEMIC SESSION:			PROGRAM TYPE:	
2020-2021			GENERAL	
SEMESTER: V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9: TAXATION-I	Unit 3: Income under the head Salaries and its Computation	Income under the head Salaries and its Computation	JULY 2022	5
CC-9: TAXATION-I	Unit 3: Income under the head Salaries and its Computation	Income under the head Salaries and its Computation	AUGUST 2022	8
CC-9: TAXATION-I	Unit 3: Income under the head Salaries and its Computation	Income under the head Salaries and its Computation	SEPTEMBER 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: JUNE 2023		
ACADEMIC SESSION:		PROGRAM TYPE:		
2022-2023		HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3: COST ACCOUNTING-I	Unit 1: Introduction to Cost Accounting / Basic Concepts	Meaning – Cost, Costing, Cost Accounting, Cost Accountancy. Objectives and Scope of Cost Accounting, Evolution of Cost Accounting, Advantages and Limitations, Cost Centers and Cost Units, Cost Classification for Stock Valuation, Profit measurement, Decision making and Control. Elements of Cost and Cost Systems, Cost Control and Cost Reduction, Cost behaviour pattern, Installation of Costing System, Role of Cost Accountant in an Organization, Preparation of Cost Sheet. Relationship between Costing with Financial Accounting, and Management Accounting, Methods of Costing, and Technique of Costing.	MARCH 2023	5
CC-3: COST ACCOUNTING-I	Unit 1: Introduction to Cost Accounting / Basic Concepts	Meaning – Cost, Costing, Cost Accounting, Cost Accountancy. Objectives and Scope of Cost Accounting, Evolution of Cost Accounting, Advantages and Limitations, Cost Centers and Cost Units, Cost Classification for Stock Valuation, Profit measurement, Decision making and Control. Elements of Cost and Cost Systems, Cost Control and Cost Reduction, Cost behaviour pattern, Installation of Costing System, Role of Cost Accountant in an Organization, Preparation of Cost Sheet. Relationship between Costing with Financial Accounting, and Management Accounting, Methods of Costing, and Technique of Costing.	APRIL 2023	5
CC-3: COST ACCOUNTING-I	Unit 4: Cost Ascertainment (C) Overheads	Introduction, Classification, Allocation, Apportionment, and Absorption of Overheads. i) Accounting and Control of Factory/Manufacturing Overheads. Primary distribution and Secondary distribution of factory overhead, Methods of absorbing overheads to various Products/Jobs, Types of overhead rates, Treatment of under absorbed and over absorbed overheads. ii) Accounting and Control of Administrative Overheads. Accounting treatment and control of administrative overheads. iii) Accounting and Control of Selling and Distribution Overheads. Concepts related to capacity, Treatment of certain items in costing:	APRIL 2023	5

		interest and financial charges, depreciation, packing expenses, fringe benefits, bad debt, training expenses, research and development, canteen expenses, expenses for welfare activities.		
CC-3: COST ACCOUNTING-I	Unit 4: Cost Ascertainment (C) Overheads	Introduction, Classification, Allocation, Apportionment, and Absorption of Overheads. i) Accounting and Control of Factory/Manufacturing Overheads. Primary distribution and Secondary distribution of factory overhead, Methods of absorbing overheads to various Products/Jobs, Types of overhead rates, Treatment of under absorbed and over absorbed overheads. ii) Accounting and Control of Administrative Overheads. Accounting treatment and control of administrative overheads. iii) Accounting and Control of Selling and Distribution Overheads. Concepts related to capacity, Treatment of certain items in costing: interest and financial charges, depreciation, packing expenses, fringe benefits, bad debt, training expenses, research and development, canteen expenses, expenses for welfare activities.	MAY 2023	5
CC-3: COST ACCOUNTING-I	Unit 4: Cost Ascertainment (C) Overheads	Introduction, Classification, Allocation, Apportionment, and Absorption of Overheads. i) Accounting and Control of Factory/Manufacturing Overheads. Primary distribution and Secondary distribution of factory overhead, Methods of absorbing overheads to various Products/Jobs, Types of overhead rates, Treatment of under absorbed and over absorbed overheads. ii) Accounting and Control of Administrative Overheads. Accounting treatment and control of administrative overheads. iii) Accounting and Control of Selling and Distribution Overheads. Concepts related to capacity, Treatment of certain items in costing: interest and financial charges, depreciation, packing expenses, fringe benefits, bad debt, training expenses, research and development, canteen expenses, expenses for welfare activities.	JUNE 2023	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: JUNE 2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2020-2021			GENERAL	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-4: COST ACCOUNTING-I	Unit 4: Overheads I	Unit 4: Overheads I 20 Lectures Definition, Classification of Overhead, Allocation and apportionment of Overhead; Absorption of Overhead: various methods and their application; Treatment of under absorption/over absorption of overheads; Basic concepts of different Capacities.	MARCH 2023	4
CC-4: COST ACCOUNTING-I	Unit 4: Overheads I	Unit 4: Overheads I 20 Lectures Definition, Classification of Overhead, Allocation and apportionment of Overhead; Absorption of Overhead: various methods and their application; Treatment of under absorption/over absorption of overheads; Basic concepts of different Capacities.	APRIL 2023	6
CC-4: COST ACCOUNTING-I	Unit 4: Overheads I	Unit 4: Overheads I 20 Lectures Definition, Classification of Overhead, Allocation and apportionment of Overhead; Absorption of Overhead: various methods and their application; Treatment of under absorption/over absorption of overheads; Basic concepts of different Capacities.	MAY 2023	4
CC-4: COST ACCOUNTING-I	Unit 4: Overheads I	Unit 4: Overheads I 20 Lectures Definition, Classification of Overhead, Allocation and apportionment of Overhead; Absorption of Overhead: various methods and their application; Treatment of under absorption/over absorption of overheads; Basic concepts of different Capacities.	JUNE 2023	4

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: JUNE 2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2022-2023			HONOURS	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8: FINANCIAL ACCOUNTING-III	Unit 1: Accounting for Share Capital & Debentures	Issue, forfeiture and reissue of forfeited shares: concept & process of book building; Issue of rights and bonus shares; Redemption of Preference shares;Issue and Redemption of Debentures	MARCH 2023	5
CC-8: FINANCIAL ACCOUNTING-III	Unit 1: Accounting for Share Capital & Debentures	Issue, forfeiture and reissue of forfeited shares: concept & process of book building; Issue of rights and bonus shares; Redemption of Preference shares;Issue and Redemption of Debentures	APRIL 2023	7
CC-8: FINANCIAL ACCOUNTING-III	Unit 4: Internal & External Reconstruction of Companies	Accounting of Internal & External Reconstruction of Companies	APRIL 2023	5
CC-8: FINANCIAL ACCOUNTING-III	Unit 4: Internal & External Reconstruction of Companies	Accounting of Internal & External Reconstruction of Companies	MAY 2023	5
CC-8: FINANCIAL ACCOUNTING-III	Unit 4: Internal & External Reconstruction of Companies	Accounting of Internal & External Reconstruction of Companies	JUNE 2023	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: JUNE 2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2020-2021			GENERAL	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-7: FINANCIAL ACCOUNTING-III	Unit 1:Accounting for Share Capital & Debentures	Issue, forfeiture and reissue of forfeited shares: concept & process of book building; Issue of rights and bonus shares; Redemption of Preference shares;	MARCH 2023	5
CC-7: FINANCIAL ACCOUNTING-III	Unit 1:Accounting for Share Capital & Debentures	Issue, forfeiture and reissue of forfeited shares: concept & process of book building; Issue of rights and bonus shares; Redemption of Preference shares;	APRIL 2023	7
CC-7: FINANCIAL ACCOUNTING-III	Unit 2: Accounting for Debentures	Issue and Redemption of Debentures	MAY 2023	5
CC-7: FINANCIAL ACCOUNTING-III	Unit 2: Accounting for Debentures	Issue and Redemption of Debentures	JUNE 2023	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2022-2023			HONOURS	
SEMESTER:VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 13: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 1: Introduction	Financial Management: Meaning, core elements, objectives and scope – Role of Finance Manager – Concept of time value of money – Techniques for dealing with time value of money.	MARCH 2023	5
CC- 13: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 3: Capital Budgeting Decision	Meaning and importance of capital budgeting decisions – Capital budgeting appraisal methods: Payback period method, accounting rate of return method, net present value method, internal rate of return method and profitability index method.	APRIL 2023	7
CC- 13: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 3: Capital Budgeting Decision	Meaning and importance of capital budgeting decisions – Capital budgeting appraisal methods: Payback period method, accounting rate of return method, net present value method, internal rate of return method and profitability index method.	MAY 2023	8
CC-14: TAXATION-II	Unit 1	a) Income of other Persons included in Assessee’s Total Income: Remuneration of spouse, income from assets transferred to spouse and Son’s wife, income of minor. b) Set off and Carry Forward of Losses Mode of set off and carry forward, inter source and inter head set off, carry forward and set off of losses u/s 71B, 72, 73, 74, 74A.	MAY 2023	5
DSE-4	NA	PROJECT WORK	MARCH 2022	2
DSE-4	NA	PROJECT WORK	APRIL 2022	2
DSE-4	NA	PROJECT WORK	MAY 2022	2
DSE-4	NA	PROJECT WORK	JUNE 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: TARUN KUMAR SARKAR				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2020-2021			GENERAL	
SEMESTER:VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-3: TAXATION-II	Unit 1	a) Income of other Persons included in Assessee’s Total Income Remuneration of spouse, income from assets transferred to spouse and Son’s wife, income of minor. b) Set off and Carry Forward of Losses Mode of set off and carry forward, inter source and inter head set off, carry forward and set off of losses u/s 71B, 72, 73, 74, 74A.	MARCH 2023	2
DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 1: Introduction	Financial Management: Meaning, core elements, objectives and scope – Role of Finance Manager – Concept of time value of money	MARCH 2023	2
DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 3: Capital Budgeting Decision	Meaning and importance of capital budgeting decisions – Capital budgeting appraisal methods: Payback period method, accounting rate of return method, net present value method, internal rate of return method and profitability index method	APRIL 2023	5
DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 3: Capital Budgeting Decision	Meaning and importance of capital budgeting decisions – Capital budgeting appraisal methods: Payback period method, accounting rate of return method, net present value method, internal rate of return method and profitability index method	JUNE 2023	8

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION:		PROGRAM TYPE:		
2022-2023		HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	SEPTEMEBR 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	NOVEMBER 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	DECEMBER 2022	4

CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	JANUARY 2023	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	FEBRUARY 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASSES: 09.02.2023		
ACADEMIC SESSION:		PROGRAM TYPE:		
2020-2021		GENERAL		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	SEPTEMEBR 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	NOVEMBER 2022	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	DECEMBER 2022	4

CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	JANUARY 2023	3
CC-1: FINANCIAL ACCOUNTING-I	Unit 4: Insurance Claim for Loss of Stock and for Loss of Profit	Loss of stock: Physical & ownership concept; concept of under-insurance and average clause; computation of claim – with price change; consideration of unusual selling line; price reduction etc.Loss of profit: Concept – insured & uninsured standing charges, GP rate, short sales and increased cost of working, average clause and computation of claim	FEBRUARY 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION:		PROGRAM TYPE:		
2022-2023		HONOURS		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-6: COST ACCOUNTING-II	Unit 4: Standard Costing	Meaning of standard cost and standard costing, features, various types of standards, setting up of standard costs, basic concept of material and labour standards, Variance Analysis – material and labour. Advantage and criticism of standard costing.	JULY 2022	10
CC-7: FINANCIAL ACCOUNTING- II	Unit 1: Accounting for Hire Purchase and Installment Payment Systems	Meaning; difference with Installment payment system; Recording of transaction in the books of buyer – allocation of interest – use of Interest Suspense a/c – partial and complete repossession Books of Seller – Stock and Debtors A/C (with repossession) Books of Seller – H.P. Trading A/C (with repossession) Concept of operating and financial lease – basic concept only	JULY 2022	5
CC-7: FINANCIAL ACCOUNTING- II	Unit 1: Accounting for Hire Purchase and Installment Payment Systems	Meaning; difference with Installment payment system; Recording of transaction in the books of buyer – allocation of interest – use of Interest Suspense a/c – partial and complete repossession Books of Seller – Stock and Debtors A/C (with repossession) Books of Seller – H.P. Trading A/C (with repossession) Concept of operating and financial lease – basic concept only	AUGUST 2022	5
CC-7: FINANCIAL ACCOUNTING- II	Unit 2: Accounting for Inland Branches and Departmental accounts	Concept of Branch; different types of Branches. Synthetic method – preparation of Branch account. Preparation of Branch Trading and P/L account. (at cost & at IP) – normal and abnormal losses. Analytical method – preparation	SEPTEMBER 2022	5

		of Branch Stock, Adjustment etc A/C (at cost & at IP) – normal & abnormal losses Independent branch – concept of wholesale profit and basic idea of incorporation. Concept, objective of preparation of departmental accounts; apportionment of common cost; Preparation of Departmental Trading and P/L account, Consolidated Trading and P/L account; inter departmental transfer of goods at cost, cost plus and at selling price and elimination of unrealized profit.		
CC-7: FINANCIAL ACCOUNTING- II	Unit 2: Accounting for Inland Branches and Departmental accounts	Concept of Branch; different types of Branches. Synthetic method – preparation of Branch account. Preparation of Branch Trading and P/L account. (at cost & at IP) – normal and abnormal losses. Analytical method – preparation of Branch Stock, Adjustment etc A/C (at cost & at IP) – normal & abnormal losses Independent branch – concept of wholesale profit and basic idea of incorporation. Concept, objective of preparation of departmental accounts; apportionment of common cost; Preparation of Departmental Trading and P/L account, Consolidated Trading and P/L account; inter departmental transfer of goods at cost, cost plus and at selling price and elimination of unrealized profit.	NOVEMBER 2022	5
CC-7: FINANCIAL ACCOUNTING- II	Unit 2: Accounting for Inland Branches and Departmental accounts	Concept of Branch; different types of Branches. Synthetic method – preparation of Branch account. Preparation of Branch Trading and P/L account. (at cost & at IP) – normal and abnormal losses. Analytical method – preparation of Branch Stock, Adjustment etc A/C (at cost & at IP) – normal & abnormal losses Independent branch – concept of wholesale profit and basic idea of incorporation. Concept, objective of preparation of departmental accounts; apportionment of common cost; Preparation of Departmental Trading and P/L account,	DECEMBER 2022	5

		Consolidated Trading and P/L account; inter departmental transfer of goods at cost, cost plus and at selling price and elimination of unrealized profit.		

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION:		PROGRAM TYPE:		
2020-2021		GENERAL		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-5: COST ACCOUNTING-II	Unit 3: Methods of Costing-II	Process costing- Meaning, Features, Process vs Job Costing, Principles of cost ascertainment for Materials, Labour& Overhead; Normal loss, Abnormal loss and gain and preparation of process accounts.	AUGUST 2022	5
CC-5: COST ACCOUNTING-II	Unit 3: Methods of Costing-II	Process costing- Meaning, Features, Process vs Job Costing, Principles of cost ascertainment for Materials, Labour& Overhead; Normal loss, Abnormal loss and gain and preparation of process accounts.	SEPTEMBER 2022	10
CC-6: FINANCIAL ACCOUNTING- II	Unit1: Accounting for Hire-Purchase and Installment Systems	Accounting for Hire-Purchase Transactions, Journal entries and ledger accounts in the books of Hire Vendors and Hire purchaser for large value items including Default and repossession.	NOVEMBER 2022	5
CC-6: FINANCIAL ACCOUNTING- II	Unit2: Departmental Accounting	Departmental Accounting	DECEMBER 2022	10

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION:		PROGRAM TYPE:		
2022-2023		HONOURS		
SEMESTER: V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-11: TAXATION-I	Unit 1	a) Basic Concepts and Definitions under IT Act-Assessee, Previous year, Assessment year, Person, Income, Sources of income, Heads of income, Gross total income, Total income, Maximum marginal rate of tax, Capital Gains (Short term and long term). b) Residential Status and Incidence of Tax, Determination of Residential status of Individual assessee. c) Incomes which do not form part of Total Income Except section 10AA.	JULY 2022	7
CC-11: TAXATION-I	Unit 2	a) Basic Concepts and Definitions under IT Act-Assessee, Previous year, Assessment year, Person, Income, Sources of income, Heads of income, Gross total income, Total income, Maximum marginal rate of tax, Capital Gains (Short term and long term). b) Residential Status and Incidence of Tax, Determination of Residential status of Individual assessee. c) Incomes which do not form part of Total Income Except section 10AA.	AUGUST 2022	8
CC-11: TAXATION-I	Unit 2: Agricultural Income	Definition, determination of agricultural and non-agricultural Income, assessment of tax liability when there are both agricultural and non-agricultural incomes	SEPTEMBER 2022	5
CC-11: TAXATION-I	House Property	Income under the head House Property and its Computation	SEPTEMBER 2022	3
CC-11: TAXATION-I	House Property	Income under the head House Property and its Computation	NOVEMBER 2022	4
DSE-1: MANAGEMENT ACCOUNTING	Unit 1: Introduction	Management Accounting: Definition, Objectives, Scope, Functions, Advantages, Limitations, Techniques and need – Comparison with Financial	NOVEMBER 2022	6

		Accounting and Cost Accounting – Role of Management Accountant.		
DSE-1: MANAGEMENT ACCOUNTING	Unit 4: Cash Flow Statement	Concepts of funds. Preparation of cash flow statement as per Indian Accounting Standard (Ind- AS): 7.	NOVEMEBR 2022	6

CHANDERNAGORE COLLEGE					
CURRICULUM PLAN					
SUBJECT: ACCOUNTING & FINANCE					
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY					
DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022			
ACADEMIC SESSION:		PROGRAM TYPE:			
2020-2021		GENERAL			
SEMESTER: V					
PAPER		UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-9:	TAXATION-I	Unit 1	a) Basic Concepts and Definitions under IT Act-Assessee, Previous year, Assessment year, Person, Income, Sources of income, Heads of income, Gross total income, Total income, Maximum marginal rate of tax, Capital Gains (Short term and long term). b) Residential Status and Incidence of Tax, Determination of Residential status of Individual assessee. c) Incomes which do not form part of Total Income Except section 10AA.	JULY 2022	7
CC-9:	TAXATION-I	Unit 2	a) Basic Concepts and Definitions under IT Act-Assessee, Previous year, Assessment year, Person, Income, Sources of income, Heads of income, Gross total income, Total income, Maximum marginal rate of tax, Capital Gains (Short term and long term). b) Residential Status and Incidence of Tax, Determination of Residential status of Individual assessee.c) Incomes which do not form part of Total Income Except section 10AA.	AUGUST 2022	8
CC-9:	TAXATION-I	Unit 2: Agricultural Income	Definition, determination of agricultural and non-agricultural Income, assessment of tax liability when there are both agricultural and non-agricultural incomes	SEPTEMBER 2022	5
CC-9:	TAXATION-I	Unit 4: House Property	Income under the head House Property and its Computation	SEPTEMBER 2022	4
CC-9:	TAXATION-I	Unit 4: House Property	Income under the head House Property and its Computation	DECEMBER 2022	4

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: JUNE 2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2022-2023			HONOURS	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-3: COST ACCOUNTING-I	Unit 2: Cost Ascertainment (a) Material cost	Material Control-Meaning, Objectives, Requirements and Elements of material control, Material procurement procedures, Valuation of material receipts, Material storage and records. Inventory Control-Meaning, Settings of Stock Levels, Techniques of Inventory Control. Material Issue procedure and valuation of material issues. Selection of pricing methods- FIFO, LIFO, Average. Treatment of Normal and Abnormal loss of material. Accounting and Control of Waste, Scrap, Spoilage and Defectives.	MARCH 2023	5
CC-3: COST ACCOUNTING-I	Unit 2: Cost Ascertainment (a) Material cost	Material Control-Meaning, Objectives, Requirements and Elements of material control, Material procurement procedures, Valuation of material receipts, Material storage and records. Inventory Control-Meaning, Settings of Stock Levels, Techniques of Inventory Control. Material Issue procedure and valuation of material issues. Selection of pricing methods- FIFO, LIFO, Average. Treatment of Normal and Abnormal loss of material. Accounting and Control of Waste, Scrap, Spoilage and Defectives.	APRIL 2023	8
CC-3: COST ACCOUNTING-I	Unit 3: Cost Ascertainment (a)Labour cost / Employee Cost	Meaning of Labour Cost, Classification of Labour Cost, Labour cost control, Attendance and payroll procedures: Time Keeping and Time Booking, Idle Time, Overtime, Labour turnover, Incentive System, System of Wage Payments and Incentives, Time rate and piece rate system, Efficiency rating procedures-Labour productivity.	MAY 2023	5
CC-3: COST ACCOUNTING-I	Unit 3: Cost Ascertainment (a)Labour cost / Employee Cost	Meaning of Labour Cost, Classification of Labour Cost, Labour cost control, Attendance and payroll procedures: Time Keeping and Time Booking, Idle Time, Overtime, Labour turnover, Incentive System, System of Wage	JUNE 2023	10

		Payments and Incentives, Time rate and piece rate system, Efficiency rating procedures- Labour productivity.		

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: JUNE 2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2020-2021			GENERAL	
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-4: COST ACCOUNTING-I	Unit 1: Introduction	Meaning, objectives and advantages of cost accounting; Difference between cost accounting and financial accounting; Cost concepts and classifications; Elements of cost; Cost Sheet, Installation of a costing system; Role of a cost accountant in an organization.	MARCH 2023	5
CC-4: COST ACCOUNTING-I	Unit 1: Introduction	Meaning, objectives and advantages of cost accounting; Difference between cost accounting and financial accounting; Cost concepts and classifications; Elements of cost; Cost Sheet, Installation of a costing system; Role of a cost accountant in an organization.	MARCH 2023	4
CC-4: COST ACCOUNTING-I	Unit 2: Material	Material/inventory control techniques. Accounting and control of purchases, storage and issue of materials. Methods of pricing of materials issues — FIFO, LIFO, Simple Average, Weighted Average, Replacement, Standard Cost. Treatment of Material Losses	APRIL 2023	7
CC-4: COST ACCOUNTING-I	Unit 2: Material	Material/inventory control techniques. Accounting and control of purchases, storage and issue of materials. Methods of pricing of materials issues — FIFO, LIFO, Simple Average, Weighted Average, Replacement, Standard Cost. Treatment of Material Losses	MAY 2023	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: JUNE 2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2022-2023			HONOURS	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8: FINANCIAL ACCOUNTING-III	Unit 2: Final Accounts	Preparation of Profit and Loss Account and Balance sheet of corporate entities, excluding calculation of managerial remuneration, Disposal of company profits	MARCH 2023	5
CC-8: FINANCIAL ACCOUNTING-III	Unit 2: Final Accounts	Preparation of Profit and Loss Account and Balance sheet of corporate entities, excluding calculation of managerial remuneration, Disposal of company profits	APRIL 2023	7
CC-8: FINANCIAL ACCOUNTING-III	Unit 3: Valuation of Goodwill and Valuation of Shares	Goodwill- Valuation of different methods- Average Profit, Super Profit, Capitalization and Annuity. Valuation of Shares- Valuation of different methods- Asset Approach, Earnings Approach, Dividend Yield, Fair Value Method, Price-Earning Method, Productivity	MAY 2023	5
CC-8: FINANCIAL ACCOUNTING-III	Unit 3: Valuation of Goodwill and Valuation of Shares	Goodwill- Valuation of different methods- Average Profit, Super Profit, Capitalization and Annuity. Valuation of Shares- Valuation of different methods- Asset Approach, Earnings Approach, Dividend Yield, Fair Value Method, Price-Earning Method, Productivity	JUNE 2023	5

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: JUNE 2023		
ACADEMIC SESSION:		PROGRAM TYPE:		
2020-2021		GENERAL		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-7: FINANCIAL ACCOUNTING-III	Unit 4: Valuation of Goodwill	Goodwill- Valuation of different methods- Average Profit, Super Profit, Capitalization and Annuity.	MARCH 2023	5
CC-7: FINANCIAL ACCOUNTING-III	Unit 4: Valuation of Goodwill	Goodwill- Valuation of different methods- Average Profit, Super Profit, Capitalization and Annuity.	APRIL 2023	5
CC-7: FINANCIAL ACCOUNTING-III	Unit5: Valuation of Shares	Valuation of Shares- Valuation of different methods- Asset Approach, Earnings Approach, Dividend Yield, Fair Value Method, Price-Earning Method, Productivity Factor Method Concepts and calculation: simple problems only	MAY 2023	8
CC-7: FINANCIAL ACCOUNTING-III	Unit5: Valuation of Shares	Valuation of Shares- Valuation of different methods- Asset Approach, Earnings Approach, Dividend Yield, Fair Value Method, Price-Earning Method, Productivity Factor Method Concepts and calculation: simple problems only	JUNE 2023	7

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2022-2023			HONOURS	
SEMESTER:VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 13: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 4: Working Capital Management	Meaning and classification of working capital – Concept and importance of working capital management – Determinants of working capital requirement – Estimating working capital requirement – Strategies of financing current assets.	MARCH 2023	6
CC-14: TAXATION-II	Unit 2	a) Deductions from Gross Total Income Basic concepts, deductions u/s 80C, 80CCC, 80CCD, 80CCE, 80D, 80DD, 80DDB, 80E, 80G, 80GG, 80GGC, 80TTA, 80U b) Rebate u/s 87A	MARCH 2023	5
CC-14: TAXATION-II	Unit 3	a) Deductions from Gross Total Income Basic concepts, deductions u/s 80C, 80CCC, 80CCD, 80CCE, 80D, 80DD, 80DDB, 80E, 80G, 80GG, 80GGC, 80TTA, 80U b) Rebate u/s 87A	APRIL 2023	5
CC-14: TAXATION-II	Unit 4	a) Deductions from Gross Total Income Basic concepts, deductions u/s 80C, 80CCC, 80CCD, 80CCE, 80D, 80DD, 80DDB, 80E, 80G, 80GG, 80GGC, 80TTA, 80U b) Rebate u/s 87A	MAY 2023	5
DSE-4	NA	PROJECT WORK	MARCH 2022	2
DSE-4	NA	PROJECT WORK	APRIL 2022	2
DSE-4	NA	PROJECT WORK	MAY 2022	2
DSE-4	NA	PROJECT WORK	JUNE 2022	2

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: ACCOUNTING & FINANCE				
NAME OF THE TEACHER: KAMAL KISHORE BANDYOPADHYAY				
DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION:			PROGRAM TYPE:	
2020-2021			GENERAL	
SEMESTER:VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-3: TAXATION-II	Unit 2	Deductions from Gross Total Income Basic concepts, deductions u/s 80C, 80D, 80DD, 80E, 80G, 80GG,	MARCH 2023	5
DSE-3: TAXATION-II	Unit 3	Deductions from Gross Total Income Basic concepts, deductions u/s 80C, 80D, 80DD, 80E, 80G, 80GG,	APRIL 2023	5
DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 4: Working Capital Management	Meaning and classification of working capital – Concept and importance of working capital management – Determinants of working capital requirement – Estimating working capital requirement	MAY 2023	7
DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT	Unit 4: Working Capital Management	Meaning and classification of working capital – Concept and importance of working capital management – Determinants of working capital requirement – Estimating working capital requirement	JUNE 2023	8

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: MANAGEMENT				
NAME OF THE TEACHER: SAMIRAN MALLIK				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASS: 09.02.2023	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
BUSINESS MANAGEMENT CC-2	UNIT-4	Unit 4: Staffing and Leading a) Staffing: Concept, Process b) Motivation: Concept, Importance. c).	AUGUST, 2022	3
BUSINESS MANAGEMENT CC-2	UNIT-4	Motivation theories - Maslow's Need-Hierarchy Theory;	SEPTEMBER,2022	4
BUSINESS MANAGEMENT CC-2	UNIT-4	Herzberg's Two-factor Theory.	OCTOBER,2022	3
BUSINESS MANAGEMENT CC-2	UNIT-4	Leadership: Concept, Importance, Theories of Leadership (Likert's scale theory, Blake and Mouten's Managerial Grid theory, Trait Theory)	NOVEMBER,2022	3
BUSINESS MANAGEMENT CC-2	UNIT-5	Control - Concept, Process, Limitations,	DECEMBER,2022	4
BUSINESS MANAGEMENT CC-2	UNIT-5	Principles of Effective Control, Major Techniques of Control - Ratio Analysis, ROI, Budgetary Control, EVA, PERT/CPM (Concept only)	JANUARY ,2023	4
BUSINESS MANAGEMENT CC-2	UNIT-5	Major Techniques of Control - Ratio Analysis, ROI, Budgetary Control, EVA, PERT/CPM (Concept only)	FEBRUARY,2023	2

DATE OF COMMENCEMENT OF CLASSES: 23.08.2022			DATE OF DISSOLUTION OF CLASS: 09.02.2023	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: GENERAL	
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-2 BUSINESS MANAGEMENT	UNIT-4	a) Staffing: Concept, Process: Motivation: Concept, Importance,	AUGUST,2022	3
CC-2 BUSINESS MANAGEMENT	UNIT-4	Motivation: Concept, Importance, Motivation theories - Maslow’s Need-Hierarchy Theory;.	SEPTEMBER,2022	4
CC-2 BUSINESS MANAGEMENT	UNIT-4	Herzberg’s Two-factor Theory	OCTOBER, 2022	2
CC-2 BUSINESS MANAGEMENT	UNIT-4	Leadership: Concept, Importance, Theories of Leadership (Likert’s scale theory, Blake and Mouten’s Managerial Grid theory, Trait Theory).	NOVEMBER,2022	4
CC-2 BUSINESS MANAGEMENT	UNIT-4	Control - Concept, Process, Limitations, Principles of Effective Control,	DECEMBER,2022	4
CC-2 BUSINESS MANAGEMENT	UNIT-4	Major Techniques of Control - Ratio Analysis, ROI, Budgetary Control, EVA, PERT/CPM (Concept only)	JANUARY, 2023	4
CC-2 BUSINESS MANAGEMENT	UNIT-4	Major Techniques of Control - Ratio Analysis, ROI, Budgetary Control, EVA, PERT/CPM (Concept only)	FEBRUARY ,2023	2

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DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
MANAGEMENT ACCOUNTING DSE-1	UNIT-3	Unit 3: Ratio Analysis : Lectures Meaning, Objectives, Advantages and Limitations – Classification of accounting ratios from different viewpoints – Important accounting ratios used in analysing liquidity, solvency, profitability, managerial efficiency, capital structure.	JULY,2022	6
MANAGEMENT ACCOUNTING DSE-1	UNIT-3	Computation and interpretation of important accounting ratios.	AUGUST,2022	8
MANAGEMENT ACCOUNTING DSE-1	UNIT-3	Preparation of financial statements and statements of proprietors’ fund from the given ratios	SEPTEMBER 2022	6
MANAGEMENT ACCOUNTING DSE-1	UNIT-4	Cash Flow Statement : Concepts of funds.	OCTOBER .2022	5
MANAGEMENT ACCOUNTING DSE-1	UNIT-4	Preparation of cash flow statement as per Indian Accounting Standard (Ind-AS): 7.	NOVEMBER 2022	5
IFS DSE-2	UNIT-1	Financial System and its Components: Financial markets and institutions; Financial intermediation.	JULY 2022	6
IFS DSE-2	UNIT-1	An overview of Indian financial system; Important aspects of reforms in the Indian Financial Sector following liberalization.	AUGUST 2022	9
DSE-2	UNIT-2	Unit 2: Financial Markets: Money market – functions, organization and instruments (Treasury Bill, Commercial Bill, Commercial Paper).	SEPTEMBER 2022	6
DSE-2	UNIT-2	Role of RBI in adjustment of liquidity in Indian Money Market; Capital Market – functions, organization and instruments.	NOVEMBER 2022	5
DSE-2	UNIT-2	Indian debt market; Indian equity market – primary and secondary markets; Major stock exchanges in India.	DECEMBER 2022	4
DSE-2	UNIT-3	Financial Institutions: Commercial banking – introduction, its role in project finance and working capital finance; Development Financial institutions (DFIs) – An overview and role in Indian	DECEMBER 2022	5

		economy;		
DSE-2	UNIT-3	Mutual Funds – Introduction and their role in capital market development. Non-banking financial companies (NBFCs).	JANUARY,2023	7
DSE-2	UNIT-3	Mutual Funds – Introduction and their role in capital market development. Non-banking financial companies (NBFCs).	FEBRUARY, 2023	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
INDIAN FINANCIAL SYSTEM DSE-2	UNIT-1	Financial markets and institutions; Financial intermediation	JULY,2022	2
INDIAN FINANCIAL SYSTEM DSE-2	UNIT-1	; Financial system and economic development; An overview of Indian financial system;	AUGUST,2022	6
INDIAN FINANCIAL SYSTEM DSE-2	UNIT-1	Important aspects of reforms in the Indian Financial Sector following liberalization.	SEPTEMBER,2 022	2
INDIAN FINANCIAL SYSTEM DSE-2	UNIT-2	Money market – functions, organization and instruments (Treasury Bill, Commercial Bill, Commercial Paper); Role of RBI in adjustment of liquidity in Indian Money Market;	SEPTEMBER,2 022	4
INDIAN FINANCIAL SYSTEM DSE-2	UNIT-2	Capital Market – functions, organization and instruments. Indian debt market;.	OCTOBER,202 2	2
INDIAN FINANCIAL SYSTEM DSE-2	UNIT-2	Indian equity market – primary and secondary markets; Major stock exchanges in India.	NOVEMBER,2 023	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II (NOT APPLICABLE)				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED		
SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: II (NOT APPLICABLE)				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
MHRM CC-9	UNIT-4	Consumer Behaviour : Nature and Importance, Consumer’s buying decision process.	MARCH,2023	3
MHRM CC-9	UNIT-4	Factors influencing consumer’s buying behavior.	APRIL,2023	5
MHRM CC-9	UNIT-4	Marketing Research: Meaning, Types and Techniques,	MAY,2023	3
MHRM CC-9	UNIT-4	Market Segmentation – Concept, Importance and Bases, Target Market selection,	JUNE,2023	2
MHRM CC-9	UNIT-4	Positioning – Concept, importance and Bases.	JULY,2023	2
MHRM CC-9	UNIT-2	Human Resource Planning, Development and Maintenance : Quantitative and Qualitative dimensions; job analysis – job description and job specification; recruitment & selection (concept & importance), training & development (concept & importance), performance appraisal (concept & importance),	JUNE,2023	5
MHRM CC-9	UNIT-2	training & development (concept & importance), performance appraisal (concept & importance),	JULY,2023	6
MHRM CC-9	UNIT-2	Concept of industrial relations	AUGUST 2023	2

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023			DATE OF DISSOLUTION OF CLASSES: YET TO BE DISSOLVED	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: GENERAL	
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
ENTREPRENEURSHIP SEC-3	UNIT-3	Public and private system of stimulation, support and sustainability of entrepreneurship, Role of Central Government and State Government in promoting entrepreneurship with various incentives, subsidies, grants etc.,	MARCH,2023	4
ENTREPRENEURSHIP SEC-3	UNIT-3	Institutional support for entrepreneurship development – NEDB, NIESBUD, EDII, MSME-DI, DIC, DO-MSME, SFC, Commercial Banks, Cooperative Banks, Regional Rural Banks.	APRIL,2023	6
ENTREPRENEURSHIP SEC-3	UNIT-4	Significance of writing the business plan/ project planning; Contents of business plan / project planning;	MAY,2023	6
ENTREPRENEURSHIP SEC-3	UNIT-4	Preparation of project report (various aspects of the project report such as size of investment, nature of product, market potential may be covered) and conducting feasibility studies.;	JUNE,2023	4
ENTREPRENEURSHIP SEC-3	UNIT-5	Mobilising resources for start-up. Accommodation and utilities; Preliminary contracts with the vendors, suppliers, bankers, principal customers;	JULY,2023	6
ENTREPRENEURSHIP SEC-3	UNIT-5	Contract management: Basic start-up problems.	AUGUST,2023	4

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: HONOURS	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
FFM CC-13	UNIT-2	Sources of Finance, Cost of Capital and Capital Structure Analysis . Different sources of finance: Long term and short-term sources,	JANUARY 2023	4
FFM CC-13	UNIT-2	Cost of Capital: Meaning, relevance and classification – Measurement of specific cost of capital and weighted cost of capital,	JANUARY 2023	3
FFM CC-13	UNIT-2	Weighted cost of capital,	FEBRUARY 2023	3
FFM CC-13	UNIT-2	Capital Structure- Concept, importance and determinants,	APRIL 2023	4
FFM CC-13	UNIT-2	Concepts of DOL, DFL, DTL and Trading on equity and their computations (simple type).	MAY 2023	3
FFM CC-13	UNIT-2	Concepts of DOL, DFL, DTL and Trading on equity and their computations (simple type).	JUNE 2023	3
DSE-4	N.A.	PROJECT WORK	APRIL 2023	2
DSE-4	N.A.	PROJECT WORK	MAY 2023	3
DSE-4	N.A.	PROJECT WORK	JUNE 2023	3

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023			DATE OF DISSOLUTION OF CLASSES: 16.06.2023	
ACADEMIC SESSION: 2022-2023			COURSE TYPE: GENERAL	
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
P.S.S. SEC-4	UNIT-1	Nature and importance of personal selling, myths of selling, Difference between Personal Selling, Salesmanship and Sales Management,	MARCH 2023	4
P.S.S. SEC-4	UNIT-1	Characteristics of a good salesman, types of selling situations, types of salespersons.	APRIL 2023	6
P.S.S. SEC-4	UNIT-1	Career opportunities in selling, Measures for making selling an attractive career.	MAY 2023	10
P.S.S. SEC-4	UNIT-2	Concept of motivation, Maslow’s theory of need hierarchy; Dynamic nature of motivation	JUNE 2023	7
P.S.S. SEC-4	UNIT-2	Buying motives and their uses in personal selling	JULY 2023	3
P.S.S. SEC-4	UNIT-3	Prospecting and qualifying; Pre-approach; Approach; Presentation and demonstration	JULY 2023	7
P.S.S. SEC-4	UNIT-3	Handling of objections; Closing the sale; Post sales activities.	AUGUST 2023	3

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: PALASH GARANI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
1.3 CH : BUSINESS MANAGEMENT: (CC-2)	Unit 2: Planning and Strategic Planning	b. Strategic Planning– Concept, process, Importance and limitations	August 2022	3
1.3 CH : BUSINESS MANAGEMENT: (CC-2)	Unit 2: Planning and Strategic Planning	c. Environmental Analysis and diagnosis (internal and external environment) – Definition.	September 2022	2
1.3 CH : BUSINESS MANAGEMENT: (CC-2)	Unit 2: Planning and Strategic Planning	d. Decision-making – concept, importance; Committee and Group Decision- making Process.	November 2022	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022			DATE OF DISSOLUTION OF CLASSES: 26.12.2022	
ACADEMIC SESSION: 2022-2023			PROGRAM TYPE: HONOURS	
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 5 : CORPORATE LAWS	Unit 3: Management	Classification of directors, women directors, independent director, small shareholder’s director; disqualifications, director identity number (DIN); appointment; Legal positions, powers and duties; removal of directors; Key managerial personnel, managing director, manager;	July 2022	6
CC- 5 : CORPORATE LAWS	Unit 3: Management	Meetings: Meetings of shareholders and board of directors; Types of meetings, Convening and conduct of meetings, Requisites of a valid meeting, Basic Concept of postal ballot & meeting through video conferencing, e-voting.	August 2022	9
CC- 6 : INCOME TAX LAW AND PRACTICE	Unit3: Computation of Income under different heads-II	Profits and gains of business or profession;	July 2022	6
SEC- 1 : E- COMMERCE	Unit 4: E-payment System	Models and methods of e– payments (Debit Card, Credit Card, Smart Cards, e-money), digital signatures (procedure, working and legal position), payment gateways,	August 2022	5
SEC- 1 : E- COMMERCE	Unit 4: E-payment System	Online banking (meaning, concepts, importance, electronic fund transfer, automated clearing house, automated ledger posting), risks involved in e- payments.	September 2022	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 12 : AUDITING	Unit-2: Audit of Companies	Audit of limited Companies: Company Auditor- Qualifications and Disqualifications, Appointment, Rotation, Removal, Remuneration,	July 2022	6
CC- 12 : AUDITING	Unit-2: Audit of Companies	Rights and Duties, Auditors Report, Liabilities of Statutory Auditors under the Companies Act. 2013	August 2022	5
CC- 12 : AUDITING	Unit-2: Audit of Companies	, Divisible Profit and Dividend with special reference to Depreciation, Provision and Reserves as per Companies Act. 2013.	September 2022	5

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – 4: BUSINESS LAW	Unit 1: The Indian Contract Act, 1872: General Principle of Law of Contract	a) Contract – meaning, characteristics and kinds. b) Essentials of a valid contract - Offer and acceptance, consideration, contractual capacity, free consent, legality of objects.	March 2023	6
CC – 4: BUSINESS LAW	Unit 1: The Indian Contract Act, 1872: General Principle of Law of Contract	c) Void agreements. d) Discharge of a contract – modes of discharge, breach and remedies against breach of contract. e) Contingent contracts. f) Quasi – contracts.	April 2023	8
CC – 4: BUSINESS LAW	Unit 2: The Indian Contract Act, 1872: Specific Contract	) Contract of Indemnity and Guarantee. b) Contract of Bailment. c) Contract of Agency.	May 2023	6
CC – 4: COST ACCOUNTING-I	Unit 5: Overheads II	Capacity Levels and Costs; Treatments of certain items in costing like interest on capital, packing expenses.	May 2023	5

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC-8 :4.2 CH : FUNDAMENTALS OF MARKETING MANAGEMENT	Unit 5: Promotion	Nature and importance of promotion; Types of promotion: advertising, personal selling,	March 2023	6
CC-8 :4.2 CH : FUNDAMENTALS OF MARKETING MANAGEMENT	Unit 5: Promotion	Public relations & sales promotion, Concept of Promotion mix.	April 2023	4
SEC – 2: 4.4 CH: ENTREPRENEURSHIP	Unit 3: Role of Government and Institutions in Entrepreneurshi p Development	Public and private system of stimulation, support and sustainability of entrepreneurship, Role of Central Government and State Government in promoting entrepreneurship with various incentives, subsidies, grants etc	March 2023	6
SEC – 2: 4.4 CH: ENTREPRENEURSHIP	Unit 3: Role of Government and Institutions in Entrepreneurshi p Development	., institutional support for entrepreneurship development – NEDB, NIESBUD, EDII, MSME-DI, DIC, DO-MSME, SFC, Commercial Banks, Cooperative Banks, Regional Rural Banks. Role of industries / entrepreneur’s associations and SHG.	April 2023	4
CC- 10: 4.5 CH: FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT	Unit 3: Training and Development	Concept and Importance of training, On-the-job and off- the-job methods for employee training and executive development,	May 2023	6
CC- 10: 4.5 CH: FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT	Unit 3: Training and Development	Management Development, Career Development	June 2023	5

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: HONOURS		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – 14 : INDIRECT TAX LAW	Unit II: Levy of GST:	Taxable event: Supply of Goods and Services, Classification of Goods and Services:	February 2023	8
CC – 14 : INDIRECT TAX LAW	Unit II: Levy of GST:	Composite and Mixed Supplies, Place of Supply (within state, interstate, import and export), Exemption from GST.	March 2023	7
CC – 14 : INDIRECT TAX LAW	Unit V: Customs Law	Basic concepts of Customs Law: Territorial waters, High seas, Types of custom duties – Basic,	April 2023	6
CC – 14 : INDIRECT TAX LAW	Unit V: Customs Law	Countervailing & Anti- Dumping Duty, Safeguard Duty, Computation of Customs Duties (except valuation), Import and Export Procedure.	May 2023	4
DSE – 3 : BUSINESS TAX PROCEDURES AND MANAGEMENT	Unit 5:	ICT and Tax System, TAN (Tax Deduction and Collection Account Number),	March 2023	6
DSE – 3 : BUSINESS TAX PROCEDURES AND MANAGEMENT	Unit 5:	TIN (Tax Information Network), e-TDS/e-TCS.	April 2023	4

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: B.COM				
NAME OF THE TEACHER: PALASH GARANI				
DATE OF COMMENCEMENT OF CLASSES: 23.08.2022		DATE OF DISSOLUTION OF CLASS: 09.02.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL		
SEMESTER: I				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
BUSINESS MANAGEMENT: (CC-2)	Unit 2: Planning and Strategic Planning	c. Environmental Analysis and diagnosis (internal and external environment) – Definition, Importance and Techniques (Concepts of SWOT/TOWS/WOTS- UP, Competitor Analysis), Business environment; Concept and Components	August 2022	2
BUSINESS MANAGEMENT: (CC-2)	Unit 2: Planning and Strategic Planning	d. Decision-making – concept, importance; Committee and Group Decision- making Process.	September 2022	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 26.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: GENERAL		
SEMESTER: III				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 5 : CORPORATE LAWS	Unit 3: Management	Classification of directors, women directors, independent director, small shareholder’s director; disqualifications, director identity number (DIN); appointment; Legal positions, powers and duties; removal of directors; Key managerial personnel, managing director, manager;	July 2022	4
CC- 5 : CORPORATE LAWS	Unit 3: Management	Legal positions, powers and duties; removal of directors; Key managerial personnel, managing director, manager;	August 2022	3
CC- 5 : CORPORATE LAWS	Unit 3: Management	Meetings: Meetings of shareholders and board of directors; Types of meetings,	September 2022	4
CC- 5 : CORPORATE LAWS	Unit 3: Management	Convening andconduct of meetings, Requisites of a valid meeting, Basic Concept of postal ballot & meeting through video conferencing, e-voting.	November 2023	4
CC- 6 : INCOME TAX LAW AND PRACTICE	Unit 3: Computation of Income under different heads-II	Profits and gains of business or profession;	July 2022	5

SEC- 1 : E-COMMERCE	Unit 4: E-payment System	Models and methods of e-payments (Debit Card, Credit Card, Smart Cards, e-money), digital signatures (procedure, working and legal position	August 2022	4
SEC- 1 : E-COMMERCE	Unit 4: E-payment System	), payment gateways, online banking (meaning, concepts, importance, electronic fund transfer, automated clearing house, automated ledger posting), risks involved in e-payments.	September 2022	3

DATE OF COMMENCEMENT OF CLASSES: 25.07.2022		DATE OF DISSOLUTION OF CLASSES: 29.11.2022		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER-V				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 10 :AUDITING	Unit-2: Audit of Companies	Audit of limited Companies: Company Auditor- Qualifications and Disqualifications,	July 2022	8
CC- 10 :AUDITING	Unit-2: Audit of Companies	Appointment, Rotation, Removal, Remuneration, Rights and Duties, Auditors Report, Liabilities of Statutory Auditors under the Companies Act. 2013,.	August 2022	6
CC- 10 :AUDITING	Unit-2: Audit of Companies	Divisible Profit and Dividend with special reference to Depreciation, Provision and Reserve as per Companies Act. 2013	September 2022	6
DSE-3 : INDIRECT TAX LAW	Unit II: Levy of GST:	Taxable event: Supply of Goods and Services, Classification of Goods and Services: Composite and Mixed Supplies,	August 2022	9
DSE-3 : INDIRECT TAX LAW	Unit II: Levy of GST:	Place of Supply (within state, interstate, import and export), Exemption from GST.	September 2022	4

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: II				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC – 3: BUSINESS LAW	Unit 1: The Indian Contract Act, 1872: General Principle of Law of Contract	a) Contract – meaning, characteristics and kinds. b) Essentials of a valid contract - Offer and acceptance, consideration, contractual capacity, free consent, legality of objects.	March 2023	7
CC – 3: BUSINESS LAW	Unit 1: The Indian Contract Act, 1872: General Principle of Law of Contract	c) Void agreements. d) Discharge of a contract – modes of discharge, breach and remedies against breach of contract. e) Contingent contracts. f) Quasi – contracts.	April 2023	8
CC – 3: BUSINESS LAW	Unit 2: The Indian Contract Act, 1872: Specific Contract	) Contract of Indemnity and Guarantee. b) Contract of Bailment. c) Contract of Agency.	May 2023	8
CC – 4: COST ACCOUNTING-I	Unit 5: Overheads II	Capacity Levels and Costs; Treatments of certain items in costing like interest on capital, packing expenses.	June 2023	5

DATE OF COMMENCEMENT OF CLASSES: 09.03.2023		DATE OF DISSOLUTION OF CLASSES: 07.08.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: IV				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
CC- 8: 4.2 CG: COST ACCOUNTING- II -	Unit 2: Methods of Costing-II	Process costing: Inter-process profit (simple cases). Joint Product & By Product.	March 2023	6
CC- 8: 4.2 CG: COST ACCOUNTING- II -	Unit 2: Methods of Costing-II	Joint Product & By Product.	April 2023	4
SEC – 3: 4.4 CG: ENTREPRENEURSHI P	Unit 3: Role of Government and Institutions in Entrepreneursh ip Development	Public and private system of stimulation, support and sustainability of entrepreneurship, Role of Central Government and State Government in promoting entrepreneurship with various incentives, subsidies, grants etc	March 2023	6
SEC – 2: 4.4 CG: ENTREPRENEURSHI P	Unit 3: Role of Government and Institutions in Entrepreneursh ip Development	., institutional support for entrepreneurship development – NEDB, NIESBUD, EDII, MSME-DI, DIC, DO-MSME, SFC, Commercial Banks, Cooperative Banks, Regional Rural Banks. Role of industries / entrepreneur’s associations and SHG.	April 2023	4
SEC – 2: 4.4 CG: ENTREPRENEURSHI P	Unit 5: Mobilising Resources	Mobilising resources for start- up. Accommodation and utilities; Preliminary contracts with the vendors, suppliers, bankers,	May 2023	5
SEC – 2: 4.4 CG: ENTREPRENEURSHI P	Unit 5: Mobilising Resources	principal customers; Contract management: Basic start-up problems.	June 2023	3

DATE OF COMMENCEMENT OF CLASSES: 01.02.2023		DATE OF DISSOLUTION OF CLASSES: 16.06.2023		
ACADEMIC SESSION: 2022-2023		COURSE TYPE: GENERAL		
SEMESTER: VI				
PAPER	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
DSE-3 : INDIRECT TAX LAW	Unit II: Levy of GST:	Taxable event: Supply of Goods and Services, Classification of Goods and Services:	February 2023	8
DSE-3 : INDIRECT TAX LAW	Unit II: Levy of GST:	Composite and Mixed Supplies, Place of Supply (within state, interstate, import and export), Exemption from GST.	March 2023	7
DSE-3 : INDIRECT TAX LAW	Unit V: Customs Law	Basic concepts of Customs Law: Territorial waters, High seas, Types of custom duties – Basic,	May 2023	6
DSE-3 : INDIRECT TAX LAW	Unit V: Customs Law	Countervailing & Anti- Dumping Duty, Safeguard Duty, Computation of Customs Duties (except valuation), Import and Export Procedure.	June 2023	4

CHANDERNAGORE COLLEGE				
CURRICULUM PLAN				
SUBJECT: COMMERCE				
NAME OF THE TEACHER: PROF. BASUDEB CHOUDHURY				
DATE OF COMMENCEMENT OF CLASSES: 01.07.2022		DATE OF DISSOLUTION OF CLASSES: 31.12.2022		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: I, III & V				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
FINANCIAL ACCOUNTING-I CC-1	Unit-2: Sectional and Self balancing ledger	Concept of sectional balancing, preparation of control accounts.	August	3
		Self balancing Ledger: advantages	September	1
		Recording process	November	1
		Recording process; preparation of Adjustment accounts	December	1
BUSINESS MANAGEMENT CC-2	Unit-5: Control	Control - Concept, Process, Limitations	July	2
		Principles of Effective Control	August	2
		Major Techniques of Control - Ratio Analysis, ROI, Budgetary Control,	September	1

		Major Techniques of Control - Ratio Analysis, ROI, Budgetary Control,	November	2
		EVA, PERT/CPM (Concept only)	December	2
COST ACCOUNTING- II CC-5	Unit-1: Methods of Costing-I a) Job costing	Meaning, Definition, Principles, Process	July	2
		applicability of job costing, Advantages and limitations of job costing	August	3
		Preparation of job cost sheet, Job cost cards and databases,	September	2
		Collecting direct costs of each job, Attributing Overhead costs to jobs	November	2
	b) Batch costing	Meaning, definition and features of batch costing, Applicability of batch costing	December	3
		Pre-preparation and statement of cost under batch costing	January	2
		Determination of Economic Batch Costing (EBC)	February	1

FINANCIAL ACCOUNTING- II CC-6	Unit-4: Accounting for Royalty	Accounting for Royalty	August	2
		Accounting for Royalty	November	2
		Accounting for Royalty	December	3
MANAGEMENT ACCOUNTING DSE-1	Unit-5: Standard Costing	Standard Costing and Variance Analysis: Meaning of standard cost and standard costing	August	3
		standard costing, advantages,	September	1
		limitations and applications	November	2
		Variance Analysis – material and labour	December	2
INDIAN FINANCIAL SYSTEM DSE-2	Unit-5: Leasing and hire– purchase	Venture capital finance-Definition	August	2
		Venture capital finance-Definition	September	2
		Stages; Factoring and Forfeiting services	November	3

DATE OF COMMENCEMENT OF CLASSES: 01.01.2023		DATE OF DISSOLUTION OF CLASSES: 30.07.2023		
ACADEMIC SESSION: 2022-2023		PROGRAM TYPE: HONOURS/ GENERAL/ GENERIC		
SEMESTER: II, IV & VI				
COURSE CODE & TITLE	UNIT NAME (TOPIC)	SUB UNIT NAME	MONTH	NUMBER OF CLASSES
COST ACCOUNTING-I CC-3	Unit-2: Cost Ascertainment A) Material Cost:	Material Control- Meaning, Objectives, Requirements and Elements of material control	February	3
		Material procurement procedures, Valuation of material receipts	March	3
		Material storage and records. Inventory Control-Meaning, Settings of Stock Levels, Techniques of Inventory Control	April	3
		Material Issue procedure and valuation of material issues. Selection of pricing methods- FIFO, LIFO, Average	May	3

		Treatment of Normal and Abnormal loss of material	June	2
		Accounting and Control of Waste, Scrap, Spoilage and Defectives.	July	1
BUSINESS MATHEMATICS GE-2	Unit-5: Index Numbers and Time Series Analysis	Meaning and types of index numbers, Problems of constructing index numbers	February	3
		Construction of price and quantity indices	March	3
		Test of index numbers- Factor reversal test and Time reversal	April	3
		Consumer price index and its uses	May	2
		Components of time series; Additive and multiplicative models; Secular trend	February	2

		Methods-Free hand curve method, semi-average method	March	3
		moving average method, least square method (linear only); Seasonal variations	April	2
		Simple averages, Ratio-to-trend, and Deviation from trend and Deviation from moving average	May	2
	Unit- 4: Correlation and Regression Analysis	Bivariate data, Scatter diagram, Pearson's correlation coefficient, Spearman's rank correlation	May	3
		Simple regression, properties of simple regression, Identification of regression lines	June	4
		Regression equations and estimation; Properties of regression coefficients	July	3

FINANCIAL ACCOUNTING-III CC-8	Unit-5: Accounts of Holding Companies/Parent Companies	Preparation of Consolidated Balance Sheet with one subsidiary company	February	3
		Relevant provisions of Accounting Standard: 21 (ICAI). Basic Idea in IND AS110	March	3
		different dates by the Parent company, chain and cross holding	April	3
ENTREPRENEURSHIP SEC-3	Unit-4: Sources of business ideas and tests of feasibility	Significance of writing the business plan/ project planning;	February	2
		Contents of business plan / project planning	March	2
		Preparation of project report	April	2
		conducting feasibility studies	May	3
DSE-4	SEMESTER - VI			
PERSONAL SELLING AND SALESMANSHIP SEC-4	Unit2: Buying Motives	Concept of motivation, Maslow's theory of need hierarchy	February	3

		Dynamic nature of motivation	March	3
		Buying motives	April	2
		;Buying their uses in personal selling	May	2