ANANDA MOHAN COLLEGE

SUPPLEMENTARY SELF APPRAISAL REPORT OF TEACHERS
(FOR THE PERIOD DURING WHICH COLLEGE WAS CLOSED DUE TO COVID SITUATION)

From 17.3. 2020 to 30.11 2020

NAME OF THE DEPARTMENT: BENGALI

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-2	CC-2 (HONS.)/3	BANGLA SAHITYER ITIHAS (19 SHATAK)	B.C. R.R. S.G. P.B.
	CC-2 (HONS.)/4	KABITA	A.G. P.B.
		KATHASAHITYA	R.R. P.B.
		NATAK	B.C.
		GADYA PRABANDHA	S.G. A.G.
	CC/GE-2 (GEN.)/2	OITIHASIK BHASHABIGYAN	A.G.
		CHHANDA	R.R. P.B. S.G.
		ALANKAR	B.C.

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-4	CC-4(HONS.)/8	BAISHNAB PADABALI	P.B.
		CHANDIMANGAL	R.R.
		SHAKTA PADABALI	A.G.
	CC-4(HONS.)/9	CHHANDA	S.G.
		ALANKAR	B.C.
		KABYA JIGYASA	P.B.
		ANUKARAN TATTWA	P.B.
	CC-4(HONS.)/10	KAMALAKANTER DAPTAR	P.B. R.R.
		EKALER PRABANDHA	A.G.
		SAHITYA	S.G.
		EKALER SAMALACHANA	B.C.
		CHINNAPATRA	R.R.
	CC/GE-4(GEN.)/4	PALLISAMAJ	P.B.
		CHOTO GALPA	P.B. R.R.
		PRABANDHA	R.R.

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-3	CC-3(HONS.)/5	BANGLA SAHITYER ITIHAS (20 SHATAK)	S.G. B.C. R.R. P.B. A.G.
	CC-3(HONS.)/6	BHASHABIGYAN	B.C. A.G. S.G.
	CC-3(HONS.)/7	JOGAJOG	A.G.
		ARANYER ODHIKAR	S.G.
		CHOTO GALPA	B.C. R.R. P.B.
	CC/GE-3(GEN.)/3	BAISHNAB PADABALI	B.C. A.G.
		PUNASCHA	S.G.
		EKALER KABITA	P.B.
		RAJA O RANI	R.R.

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-5	CC-5(HONS.)/11	KABITAR RUPKALPA	S.G.
		NATAKER RUPKALPA	A.G.
		UPANYASER RUPKALPA	R.R.
		CHOTOGALPA	P.B.
		PRABANDHA, SAMALACHANA	B.C.
	CC-5(HONS.)/12	BURO SHALIKER GHAR-E RO	B.C.
		MUKTADHARA	R.R.
		KARAGAR	A.G.
		TINER TOLOAR	S.G.
		RANGAMANCHER ITIHAS	P.B.

LCC

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-4	LCC(2)-4(GEN.)/1	BANGLA BHASHABIGYAN	B.C.
		SAHITYER RUPBHED	R.R. P.B.
		MEGHNAD BADH KABYA	S.G.

SEC

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-4	SEC-B-4(HONS.)/2	GALPA RACHANA	P.B.
		PRABANDHA RACHANA	R.R.
		BANGLA BANANER BIBARTAN	S.G.
		ANTORJATIK DHWANIMULOK BARNAMALA	A.G.
		ROMIO LIPI	B.C.

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-3	SEC-A-3(HONS.)/2	GALPASUTRA>KAHINI	R.R.
		GALPA/UPANYAS>NATYARUP/CHITRA NATYA	P.B.
		BANGLA BHASHA/SHABDA: UCHHARON	B.C.
		SAHITYA O CHALACHITRA	S.G.

DSE

	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEMESTER-5	DSE-A-5(HONS.)		P.B.
			R.R.
			B.C.
			A.G.
			S.G.
	DSE-B-5(HONS.)		P.B.
			R.R.
			B.C.
			A.G.
			S.G.
	DSE-A-5(GEN.)		P.B.
			R.R.
			B.C.
			A.G.
			S.G.

NAME OF THE DEPARTMENT: ENGLISH

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
2 (Hons)	CC3	Metaphysical Poetry	DRC
3 (Hons)	CC5	The Purloined Letter, The Crack-up, Dry September	NNS
3 (Hons)	CC5	American Poetry: Poems	SS
3 (Hons)	CC5	Hemingway	DG
3 (Hons)	CC6	Tintin	DG
3 (Hons)	CC7	The Rape of the Lock	NNS
3 (Hons)	CC7	Paradise Lost	RN
3 (Hons and Gen)	SECA-2	E-mail	DG
3 (Gen)	CC3/GE3	Sarojini Naidu	DG
4 (Hons)	CC8	Social and Intellectual Background	DRC
4 (Hons)	CC8	The Way of the World	DRC
4 (Hons)	CC8	Joseph Addison: Essays	SS
4 (Hons)	CC9	Social and Intellectual Background	DRC
4 (Hons)	CC9	Tintern Abbey & Kubla Khan	DRC
4 (Hons)	CC9	P.B. Shelley: Poems	SS
4 (Hons)	CC9	John Webster	RN
4 (Hons)	CC9	Charles Lamb	RN
4 (Hons)	CC10	Social and Intellectual Background	DRC
4 (Hons)	CC10	Ulysses & My Last Duchess	DRC
5 (Hons)	CC11	Wuthering Heights	NNS
5 (Hons)	CC11	Rassundari Devi: *Amar Jiban*	SS
5 (Hons)	CC11	Elizabeth Barret Browning	RN
5 (Hons)	DSEA1	Rabindranath Tagore: Poems	SS
5 (Hons)	CC11	Mary Wollstonecraft	DG
5 (Hons)	CC12	Pygmalion, Spring Offensive	NNS
5 (Hons)	CC12	Eliot & Yeats	DG
5 (Hons)	DSEA1	The Home and the World	DRC

5 (Hons)	DSEA1	Ismat Chugtai & Fakirmohan Senapati	DG
5 (Hons)	DSEA1	Muktibodh & Amrita Pritam	DG
5 (Hons)	DSEB1	Comedy	SS
5 (Hons)	DSEB1	Tragedy	DG
5 (Gen)	L1-2	Derozeo	DG
5 (Gen)	DSEA2	Muktibodh & Amrita Pritam	DG
5 (Gen)	SECA1	Structure of the Language	DG

NAME OF THE DEPARTMENT:HINDI

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
2	HIN-G-CC-2/GE-2	**MADHYAKALIN HINDI KAVITA**	Dr. RINA KUMARI
		a. Kabirdas	
		b. Surdas	
		c. Tulsidas	
		d. Mirabai	
		e. Raskhan	
		f. Bihari	
4	HIN-G-CC-4/GE-4	**HINDI GADHYA SAHITYA**	Dr. RINA KUMARI
		a. Upanyas - Tyagpatra	
		b. Kahani	
		c. Nibandh	
	HIN-G-LCC 2 (1)	**HINDI VYAKARAN AUR SAMPRESHAN**	Dr. RINA KUMARI
		a. Hindi VyakaranSanrachana	
		b.Awayay, Upsarg, Pratyay, Samash, Paryaywachi	
		c. Vilomshabd, Anekshabdon k eek shabd, Wakyashuddhi	
		e. Muhaware, lokokti, BhawVistar, Sakhepan	
		f. SampreshankiawadharanaaurMahatwa	
		g. Prakar, madhyam, technique	
		h. Adhyayan, Wachan, Charcha	
		i. Sakshatkar, Bhashan, RachnatmakLekhan	
3	HIN-G-CC-3	**ADHUNIK HINDI KAVITA**	Dr. RINA KUMARI
		a. Introduction	
		b. Bhartendu Harishchandra	

		c. Maithili Sharan Gupt	
		d. Jayshankar Prasad	
		e. Suryakant Tripathi Nirala	
		f. Agyey	
		g. Nagarjun	
	HINA/HING-SEC-A1	**VIGYAPAN**	Dr. RINA KUMARI
		a. Introduction	
		b. Udeshya, Mahatwa	
		c. VigyapanaurVipanan	
		d. Media planning	
		e. VigyapanaurMadhyam	
		f. VigyapanSrijan	
		g. Vigyapan Bhasha	
5	HIN-G--DSE-A	**CHAYAWAD**	Dr. RINA KUMARI
		a. Introduction	
		b. Jayshankar Prasad	
		c. Suryakant Tripathi Nirala	
		d. Sumitranandan Pant	
		e. Mahadevi Verma	

NAME OF THE DEPARTMENT : SANSKRIT

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
2	CC-A2/Generic Elective-2 (General	Survey of Sanskrit literature	Kaberi Sarkar
		Sivarajavijayam	”
4	CC-A4/Generic Elective-4 (General)	Laghusiddhanta-kaumudi (Visargasandhi, halsandhi)	Kaberi Sarkar
3	CC-A3/Generic Elective-3 (General)	Abhijnanasakuntalam : Acts I-IV	Kaberi Sarkar
		Origin and development of important prose romances	”

NAME OF THE DEPARTMENT: PHILOSOPHY

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
2	CC/GE-2	Western Epistemology And Metaphysics	MalabikaChakrabarti
4	CC-8 (HONS) CC-9 (HONS) CC-10 (HONS) SEC-B-2 (HONS) CC-4 (GEN) SEC-B-1(GEN)	Western Logic 1 Western Logic 2 Epistemology And Metaphysics (Western) Philosophy Of Human Rights Philosophy Of Mind Man And Environment	MalabikaChakrabarti
5	CC-11(HONS) CC-12 (HONS) DSE-B-1	Nyaya Logic And Epistemology Ethics (Indian) An Enquiry Concerning Human Understanding – D. Hume	MalabikaChakrabarti

NAME OF THE DEPARTMENT: HISTORY

SEMESTER	COURSE TITLE	NAME OF TOPIC	NAME OF TEACHERS COMPLETING THE TOPIC
2	Core Course 3 (Hons)	History of India (300 BCE – 750 CE)	Selina Jahan (SJ)
	Core Course 4 (Hons)	Social Formations of the Mediaeval World	Milan Roy (MR)
	Core Course/Generic Elective 2 (Gen)	History of India (300 BCE – 1206)	MR
4	Core Course 8 (Hons)	Rise of Modern West - 1	MR
	Core Course 9 (Hons)	History of India (1526 – 1605)	SJ
	Core Course 10 (Hons)	History of India (1605 – 1750)	SJ
	SEC B2 (Hons)	An Introduction to Indian Art	SJ
	Core Course/Generic Elective 4 (Gen)	History of India (1707 – 1950)	MR
	SEC B1 (Gen)	Museums and Archives of India	MR
3	Core Course 5 (Hons)	History of India (1750 – 1206)	SJ
	Core Course 6 (Hons)	Rise of Modern West - 2	MR
	Core Course 7 (Hons)	History of India (1206 – 1526)	SJ
	SEC A1 (Hons)	Archives and Museums	SJ
	Core Course/Generic Elective 3 (Gen)	History of India (1206 – 1707)	MR
	SEC A1 (Gen)	Historical Tourism: Theory and Practice	MR
5	Core Course 11 (Hons)	History of Modern Europe (1780 – 1857)	SJ
	Core Course 12 (Hons)	History of India (1750 – 1857)	SJ
	DSE A1 (Hons)	History of Bengal (1757 – 1905)	SJ
	DSE B2 (Hons)	History of South East Asia – the 19th Century	SJ
	DSE A (Gen)	Some Aspects of European History	MR

NAME OF THE DEPARTMENT - POLITICAL SCIENCE

Semester - 2

Course Title	Name of the Topic	Name of the Teacher completing the Topic
Core Course 3(Hons)	Constitutional Government in India	Ratna Basu
Core Course 4(Hons)	Politics in India: Structures and Processes	Supriyo Bhattacharjee
Core Course/Generic Elective 2 (General)	Comparative Government and Politics	Ratna Basu and Supriyo Bhattacharjee

Semester - 4

Course Title	Name of the Topic	Name of the Teacher completing the Topic
Core Course 8 (Hons)	Indian Political Thought II	Ratna Basu
Core Course 9 (Hons)	Global Politics Since 1945	Supriyo Bhattacharjee
Core Course 10 (Hons)	Western Political Thought and Theory I	Supriyo Bhattacharjee
SEC B1 (Hons)	Legislative Practices and Procedures	Ratna Basu
Core Course/Generic Elective 4 (General)	International Relations	Ratna Basu and Supriyo Bhattacharjee

Semester - 3

Course Title	Name of the Topic	Name of the Teacher completing the Topic
Core Course 5(Hons)	Indian Political Thought I	Ratna Basu
Core Course 7 (Hons)	Perspective on International Relations	Supriyo Bhattacharjee
Core Course/Generic Elective 3 (General)	Government and Politics in India	Ratna Basu and Supriyo Bhattacharjee

Semester - 5

Course Title	Name of the Topic	Name of the Teacher completing the Topic
Core Course 11	Western Political Thought and Theory II	Supriyo Bhattacharjee
Core Course 12	Political Sociology	Ratna Basu
DSE 1B (General)	Indian Foreign Policy	Supriyo Bhattacharjee

NAME OF THE DEPARTMENT: ECONOMICS

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
Semester IV (Economics Hons.)	Economics Core Course –X (ECO-A-CC-4-10-TH) Introductory Econometrics	Econometrics Basics of vector-matrix methods and multivariate calculus as applied in Econometrics. Basics of multivariate linear regression model. Microeconomics Economics of Market Failure. Various instances. Some important lemmas.	Someslal Mukhopadhyay
Semester IV (Economics Hons.)	Economics Core Course –X (ECO-A-CC-4-10-TH) Introductory Econometrics	1. Nature and Scope of Econometrics 2. Classical Linear Regression Model (Simple Linear Regression) 3. Statistical Inference in Linear Regression Model	Sk. Abdul Rashid
Semester III (B.Com)	CC 3.2 Ch: IFS	1. Indian Financial System 2. Money Market 3. Capital Market 4. Commercial Banking and Reserve Bank	Sk. Abdul Rashid
Semester IV (B.Com)	GE 4.1 Chg: Microeconomics II & Indian Economy	Unit: I Basic Issues in Economic Development Unit: II Basic Features of Indian Economy Unit: III Sectoral Trend and Issues	Sk. Abdul Rashid
Semester IV (Hons.)	Economics Core Course –IX (ECO-A-CC-4-9-TH) Intermediate Macroeconomics-II	**1. Basic Tenets of New Classical and New Keynesian Theories** • New Classical Theory-The concept of rational expectations and the theory of real business cycleintroductory ideas • New Keynesian Theory- nominal rigidities and real rigidities, rigidities in interest rates and credit rationing-introductory ideas **2. Macroeconomic Foundations -II** • Consumption: Keynesian consumption function; Fisher‘s theory of optimal intertemporal choice; life-cycle and permanent income hypotheses; Dusenberry‘s relative income hypothesis; rational expectations and random-walk of consumption expenditure. • Demand for money: Regressive Expectations and Tobin‘s portfolio choice models; Baumol‘s inventory theoretic money demand. **3. Economic Growth** • Harrod and Domar models of economic growth. • Solow one sector growth model-golden rule- -dynamic efficiency.	Nandini Daniari
Semester IV (Gen.)	Indian Economic Policies: ECO-G-CC-4-4-TH-TU/ ECO--GE-4-4-TH-TU	**1. Macroeconomic Policies and their Impact** Fiscal Policy; trade and investment policy; financial and monetary policies; labour regulation. 2. **Policies and Performance of Indian Foreign Trade** India‘s foreign trade: change in volume and direction of India‘s foreign trade in the postliberalization period; Balance of Payments position of India in recent years; India‘s export and import policies.	Nandini Daniari

Semester II (Gen.)	Introductory Macroeconomics: ECO-G-CC-2-2-TH / ECO--GE-2-2-TH /ECO-G-GE-2-2-TH	**1. The Simple Keynesian Model in a Closed Economy** The Keynesian consumption function and the Keynesian saving function. The Simple Keynesian Model of Income determination- the concept of effective demand-the Simple Keynesian Multiplier-the role of the government in Simple Keynesian Model **2. The Classical System** Basic ideas of classical system-Say's Law and Quantity Theory of Money- classical theory of income and employment determination	Nandini Daniari

SemesterV	Economics Core Course XI: ECO-A-CC-5-11-TH-TU	International Economics Entire course	Nandini Daniari
Semester III	ECO-G-CC-3-3-TH-TU/ ECO--GE-3-3-TH-TU	1. Meaning of Economic Development 2. Poverty , Inequality and Development	Nandini Daniari
Semester I	ECO-G-CC-1-1-TH-TU/ECO-G-GE-1-1-TH-TU	1. Exploring the subject matter of Economics 2. Supply and Demand: How Markets Work, Markets and Welfare 3. The Households	Nandini Daniari
SemesterV B.Com	DSE 5.1 A Macroeconomics	**Unit – I:Introduction** Concepts and variables of Macroeconomics. **Unit – II: National Income Accounting** Concepts and measurement of National Income (numerical examples preferred); Circular flow of income – Real and Nominal GDP – Implicit deflator. **Unit – V: Money, Inflation and Unemployment** Concept of supply of money; Measures of money supply – High powered money – Money multiplier. Concept of Inflation – Demand-pull and Cost-push theories of inflation – Monetary and fiscal policies to control inflation; Unemployment: Voluntary and Involuntary, Frictional and Natural Rate of Unemployment (Concepts only).	Nandini Daniari
Semester I	GE 1.1 Chg Microeconomics I	**Unit:I Demand and Consumer behaviour** Concept of demand, demand function, law of demand, derivation of individual and market demand curves, shifting of the demand curve; elasticity of demand. Consumer behaviour: Marshallian	Nandini Daniari

		utility approach and Indifference Curve approach; utility maximization conditions . Income-Consumption Curve (ICC) and Price-Consumption Curve (PCC): Derivation of demand curve from PCC. **Unit: III Perfect Competition** Stability analysis– Walrasian and Marshallian, demand-supply analysis including impact of taxes and subsidy**.**	

Semester IV (Hons.)	Intermediate Microeconomics II: ECO-A-CC-4-8-TH	1.2 Pricing with market power- first, second and third degree price discrimination, multiplant monopoly 1.3 Monopolistic competition- short run and long run equilibrium, excess capacity 1.4 Oligopoly- Oligopoly equilibrium as Nash equilibrium, Cournot, Bertrand and Stackelberg Model- use of isoprofit curves and simple game theoretic interpretation. Sweezy‘s kinked demand Page 25 of 75 curve model and non-collusive equilibrium. Competition versus collusion- the Prisoners‘Dilemma. Collusive Oligopoly –Cartels and Price Leadership	Subhalakshmi Paul
	Skill Enhancement Course II: ECO-A-SEC-4-B(2)-TH Managerial Economics	1. Demand, Cost and Profit Analysis 2. Pricing Policies and practices 3. Capital Budgeting 4. Cost of capital 5. Inventory Management	Subhalakshmi Paul
Semester IV (Gen.)	Indian Economic Policies: ECO-G-CC-4-4-TH-TU/ ECO--GE-4-4-TH-TU	2. Policies and Performance in Agriculture 3. Policies and Performance in Industry	Subhalakshmi Paul
Semester II (Gen.)	Introductory Macroeconomics: ECO-G-CC-2-2-TH / ECO--GE-2-2-TH /ECO-G-GE-2-2-TH	4. Money Supply and Money Demand 5. Inflation	Subhalakshmi Paul
Semester IV (B.Com)	Microeconomics II & Indian Economy	Unit: I Monopoly Unit: II Imperfect Competition	Subhalakshmi Paul
Semester I (Gen.)	Generic Elective Course I (GE -1) for BA/BSc	1. Exploring the subject matter of Economics 2. Supply and Demand: How Markets Work, Markets and Welfare 3. The Households	Subhalakshmi Paul
Semester III (Gen.)	ECO-G-CC-3-3-TH / ECO--GE-3-3-TH	1. Meaning of Economic Development 2. Poverty , Inequality and Development	Subhalakshmi Paul

Semester V (Hons.)	Economics Core Course XII: ECO-A-CC-5-12-TH-TU Indian Economy	1. Economic Development since Independen 2. 2. Population and Human Development 3. Growth and Distribution 4. Economic Reforms in India	Subhalakshmi Paul
Semester V (Gen.)	Money and Banking (MB): ECO-G-DSE-5-1A/2A-TH	1. Money Supply and Banking System with reference to India 2. Financial Institutions and Financial Markets	Subhalakshmi Paul
Semester I (Commerce)	Microeconomics I & Statistics (50+50)	Unit: II Production and Cost Unit: III Perfect Competition	Subhalakshmi Paul
Semester III (Commerce)	Business Mathematics & Statistics	1. Correlation and Association 2. Regression Analysis	Subhalakshmi Paul
Semester V (Commerce)	Macro Economics II and Advanced Business Mathematics	Unit – I:Introduction Unit – II: National Income Accounting Unit – III: Determination of Equilibrium Level of National Income	Subhalakshmi Paul
Semester IV (B.Com)	Business Mathematics and Statistics (Module II)	1. Correlation and Association 2. Regression Analysis 3. Index Numbers 4. Time Series Analysis	Anup De
Semester IV (Hons.)	Intermediate Microeconomics II: ECO-A-CC-4-8-TH	Economics of welfare General Equilibrium. Concepts and properties. The Walras Law. Pareto criterion. The concept of Pareto optimality. The fundamental theorems of welfare economics. Some aspects of externalities	Anup De

NAME OF THE DEPARTMENT: MATHEMATICS

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
2	Core Course-3(Hons)	Real Analysis	Surajit Hazra & Sukanta Biswas
	Core Course-4(Hons)	Group Theory I	Tanusree Dutta & Sagar Mondal
	Core Course/ Generic Elective-2(General)	Discrete Mathematics	Surajit Ray
		Differential Calculus II	Surajit Hazra
		Differential Equation II	Sagar Mondal
		Vector Algebra	Sukanta Biswas
4	Core Course-8(Hons)	Riemann Integration & Series of Functions	Surajit Hazra & Surajit Ray
	Core Course-9(Hons)	PDE & Multivariate Calculus-II	Sukanta Biswas
	Core Course-10(Hons)	Mechanics	Sagar Mondal
	SEC B(Hons)	Mathematical Logic	Tanusree Dutta
	Core Course/ Generic Elective-4(General)	Algebra II	Surajit Hazra
		Computer Science & Programming	Sukanta Biswas
		Probability and Statistics	Sagar Mondal
	SEC 2(General)	Mathematical Logic	Tanusree Dutta
3	Core Course-5(Hons)	Theory of Real Functions	Surajit Hazra
	Core Course-6(Hons)	Ring Theory & Linear Algebra-I	Tanusree Dutta
	Core Course-7(Hons)	ODE & Multivariate Calculus-I	Sagar Mondal
	SEC A(Hons)	C Programming Language	Sukanta Biswas
	Core Course/ Generic Elective-3(General)	Numerical Methods	Tanusree Dutta
		Integral Calculus	Surajit Hazra
		Linear Programming	Sagar Mondal
	SEC 1(General)	C Programming Language	Sukanta Biswas
5	Core Course-11(Hons)	Probability & Statistics	Sagar Mondal
	Core Course-12(Hons)	Group Theory-II & Linear Algebra-II	Surajit Hazra
	DSE A1(Hons)	Advanced Algebra	Tanusree Dutta
	DSE B1(Hons)	Linear	Sukanta Biswas

		Programming and Game Theory	
	DSE 1A(General)	Particle Dynamics	Sagar Mondal & Sukanta Biswas
	SEC 3(General)	Object Oriented C Programming	Sukanta Biswas

NAME OF THE DEPARTMENT: PHYSICS

Semester	Course Title	Name of the topic	Name of the teachers
2	CC 3 (Honours)	Dirac delta function and its properties, Electromagnetic induction, Electrical circuits. (18)	Probir Kumar Sarkar
		Electrostatics, Dielectric properties of matter, Method of images, Electrostatic energy. (25)	Sukla Chakraborty
		The magnetostatic field, magnetic properties of matter. (17)	Arijit Ghosh
	CC 4 (Honours)	Oscillations, Superposition of harmonic Oscillations, Wave motion, Superposition of harmonic waves. (25)	Mili Das
		Wave optics, Interference, Interferometer, Diffraction. (35)	Swati Das
	CC 2 (GE 2)	Essential vector analysis, Electrostatics. (30) Magnetism. (15)	Sukla Chakraborty Arijit Ghosh
		Electromagnetic induction, Electrodynamics. (15)	Probir Kumar Sarkar
	Computer Science (Honours) CC 4	Basics of circuit theory, PNPN devices, Operational amplifiers, Timer, Data acquisition. (30)	Probir Kumar Sarkar
		Theory of semiconductor devices, Diode and its application, Bipolar junction transistor, Unipolar junction transistor. (30)	Pradip Datta
4	CC 4 (GE 4)	Acoustics, Superposition of vibrations in string. (23) Introduction to wave optics, Interference, Diffraction, Polarisation. (37)	Mili Das Pradip Datta
	SEC (B 2)	Renewable energy and energy harvesting. (30)	Soma Chakraborty

Semester	Course Title	Name of the topic	Name of the teachers
3	CC 5 (Honours)	Fourier series, Introduction to probability, Introduction to Numpy and Scipy, Introduction to Mathplotlib. (34)	Arijit Ghosh
		Frobenius method and special function, Some special integrals, Integral transforms, Partial differential equations. (44)	Mili Das
	CC 6 (Honours)	Introduction to thermodynamics. (25)	Probir Kumar Sarkar
		Thermodynamic potentials. (15)	Pradip Datta
		Kinetic theory of gases, Conduction of heat. (20)	Sukla Chakraborty
	CC 7 (Honours)	Radiation and its nature, Basics of quantum mechanics. (30)	Swati Das
		Nuclear structure, Interaction with and within nucleus. (22)	Pradip Datta
	SEC (A 1)	Lasers. (8)	Probir Kumar Sarkar
		Scientific writing. (15)	Pradip Datta
	CC 3 (GE 3)	Laws of thermodynamics, Thermodynamic potentials. (27)	Probir Kumar Sarkar
		Kinetic theory of gases. (10)	Sukla Chakraborty
	SEC (A 2)	Theory of radiation. (8)	Swati Das
		Statistical mechanics. (15)	Arijit Ghosh
	DSE (A 1)	Renewable energy and energy harvesting. (30)	Swati Das
5		Analog electronics. (60)	Soma Chakraborty
	SEC (A 2)	Electrical circuits and network skills. (30)	Pradip Datta

Semester	Course Title	Name of the topic	Name of the teachers
1	CC 1 (Honours)	Calculus, Matrices. (35)	MIli Das
		Vector algebra and vector calculus. (25)	Sukla chakraborty
		Introduction to plotting graphs with Gnuplot, Introduction to programming in Python. (19)	Arijit Ghosh
	CC 2 (Honours)	Fundamentals of dynamics, Work and energy. (20)	Pradip Datta
		Gravitation and central force motion, Non-inertial systems. (22)	Probir Kumar Sarkar
		Rotational dynamics, Fluid motion. (18)	Swati Das
	CC 1 (GE 1)	Mathematical methods. (15)	Sukla chakraborty
		Introduction to Newtonian mechanics, Central force and gravitation. (15)	Pradip Datta
		Oscillations, Surface tension. (14)	Soma Chakraborty
		Rotational motion, Elasticity. (16)	Swati Das
		Introduction to plotting graphs with Gnuplot, Introduction to programming in Python. (19)	Arijit Ghosh

NAME OF THE DEPARTMENT:CHEMISTRY

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
2	ORGANIC CHEMISTRY-2	Concept of Organic Acids and Bases Tautomerism Elimination Reactions	Dr. Sounak Dutta
	ORGANIC CHEMISTRY-2	Reaction Kinetics, Free Radical Substitution Reaction, Nucleophilic Substitution Reaction	Dr. Attreyee Mukherjee
	ORGANIC CHEMISTRY-	Stereochemistry II	Dr.Pradip Kumar Maiti
	INORGANIC CHEMISTRY-2	Chemical Bonding-II	Dr. Suranjana Chatterjee
	INORGANIC CHEMISTRY-2	Chemical Bonding-I & Radioactivity	Dr. Shyam Sarkar
	CORE COURSE/ GENERIC ELECTIVE-2	Chemical Thermodynamics, Solutions	Dr.Priyatosh Dutta
		Chemical Equilibrium, Phase Equilibria	RijaulHaqueMirdha
		Solids	Dr. Shyam Sarkar
		Aliphatic Hydrocarbons	Dr. Attreyee Mukherjee, Dr. Sounak Dutta
		Error Analysis and Computer Applications	Dr. Suranjana Chatterjee, Dr. Shyam Sarkar
		Redox reactions	Dr. Suranjana Chatterjee
4	ORGANIC CHEMISTRY-4	Rearrangements, Organic Spectroscopy (IR, NMR)	Dr. Attreyee Mukherjee
	ORGANIC CHEMISTRY-4	The logic of Organic synthesis	Dr.Pradip Kumar Maiti
	ORGANIC CHEMISTRY-4	Nitrogen compounds	Dr. Sounak Dutta
	PHYSICAL CHEMISTRY 3	Colligative properties, Phase Equilibrium	RijaulHaqueMirdha
	PHYSICAL CHEMISTRY 3	Foundation of Quantum Mechanics	Dr.Priyatosh Dutta

	INORGANIC CHEMISTRY-4	Chemistry of d and f Block Elements & Reaction Kinetics and Mechanism	Dr. Suranjana Chatterjee
	INORGANIC CHEMISTRY-4	Coordination Chemistry-II	Dr. Shyam Sarkar
	SEC- B1 (HONS)	Pharmaceuticals Chemistry	Dr. Sounak Dutta
	CORE COURSE/ GENERIC ELECTIVE-4	Alcohols, Phenols and Ethers, Carbonyl compounds	Dr. Attreyee Mukherjee
		Carboxylic Acids and Their Derivatives, Amines and Diazonium Salts	Dr. Sounak Dutta
		Amino Acids and Carbohydrates	Dr. Suranjana Chatterjee
		Crystal Field Theory	Dr. Shyam Sarkar
		Quantum Chemistry & Spectroscopy	Dr.Priyatosh Dutta, RijaulHaqueMirdha
	SEC B1 (GEN)	Pharmaceuticals Chemistry	Dr. Sounak Dutta
3	PHYSICAL CHEMISTRY-2	Chemical Thermodynamics I, Chemical Thermodynamics II, Systems of Variable Composition	Dr.Priyatosh Dutta
	PHYSICAL CHEMISTRY-2	Chemical Equilibrium, (i) Conductance and transport number, (ii) Ionic equilibrium (iii)Electromotive Force	RijaulHaqueMirdha
	INORGANIC CHEMISTRY-3	Chemistry of s and p Block Elements	Dr. Suranjana Chatterjee
	INORGANIC CHEMISTRY-3	Chemical Periodicity & Coordination Chemistry-I	Dr. Shyam Sarkar
	ORGANIC CHEMISTRY-3	Carbonyl and Related Compounds	Dr. Sounak Dutta
	ORGANIC CHEMISTRY-3	Organomettalics	Dr.Pradip Kumar Maiti
	ORGANIC CHEMISTRY-3	Chemistry of alkenes, Aromatic electrophilic substitution, Nucleophilic aromatic substitution, Substitution at sp3 carbon	Dr. Attreyee Mukherjee

	SEC A1	Mathematics and Statistics for Chemist	Dr.Priyatosh Dutta
	CORE COURSE/ GENERIC ELECTIVE-3	Chemical Bonding and Molecular Structure, Comparative study of p-block elements	Dr. Suranjana Chatterjee
		Transition Elements (3d series), Coordination Chemistry	Dr. Shyam Sarkar
		Ionic Equilibria	Dr.Priyatosh Dutta
		Conductance, Electromotive force	RijaulHaqueMirdha
		Aromatic Hydrocarbons	Dr. Attreyee Mukherjee
		Organometallic Compounds, Aryl Halides	Dr. Sounak Dutta
	SEC A2 (GEN)	Analytical Clinical Biochemistry	Dr.RaghawendraMisra (Department of Physiology)
5	PHYSICAL CHEMISTRY - 4	Simple Harmonic Oscillator, Angular momentum, Hydrogen atom and hydrogen-like ions, LCAO	Dr.Priyatosh Dutta
	PHYSICAL CHEMISTRY - 4	Statistical Thermodynamics, Numerical Analysis	RijaulHaqueMirdha
	ORGANIC CHEMISTRY-5	Heterocycles	Dr. Attreyee Mukherjee
	ORGANIC CHEMISTRY-5	Carbocyles and Heterocycles	Dr. Sounak Dutta
	ORGANIC CHEMISTRY-5	Cyclic Stereochemistry	Dr.Pradip Kumar Maiti
	DSE-A1 (HONS)	Molecular Modelling and Drug Design	Dr.Priyatosh Dutta, RijaulHaqueMirdha
	DSE-B1 (HONS)	Novel Inorganic Solids	Dr. Suranjana Chatterjee, Dr. Shyam Sarkar
	SEC -A2 (GEN)	Analytical Clinical Biochemistry	Dr.RaghawendraMisra (Department of Physiology)
	DSE A1 (GEN)	Novel Inorganic Solids	Dr. Suranjana Chatterjee, Dr. Shyam Sarkar

NAME OF THE DEPARTMENT: BOTANY

Semester	Course Title	Name Of The Topic	Name Of The Teacher Completing The Topic
II	Core Course-3 (Hons)	Stele and its evolution	Biplab Patra
		Secondary growth Developmental anatomy	Tanmoy Mallick
		Cell wall, Stomata, Primary structure of stem and root & Mechanical tissue	Shruti Chattaraj Banerjee
		Ecological anatomy	Tapan Kumar Maitra
		Scope of plant anatomy	Sweata Khati
	Core Course-4 (Hons)	Bryophytes: General account and importance	Tapan Kumar Maitra
		Bryophyte: Life history Pteridophyte: Life history Gymnosperm: Classification of vascular plants.	Sweata Khati
		Bryophytes: phylogeny	Biplab Patra and Tanmoy Mallick
		Pteridophytes: General account Gymnosperms: Life history	Tanmoy Mallick
		Pteridophytes: telome concept and heterospory	Biplab Patra
		Economic importance of gymnosperms	Debasree Chakraborty
	Core Course-2 (General)	Taxonomy of Angiosperms	Tanmoy Mallick
III	Core Course -5 (Hons)	Palaeobotany and Palynology: Geological time scale and plant fossile	Biplab Patra
		Palaeobotany and Palynology	Soumi Naha Nag
	Core Course – 6 (Hons)	Morphology of angiosperms: Inflorescence types with examples. Embryology: Pre- fertilizational changes, Fertilization.	Sweata Khati
	Core Course -7 (Hons)	Taxonomy of angiosperms: Introduction, Nomenclature & Phenetics and cladistics	Tanmoy Mallick
		Diagnostic features of Monocot & Dicot all families	Debasree Chakraborty
	SEC A (Hons)	Biofertilizers	Tapan Kumar Maitra
	Core Course -3 (General)	Cell biology, genetics and microbiology	Debasree Chakraborty
		Chromosomal aberrations	Soumi Naha Nag
		Genetic group, linkage group & genetic map	Tanmoy Mallick
		Central dogma, replication	Shruti Chattaraj Banerjee
		Transposons	Sweata Khati
	Core Course- 8	Evolution	Tanmoy Mallick

IV	(Hons)	Endemism & Conservation of biodiversity	Biplab Patra
		Phytogeographical regions & community ecology	Sweata Khati
	Core Course-9 (Hons)	Drug-yielding plants, timber &Fibers	Tanmoy Mallick
		Beverages , oil and fats	Biplab Patra
		Origin of cultivated crops	Sweata Khati
	Core Course-10 (Hons)	Linkage, crossing over and gene mapping	Tanmoy Mallick
		Aneuploidy and polyploidy & structural organisation of gene	Sweata Khati
	Core Course-4 (General	Transport in plants	Tanmoy Mallick
V	Core Course-11 (Hons)	Cell and molecular biology	Soumi Naha Nag
	Core Course-12 (Hons)	Biochemical foundation, molecules of life	Shruti Chattaraj Banerjee
	DSE A	Scope of microbes in Industry and environment Microbial enzymes	Debasree Chakraborty Tapan Kumar Maitra
	DSE B	Plant tissue culture	Sweata Khati
	DSE-A (General)	Acquaintance with laboratory instruments	Debasree Chakraborty
		Ethnobotany and folk medicine	Sweata Khati

DEPARTMENT: ZOOLOGY

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
3	CC-5 (H)	Unit- 4,5,6	Goutam Das
	CC-3-5-P	Chordates	Goutam Das
5	CC-5(H)	Unit- 4,5,6	Goutam Das
	CC-5-12-P	Genetics	Goutam Das
2	Core Course 3 (Hons)	Non Chordates II – Coelomates Unit 1,2,7	Ujjal Roy
	Core Course 2 (General)	Comparative anatomy and development biology (Unit 5,6)	Ujjal Roy
3	Core Course 6 (Hons)	Animal Physiology : Controlling and Coordinating system (Unit 1,2)	Ujjal Roy
	Core Course 3 (General)	Physiology and Biochemistry (Unit 1)	Ujjal Roy
4	Core Course 8 (Hons)	Comparative anatomy of vertebrates (Unit 1 to 4)	Ujjal Roy
5	Core Course 12 (Hons)	Principle of Genetics (Unit 1,2)	Ujjal Roy

	Core Course 11(Hons)	Ecology (Unit 1)	Ujjal Roy
	DSE –A (Gen)	Applied Zoology (Unit1,2)	Ujjal Roy
2	Core Course-3 (Hons)	Non Chordates II Lab-1 (a,b,c,d)	Pallab Ray
	Core Course-4 (Hons)	Cell Biology, Unit-1	Pallab Ray
		Cell Biology Lab-1,2,3	Pallab Ray
	Core Course-2 (General)	Comparative anatomy & Developmental biology, Unit-7	Pallab Ray
		Comparative anatomy & Developmental biology Lab-1,2,3,4	Pallab Ray
4	Core Course-8 (Hons)	Comparative anatomy of vertebrates, Unit-5	Pallab Ray
	Core Course-9 (Hons)	Life sustaining systems Lab-1,2,3,4,5,6	Pallab Ray
	Core Course-10 (Hons)	Immunology, Unit-1,2,3	Pallab Ray
	Core Course-4 (General)	Genetics and Evolutionary biology Lab-1,2,3,4	Pallab Ray
3	Core Course-7 (Hons)	Fundamentals of biochemistry, Unit-1,2	Pallab Ray
	Core Course-3 (General)	Physiology and Biochemistry, Unit-4	Pallab Ray
5	Core Course-12 (Hons)	Principles of genetics, Unit-5	Pallab Ray
	DSE A1 (Hons)	Parasitology, Unit-1	Pallab Ray
	DSE A1 (General)	Applied Zoology, Unit-6	Pallab Ray
2	Core Course-3(Hons)	Non-chordate II-Unit 3,4 Non-chordate II Lab-2	Shampa Bag
	Core Course-4(Hons)	Cell Biology Lab-1,2,3	Shampa Bag
	Core Course-2(General)	Comparative Anatomy and Developmental Biology-Unit-1	Shampa Bag
4	Core Course-8(Hons)	Comparative Anatomy of Vertebrates-Unit-6	Shampa Bag
	Core Course-10(Hons)	Immunology-Unit-8,Unit-9 Immunology Lab -1,2,3	Shampa Bag
	Core Course-4(General)	Genetics and Evolutionary Biology-Unit-1,2,3,4 Genetics and	Shampa Bag

		Evolutionary BiologyLab-1,2,3,4	
3	Core Course-6(Hons)	Animal Physiology-Unit-4	Shampa Bag
	Core Course-3(General)	Physiology of Biochemistry-Unit-2	Shampa Bag
5	Core Course-11(Hons)	Ecology-Unit-4	Shampa Bag
	DSE A1(General)	Applied Zoology-Unit-3	Shampa Bag
3rd Semester (Honours Theory)	Core Course 5 Chordata	1. General characteristics and classification of chordata 2. General characteristics and classification of cyclostomata	Mr. Anirban Basu
3rd Semester (General Theory)	Core Course 3 Physiology and Biochemistry	1. Structure of nephron 2. Mechanism of Urine formation 3. Histology of testis 4. hormonal control of spermatogenesis	Mr. Anirban Basu
5th Semester (Honours Theory)	DSE 1 Parasitology	1. Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of *Schistosoma haematobium*, *Taenia solium* 2. Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of *Ascaris lumbricoides*, *Ancylostoma duodenale*, *Wuchereriabancrofti*	Mr. Anirban Basu
5th Semester (General Theory)	SEC-A (1) Sericulture	1. Definition, history and present status; Silk route; Types of silkworms, Distribution and Races Exotic and indigenous races Mulberry and non-mulberry Sericulture	Mr. Anirban Basu

		2. Life cycle of *Bombyx mori;* Structure of silk gland and secretion of silk	
3rd SEM(Hons.) Theory	CC5: Chordata ZOOA-CC3-5-TH	Unit 7-Classification of Aves Unit 8-Classification of Mammals	Swati Sinha
3rd SEM(Pass) Theory	CC3: Physiology and Biochemistry ZOOG-CC3-3-TH	Unit 7-Carbohydrate Metabolism Unit 8-Lipid Metabolism Unit 9- Protein Metabolism	Swati Sinha
5th SEM(Hons.) Theory	CC12: Principles of Genetics ZOOA-CC5-12-TH	Unit 6- Genetic Fine Structure Unit 7- Transposable Genetic Elements	Swati Sinha
5th SEM(Pass) Theory	DSE-A Aquatic Biology ZOOG-DSE-A-5-2-TH	Unit 1- Aquatic Bionics Unit 2- Freshwater Biology Lakes	Swati Sinha
3rd SEM(Pass) Practical	Physiology and Biochemistry Lab ZOOG-CC3-3-P	Study of Histological sections of mammalian tissues, Quantitative test for Carbohydrate samples	Swati Sinha
2	Core Course-3 (Hons)	Non-Chordates II-Coelomates, Unit- 6 & 7	Jesmin Mondal
		Non-Chordates II Lab-1. (a, b, c & d)	Jesmin Mondal
	Core Course- 4 (Hons)	Cell Biology, Unit- 6 & 7	Jesmin Mondal
		Cell Biology Lab- 4. (a & b)	Jesmin Mondal
	Core Course-2 (General)	Comparative Anatomy & development Biology Lab- 1, 2, 3 & 4	Jesmin Mondal
	Core Course-8 (Hons)	Comparative Anatomy of Vertebrates, Unit- 3	Jesmin Mondal

4	Core Course-9 (Hons)	Animal Physiology: Life Sustaining Systems, Unit- 1 & 2	Jesmin Mondal
	Core Course-10 (Hons)	Immunology, Unit- 2 & 4	Jesmin Mondal
	Core Course-4 (General)	Genetics & Evolutionary Biology, Unit- 5, 6, 7 & 8.	Jesmin Mondal
		Genetics & Evolutionary Biology Lab- 1, 2, 3, 4 & 5	Jesmin Mondal
3	Core Course-7 (Hons)	Fundamentals of biochemistry, Unit-4	Jesmin Mondal
	SEC-A1 (General)	Apiculture, Unit-3	Jesmin Mondal
5	DSE B1 (Hons)	Endocrinology, Unit- 3 & 4	Jesmin Mondal
	SEC-A3 (General)	Sericulture, Unit- 2	Jesmin Mondal
2	Core Course 3 (Hons)	Mollusca	Sanjay Dey
		Echinodermata	Sanjay Dey
	Core Course 2 (General)	Digestive System	SanjayDey
		Circulatory System	Sanjay Dey
	Core Course 2 (General) Practical	1) Osteology 2) Larval stages 3) Study of the different types of placenta 4) Developmental stages of chick embryo	Sanjay Dey
4	SEC (B)4-1-TH (Hons)	Aquarium Fish keeping	Sanjay Dey
	Core Course 10 (Hons) Practical	1) Demonstration of lymphoid organs (by picture) 2) Histological study of Bursa fabricius, spleen, thymus and lymph nodes through slides/ photographs	Sanjay Dey

		3) Demonstration of ELISA	
	SEC –B-4-2-TH (General)	Aquarium Fish Keeping	Sanjay Dey
3	SEC (A)-3-2-TH (Hons)	Sericulture 1) Unit 1 : Introduction 2) Unit 2: Biology of Silkworm 3) Unit 4: Pests and Diseases 4) Unit5: Entrepreneurship in Sericulture	Sanjay Dey
	Core Course 3 (General)	Enzyme	Sanjay Dey
	SEC-A-3-1-TH (General)	Unit 1: Biology of Bees Unit 2: Rearing of Bees	Sanjay Dey
5	DSE (A) -5-1-TH (Hons)	1) Parasitic Arthropods 2) Parasite Vertebrates	Sanjay Dey
	DSE (B) -5-1-TH (Hons)	1) Introduction to Endocrinology 2) Hypothalamo Hypophyseal Axis	Sanjay Dey
	DSE –A-5-2-TH (General)	1) Unit 3: Marine Biology 2) Unit 4: Management of Aquatic Resources	Sanjay Dey

NAME OF THE DEPARTMENT: PHYSIOLOGY

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
SEM 2 HONS.	Core Course 3 Theory (Hons)	i. Cell signalling ii. Nerve iii. Muscle	Dr. Raghwendra Mishra Dr. Amartya Roy Ms. Sweta Chatterjee Dr. Jayeeta Banerjee Dr. Arindam Dalal
	Core Course 3 Practical (Hons)	i. Staining of isolated nerve fiber by silver nitrate method ii.Staining of Skeletal & Cardiac muscle by methylene blue iii.Staining of Collagen in tissue sections	Dr. Rupali Sarkar Dr. Raghwendra Mishra
	Core Course-4(Hons)	The Nervous System Structural organization, Reflex action & CSF Autonomic nervous system Ascending & Descending tract, Spinal Chord, Brain Muscle spindle & Golgi tendon Limbic system Molecular Neurobiology	Dr. Sanat Chatterjee Dr. Amartya Roy Dr. Rupali sarkar Dr. Jayeeta Banerjee Dr. Arindam Dalal Dr. Raghwendra Mishra
	Core Course 4 Practical (Hons)	1.Basic concept of Brain imaging 2.Identication of different structures of human brain using CT Scan and MRI images 3.Study and use of Kymograph 4.Gastrocnemius–Sciatic nerve preparation 5.Kymographic recording of isotonic muscle twitch 6.Effect of two successive stmuli & load on muscle twitch	Dr. Sanat Chatterjee Dr. Jayeeta Banerjee
	Core Course/ Generic	i)Blood and Body fluid ii)Cardio vascular system	Dr. Sanat Chatterjee Dr. Rupali sarkar Dr. Arindam Dalal

SEM 2 GENERAL	Elective-2(General) theory	iii)Respiratory system	Dr. Amartya Roy
	Core Course/ Generic Elective-2(General) Practical	i)Blood ii)BP and respiratory tests	Dr. Sanat Chatterjee Dr. Raghwendra Mishra Dr. Jayeeta Banerjee Dr. Amartya Roy
SEM 4 HONS.	Core Course-8(Hons) Theory	i)Digestion ii)Metabolism, Carbohydrate iii)Lipids & Amino acids iv)Purines & Pyrimidines	Dr. Amartya Roy Dr. Arindam Dalal Dr. Raghwendra Mishra Ms. Sweta Chatterjee
	Core Course-8(Hons) Practical	i)Dale's experiments ii)Biochemical estimations	Dr. Sanat Chatterjee Dr. Raghwendra Mishra
	Core Course-9(Hons) Theory	i)Molecular Biology DNA replication, Transcription, genetic code, translation ii)Molecular Biology Regulation of gene expression, Mutation, Oncogenes, recombinant DNA technology iii)Methodologies Chromatography, Electrophoresis, SDS-PAGE iv) Methodologies Ultracentrifugation, Radioactivity, RIA, ELISA, Western, Northern & Southern blotting, PCR	Dr. Jayeeta Banerjee Dr. Raghwendra Mishra Ms. Sweta Chatterjee
	Core Course-9(Hons) Practical	Biochemical estimations-Colorimetric methods	Dr. Raghwendra Mishra Ms. Sweta Chatterjee
	Core Course-10(Hons) Theoty	<u>NUTRITION & DIETETICS</u> i)Vitamins ii)Minerals iii)SDA, RQ, BMR, ACU, Dietary requirements, Balanced diet,Principles and formulation of balanced diet, Nitrogen balance, Dietary fibers	 Dr. Rupali sarkar Ms. Sweta Chatterjee Dr. Jayeeta Banerjee

	Core Course-10(Hons) Practical	Nutrition & Dietetics	Dr. Jayeeta Banerjee Dr. Arindam Dalal
	SEC B1 (Hons)	i)Detection of food additives/adulterants ii)Xenobiotics	Dr. Jayeeta Banerjee Dr. Arindam Dalal
SEM 4 GENERAL	Core Course/ Generic Elective-4(General) Theory	<u>ENDOCRINOLOGY</u> i)Introduction, Hypothalamus & Pituitary ii)Thyroid & parathyroid iii)Adrenal Gland & Pancreas iv)Renal & GI Hormone <u>REPRODUCTIVE PHYSIOLOGY</u> i)Primary & Secondary sex organs ii)Testis iii)Ovary iv)Menstrual cycle v) pregnancy & lactation <u>EXCRETORY PHYSIOOGY</u> i)Kidney ii)Skin	 Dr. Rupali Sarkar Dr. Amartya Roy Dr. Arindam Dalal Dr. Raghwendra Mishra Dr. Sanat Chatterjee Ms. Sweta chatterjee Dr. Jayeeta Banerjee Ms. Sweta Chatterjee
	Core Course/ Generic Elective-4(General) Practical	i)Histology ii)Urine Biochemistry	Dr. Jayeeta Banerjee Dr. Arindam Dalal Dr. Raghwendra Mishra Ms. Sweta Chatterjee
	SEC B2(General)	i)Basic idea about community, Public health issues, Malnutrition, Overnutrition, Diet management ii)PCM & Communicable and noncommunicable disease	Dr. Arindam Dalal Dr. Amartya Roy

		iii)Population problem iv)Diet chart	Ms. Sweta Chatterjee Dr. Jayeeta Banerjee
SEM 3 HONS.	Core Course 5 Theory (Hons) Blood and body fluids	Bone marrow; Erythropoiesis; Hemostasis; Blood group Hemoglobin; Lymph & Tissue fluid; Lymphatic Organs Plasma proteins; Blood volume; Circulatory disorder	Dr. Sanat Chatterjee Dr. Amartya Roy Ms. Sweta Chatterjee
	Core Course 5 Practical (Hons)	Haematological experiments- Blood film, TC, DC, estimation of Hb, haemis crystal, bone marrow, megakaryocyte, Reticulocyte	Dr. Sanat Chatterjee Dr. Rupali sarkar
	Core Course-6 (Hons) Theory	Cardiovascular System i)Anatomy of heart, properties of cardiac muscle, origin & propagation of cardiac impulse, heart block, cardiac cycle, cardiac output, Starling's law of heart, The pulse: arterial and venous. ii)ECG, echocardiography, cardiac arrhythmias & myocardial infraction iii)Haemodynamics of blood flow, cardiac and vasomotor centres, cardiovascular homeostasis, atherosclerosis, coronary circulation, blood pressure	Dr. Rupali sarkar Dr. Raghwendra Mishra Dr. Arindam Dalal

	Core Course 6 Practical (Hons)	Cardiovascular physiology experiments: i)Blood pressure ii)Kymographic recording of the movements of perfused heart of toad iii)ECG	Dr. Rupali sarkar Dr. Arindam Dalal
	Core Course-7 (Hons) Theory	Respiratory Physiology i)Anatomy & Histology of lung and airways; Mechanism of breathing; Transport of gases in body; Regulation of respiration ii) Spirometry; Pulmonary Circulation iii) Disorder of Breathing	Dr. Jayeeta Banerjee Dr. Raghwendra Mishra Ms. Sweta Chatterjee
	Core Course 7 Practical (Hons)	Respiratory human experiments: Pneumographic recordings Spirometry	Dr. Jayeeta Banerjee Dr. Raghwendra Mishra
	SEC-A	i)Hematological techniques ii)Clinical Biochemistry	Dr. Jayeeta Banerjee Dr. Amartya Roy Dr. Arindam Dalal Ms. Sweta Chatterjee
SEM 3 GENERAL	Core Course/ Generic Elective-3(General) Theory	i)Neuron ii)Muscle iii)Nervous System (up to Brain stem); Vision iv)Nervous System (Cerebellum to Memory) v)Olfaction and Gustation; Audition	Dr. Amartya Roy Dr. Jayeeta Banerjee Dr. Rupali Sarkar Dr. Arindam Dalal Ms. Sweta Chatterjee
	Core Course/ Generic Elective-3(General) Practical	i)Staining ii)Demonstration of kymograph iii)Visual Acuity, iv)Colour blindness,	Dr. Arindam Dalal Ms. Sweta Chatterjee Dr. Jayeeta Banerjee Dr. Amartya Roy

		v)Deafness	
	SEC A2	Clinical Biochemistry i)Molecules ii)Enzymes	 Ms. Sweta Chatterjee Dr. Raghwendra Mishra
SEM 5 HONS.	Core Course-11(Hons) Theory	i)Special senses introduction ii)Vision & Hearing iii)Olfaction & Gustation	Ms. Sweta Chatterjee Dr. Rupali sarkar Dr. Arindam Dalal
	Core Course-11(Hons) Practical	i)Visual Acuity ii)Colour blindness, iii)Deafness iv)Study & identification of stained sections v)Corneal cell space	Dr. Sanat Chatterjee Dr. Rupali sarkar
	Core Course-12 (Hons) Theory	Endocrinology i)Hypothalamus & Pituitary ii)Pineal gland & Adrenal cortex & medulla iii)Thyroid, parathyroid iv)Heart; Pancreatic islets v)GI hormones	Dr. Raghwendra Mishra Dr. Jayeeta Banerjee Dr. Amartya Roy Dr. Arindam Dalal Ms. Sweta Chatterjee
	Core Course-12 (Hons) Practical	i)Effect of oxytocin and adrenaline on uterine contractions ii) Study & identification of stained sections	Dr. Sanat Chatterjee Dr. Arindam Dalal
	DSE A1TH	Biostatistics	Dr. Raghwendra Mishra Dr. Jayeeta Banerjee
	DSE A1P	Biostatistics Practical	Dr. Raghwendra Mishra Dr. Jayeeta Banerjee
	DSE B1TH* (Hons)	i)Exercise and Physical fitness; Physical working capacity; Bioenergetics; Traing Principles; Body composition ii)Introduction to work physiology; Physiological basis of work; Work load assessment; Work organisation	Dr. Sanat Chatterjee Dr. Raghwendra Mishra

	DSE B1P	i)BMI, BSA, waist hip ratio, Body fat percent ii)Determination of VO2 max & PFI iii)Determination of agility, flexibility, anaerobic power iv) Recording of HR & BP during static and dynamic work, workload determination	Dr. Sanat Chatterjee Dr. Raghwendra Mishra
SEM 5 GENERAL	DSE A2TH	*Hematology* i)Blood groups - to-Thrombopoietin ii)Fetal Hemoglobin - to-Prothombin time iii) Anemia -to- Disorder of coagulation	Dr. Arindam Dalal Dr. Amartya Roy Ms. Sweta Chatterjee
	DSE A2P	i)DC of W.B.C ii)Estimation of Hb iii)Blood group iv)Bleeding time & clotting time	Dr. Arindam Dalal Dr. Amartya Roy

NAME OF THE DEPARTMENT : COMMERCE

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
2.	GE 2.1 Chg.	Types, tools of communication	Mr. Asit Mishra
	CC 2.2 Chg	Consumer behaviour & market segmentation, product, pricing promotion	Mr. Asit Mishra
	CC 2.1 Ch	Transport costing,	Dr. Subhas Raychaudhuri
	CC 2.1 Cg	cost sheet	
		Process costing	Dr. Tapas Saha
		Contract costing	Mr. Shubhayan Basu
4	GE 4.1 Chg	Imperfect competition, Unemployment	Mrs. Subhalakhmi Paul
		Factor price Determination	Mrs. Nandini Daniari
		Basic features of Indian economy, Sectoral trends & Issues.	Dr. Abdul Rashid
	CC 4.1 Ch CC 4.1 Cg	Profits & gains from business and profession, capital gains, Income from other sources, deductions & rebates	Mr. Shubhayan Basu
SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE

			TOPIC
	CC 4.2 Ch CC 4.2 Cg	House property, set off & carry forward	Dr. Subhas Ray Chaudhury
		Residential status, clubbing of income	Dr. Tapas Saha
		C-V-P analysis, marginal costing, short term decision making	Dr. Subhas Ray Chaudhury
		Budget & budgetary control, standard costing	Dr. Tapas Saha
6	DSE 6.1A	Holding company, INDAS-33	Mr. Shubhayan Basu
		INDAS 16, Accounting ratios	Dr. Subhas Ray Chaudhury
		Cash flow statement, Introduction to Financial Statement analysis	Dr. Tapas Saha
	DSE 6.2A	Cost of capital, leverage	Dr. Tapas Saha
		Working capital, Dividend Policy	Dr. Subhas Ray Chaudhury
		Capital expenditure decisions	Mr. Shubhayan Basu

NAME OF THE DEPARTMENT: GEOGRAPHY

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
Semester 2 (General)	(Core Course – 2) & AECC-2	Unit I: Climatology	Shilpi Debnath
	GEO-G-CC-2-02-TH (Environmental Geography)	Unit II: Soil Geography	Mahua Bardhan
		Unit III: Bio Geography	Mahua Bardhan
	GEO-G-CC-2-02-P (Practical)	1.Weather map	Shilpi Debnath
		2. hythergraph, climograph and wind rose	Shilpi Debnath
		3.Ternary diagram	Mahua Bardhan
		4.Peoples Biodiversity Register	Mahua Bardhan
	AECC 2 (EVS)	PROJECT AND EVALUATION OF PROJECT	Mahua Bardhan
Semester 4 (General)	(Core Course – 4)	Unit I: Scale and Projections	Shilpi Debnath
	GEO-G-CC-4-04-TH – Cartography	Unit II: Topographic and Thematic Maps	Mahua Bardhan
		Unit III: Remote Sensing and Geographical Information System	Mahua Bardhan
		Unit IV: Surveying	Mahua Bardhan
	GEO-G-CC-4-04-P – Cartography (Practical)	1. Graphical construction of scales	Mahua Bardhan
		2. Constructionofprojections	Shilpi Debnath
		3. thematic maps	Mahua Bardhan
		4. Satellite standard FCCs	Mahua Bardhan
Part 3 (Tutorial and special remedial classes for CU exam)	Theory –paper 4	Land use and it's attributes	Mahua Bardhan
		Thematic mapping	Mahua Bardhan
		Remote sensing	Mahua Bardhan

	Practical- paper 5	Landuse mapping	Shilpi Debnath
		Detour index	Mahua Bardhan
		Air photo interpretation	Mahua Bardhan
		Flow analysis	Shilpi Debnath
	EVS(Compulsory)	Project and evaluation	Mahua Bardhan
Part 2 (Tutorial and special remedial classes for CU exam)	Theory –paper 2	Climatology	Mahua Bardhan
		Soil geography	Mahua Bardhan
		Bio Geography	Mahua Bardhan
	Practical- paper 3	Scale	Mahua Bardhan
		cartograms	Shilpi Debnath
		Projection	Shilpi Debnath
Semester 3(General)	(Core Course – 3) GEO-G-CC-3-03-TH – Human Geography	Unit I: Economic Geography	Shilpi Debnath
		Unit II: Social Geography	Mahua Bardhan & Shilpi Debnath
		Unit III: Cultural Geography	Mahua Bardhan
	GEO-G-CC-3-03-P- (Practical)	proportional divided circles	Shilpi Debnath
		Time series analysis	Mahua Bardhan
		Arithmatic growth rate	Mahua Bardhan
		N-N analysis	Mahua Bardhan

NAME OF THE DEPARTMENT: COMPUTER SCIENCE

SEMESTER	COURSE TITLE	NAME OF THE TOPIC	NAME OF THE TEACHER COMPLETING THE TOPIC
III(Hons)	Operating System	Ch-1 to 3 ,OS basic, Process Management,Memory management	PrasenjitKundu
V(Hons)	Data Mining	Ch- 1 to 3 Data mining applications,septs,process and examples.Introdcution of analytics	PrasenjitKundu
II(Hons)	Networing and Data Communi caion	Ch-1 to 5 Basic networking,OSI and TCP/IP layers Cables and communication network Algorithms , Network types, topologies and applications	Prof. Sayan Das
II(Genl)	Operating System	Ch-1 to 3 ,OS basic, Process Management,Memory management	PrasenjitKundu
IV(Hons)	E- Commerce	All completed SEC part	Prof. SwapanMaity
II(Genl) and Part I	Algorithms and Data Structure	BSF,DFS,Sorting(all algors), Searching(Linear and Bianry), tree	Prof. SwapanMaity and Prof Sayan Das