

DAKSHINESWAR HIRALAL MAZUMDER COLLEGE FOR WOMEN

ACADEMIC CALENDER – 2022-2023

CBCS & NEP (July 23 to Dec. 23)

DEPARTMENT OF BENGALI

Semester	Syllabus Module/Unit	No. Of Lecture	Teacher's Name	Distribution Tentative	
1 st Semester Honours (Major)	CC-1 (Pragadhunik Bangla Sahitya)	18 Hrs	D.G.B	July'22- Dec'22	
	Unit-I				
	Unit-II	19 Hrs	T.A		
	Unit-III	19 Hrs	P.M		
	Unit-IV	19 Hrs	K.C		
	CC-2 (Moddhyojuger Bangla Sahitya)				
	Unit-I	18 Hrs	D.G.B		
	Unit-II				
Unit-III	19 Hrs	A.G			
Unit-IV	19 Hrs	S.C			
		19 Hrs	K.C		
1 st Semester Gen (Minor)	Unit-I	18 Hrs	D.G.B		
	Unit-II	19 Hrs	T.A		
	Unit-III	19 Hrs	P.M		
	Unit-IV	19 Hrs	A.G		

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ACADEMIC CALENDER – 2022-2023

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Semester	Syllabus Module/Unit	No. Of Lecture	Teacher's Name	Distribution Tentative
1 st Semester Honours	CC-1 (Pragadhunik Bangla Sahitya)	18 Hrs	D.G.B	July'22- Dec'22
	Unit-I			
	Unit-II	19 Hrs	T.A	
	Unit-III	19 Hrs	P.M	
	Unit-IV	19 Hrs	K.C	
	CC-2 (Moddhyojuger Bangla Sahitya)	18 Hrs	D.G.B	
	Unit-I			
	Unit-II			
Unit-III	19 Hrs	A.G		
Unit-IV	19 Hrs	S.C		
		19 Hrs	K.C	
1 st Semester Gen	Unit-I	18 Hrs	D.G.B	
	Unit-II	19 Hrs	T.A	
	Unit-III	19 Hrs	P.M	
	Unit-IV	19 Hrs	A.G	

2 nd Semester Honours	CC-3 (Bhasatotto)	18 Hrs	A.G	Jan'23- June'23
	Unit-I	19 Hrs	P.M	
	Unit-II	19 Hrs	D.G.B	
	Unit-III	19 Hrs	K.C	
	Unit-IV			
	CC-4 (Sahityer Itihas Adhunik Jug)			
	Unit-I	18 Hrs	K.C	
	Unit-II	19 Hrs	T.A	
	Unit-III	19 Hrs	S.C	
	Unit-IV	19 Hrs	D.G.B	
2 nd Semester (DSE/GE)	Bhasatotto			
	Unit-I	18 Hrs	A.G	
	Unit-II	19 Hrs	P.M	
	Unit-III	19 Hrs	T.A	
	Unit-IV	19 Hrs	D.G.B	
AECC	Sahaj Path o Byakoron	30 Hrs	P.M, A.G	
3 rd Semester (Honours)	CC-5 (Chanda, Alankar)			July'22- Dec'22
	Unit-I	18 Hrs	A.G	
	Unit-II	19 Hrs	A.G	
	Unit-III	19 Hrs	D.G.B	
	Unit-IV	19 Hrs	D.G.B	
	CC-6 (Natok o Theatre)			
	Unit-I	18 Hrs	T.A	
	Unit-II	19 Hrs	K.C	
	Unit-III	19 Hrs	P.M	
	Unit-IV	19 Hrs	D.G.B	
	CC-7 (Probondho)			

	Unit-I	18 Hrs	P.M	
	Unit-II	19 Hrs	K.C	
	Unit-III	19 Hrs	A.G	
	Unit-IV	19 Hrs	S.C	
3 rd Semester (DSE/GE)	Unit-I	18 Hrs	A.G	
	Unit-II	19 Hrs	P.M	
	Unit-III	19 Hrs	S.C	
	Unit-IV	19 Hrs	D.G.B	
MIL	Unit-I	18 Hrs	T.A	
	Unit-II	19 Hrs	K.C	
	Unit-III	19 Hrs	P.M	
	Unit-IV	19 Hrs	S.C	
SEC-1	(Cinema o Sahityo)			
	Unit-I	15 Hrs	K.C	
	Unit-II	15 Hrs	D.G.B	
4 th Semester (Honours)	CC-8			Jan'23- June'23
	Unit-I	18 Hrs	T.A	
	Unit-II	19 Hrs	K.C	
	Unit-III	19 Hrs	P.M	
	Unit-IV	19 Hrs	S.C	
	CC-9			
	Unit-I	18 Hrs	A.G	
	Unit-II	19 Hrs	P.M	
	Unit-III	19 Hrs	T.A	
	Unit-IV	19 Hrs	D.G.B	

	CC-10			
	Unit-I	18 Hrs		
	Unit-II	19 Hrs		
	Unit-III	19 Hrs		
	Unit-IV	19 Hrs		
4 th Semester (DSE/GE)	Sishu Kishore Sahitya			
	Unit-I	18 Hrs	A.G	
	Unit-II	19 Hrs	P.M	
	Unit-III	19 Hrs	T.A	
	Unit-IV	19 Hrs	D.G.B	
MIL	Unit-I	18 Hrs	T.A	
	Unit-II	19 Hrs	K.C	
	Unit-III	19 Hrs	P.M	
	Unit-IV	19 Hrs	S.C	
5 th Semester (Honours)	CC-11 (Adhunik Upanyas)			July'22- Dec'22
	Unit-I	18 Hrs	A.G	
	Unit-II	19 Hrs	P.M	
	Unit-III	19 Hrs	S.C	
	Unit-IV	19 Hrs	D.G.B	
	CC-12 (Adhunik Chotogolpo)			
	Unit-I	18 Hrs	T.A	
	Unit-II	19 Hrs	K.C	
	Unit-III	19 Hrs	P.M	
	Unit-IV	19 Hrs	D.G.B	

5 th (DSE/GE)	DSC-1 (Mangal Kabya)			
	Unit-I			
	Unit-II			
	Unit-III			
	Unit-IV			
	Unit-I			
	DSC-2 (Probondho)			
	Unit-II			
	Unit-III			
	Unit-IV			
6 th Semester (Honours)	Unit-I			
	Unit-II			
	Unit-III			
	Unit-IV			
	CC-13	18 Hrs	T.A	Jan'23- June'23
	Unit-I	19 Hrs	K.C	
	Unit-II	19 Hrs	P.M	
	Unit-III	19 Hrs	S.C	
	Unit-IV			
	CC-14	18 Hrs	A.G	
Unit-I	19 Hrs	P.M		
Unit-II	19 Hrs	T.A		
Unit-III	19 Hrs	D.G.B		
Unit-IV				

	DSC-1 (Natok)	18 Hrs	A.G
	Unit-I	19 Hrs	P.M
	Unit-II	19 Hrs	T.A
	Unit-III	19 Hrs	D.G.B
	Unit-IV		
	DSC-2 (Deshbhag)	18 Hrs	T.A
	Unit-I	19 Hrs	K.C
	Unit-II	19 Hrs	P.M
	Unit-III	19 Hrs	S.C
	Unit-IV		
6 th Semester (DSE)	Unit-I	18 Hrs	
	Unit-II	19 Hrs	
	Unit-III	19 Hrs	
	Unit-IV	19 Hrs	

Department of Commerce || Academic Calendar 2022-2023

EVEN SEMESTER

Semester II

COST AND MANAGEMENT ACCOUNTING

Subject Code : FACGCOR03T

Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]

TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [10L]	Definition of costing, Objectives of Cost Accounting And Management Accounting, Cost Accounting Vs. Management Accounting, Installing a good Cost Accounting System, Essentials of good Cost Accounting System, Cost concepts, terms and classification of costs:(Cost, cost object, types of cost, classification of costs, Direct and Indirect cost, Element wise, Function wise ,Behavior wise , Sunk Cost, Opportunity cost, Costing Methods and Techniques(introduction only)	Pritam Dhara	May -June
Materials Material Costs [10L]	Purchase of materials: Organization, Purchase procedure, Documentation, Determination of material purchase costs. Storage of materials: Need of storage, location and types, Functions of store keeper, requisition, receipt and issue and transfer of materials, storage record, accounting for material cost. Materials Control: Organization Tools : JIT purchase ; various stock levels; EOQ and ABC Analysis; Periodic Inventory; Perpetual inventory, Physical Verification; Discrepancies of stock and their treatment, Methods of Pricing Material Issues: FIFO,LIFO and Weighted Average, Treatment of Normal and Abnormal Loss of materials.	Poulami Sinha	May -June
Labour Employee Cost And incentive systems [15L]	Introduction, Recording Labour cost: Attendance and Pay roll Procedures (Time-Keeping, Time- Booking, Payroll procedure, payment of Wages- Piece rate , Differential piece rate , Time rate); Idle Time(Causes and treatment in Cost Accounting). Overtime (its effect and treatment in Cost Accounting) Labour Turnover(causes , impact and methods of calculating labour turn over). Main Principles for sound system of wage incentive shames, labour utilization ; System of wage payment and incentives (Halsey, Halsey-Weir, Rowan and Emerson). Systems of Incentive Schemes for indirect Worker; Component of wages cost for costing purpose.	Poulami Sinha	June - July

Overhead and Cost statement [20L]	<p>*Introduction : Definition, classification of overhead. Cost Statement- Functional and Behavioral.</p> <p>*Manufacturing overheads: Allocation and Apportionment of overhead; Absorption of overhead ; various methods and their application; treatment of under-absorption/over-absorption of overheads.</p> <p>*Administration and Selling & Distribution Overheads and their charging : an introduction only.</p> <p>*Preparation of Cost Sheet and estimation</p>	Pritam Dhara	June - July
Cost Bookkeeping [10L]	Non-Integrated System: Meaning & Features; Ledgers Maintained ; Accounts prepared ; General/ Cost Ledger Adjustment Accounts; Meaning of closing balance in various accounts; Disadvantages. Reconciliation: Need for reconciliation; Items causing differences between Cost and Financial profits and their reconciliation.	Bidhan Baidya	June - July
Costing Methods [25L]	Job Costing (Job Cost Cards and data bases, collecting direct costs of each job, Attributing overhead costs to jobs, Application of job-costing), Batch Costing. Contract Costing – Progress payments, Retention money, Escalation clause, Contract accounts ,Accounting for material, Accounting for plant used in a contract, Contract profit and Balance Sheet entries. Service Costing and output costing: Introduction; Motor Transport Costing only. Process Costing : Meaning, Features, Process Vs. Job costing, Principles of cost ascertainment for materials, Labour & Overhead; Normal Loss and Abnormal Loss and Gain and preparation of Process Accounts. Inter process profit (Simple cases.)	Bidhan Baidya	May -June

BUSINESS MATHEMATICS AND STATISTICS

Paper 3: Semester 2

Subject Code : FACGCOR04T

Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]

TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Unit 1: Set Theory [4L]	Definition of Set and its presentation. Different types of Sets- Null Sets, Finite & Infinite Sets, Subsets, Universal Set, Power Set etc. Set Operations- Laws of Algebra of Sets, Venn diagram.	Pritam Dhara	May

Unit 2: Matrices and Determinants: [10L]	Definition of a matrix, Types of matrices; Equality, Addition, Subtraction, and Multiplication; Transpose of a matrix; Determinant of a square matrix, Values of determinants up to third order; Properties of Determinants, minors and co-factors, Adjoint of a Matrix, Elementary row and column operations, Inverse of a matrix; Solution of a system of linear equations (having unique solution and involving not more than three variables) using matrix inversion Method and Cremer's Rule.	Bidhan Baidya	June
Unit 3: Basic Mathematics for Finance [20L]	Functions and their types – linear, quadratic, polynomial, exponential, logarithmic; Concepts of limit and continuity of a function. Concept of differentiation; Rules of differentiation – simple standard forms. Maxima and Minima of functions (involving first and second order differentiation) relating to cost, revenue and profit. Different types of Interest Rates, concept of Present Value – Present Value and Annuity, Compounding & Discounting, amount of Annuity – Valuation of Simple Loans.	Poulami Sinha	May
Unit 4: Basics of Statistics [5L]	Collection, classification of data, Primary & Secondary data, Tabulation of data, Graphs and charts, Frequency distribution, Diagrammatic presentation of frequency distribution.	Dr. Sonali Mukherjee	May - June
Unit 5: Measure of Central Tendency & Dispersion [15L]	Measures of Central Tendency including arithmetic mean, geometric mean and harmonic mean: properties and applications; mode and median. Measures of Variation: absolute and relative. Range, quartile deviation and mean deviation; Variance and Standard deviation: calculation and properties.	Dr. Sonali Mukherjee	May - June
Unit 6: Bivariate Analysis [20L]	Simple Linear Correlation Analysis: Meaning, and measurement. Karl Pearson's coefficient and Spearman's rank correlation. Simple Linear Regression Analysis: Regression equations and estimation. Relationship between Correlation and regression coefficients	Dr. Sonali Mukherjee	June- July
Unit 7: Time-based Data: Index Numbers and Time-Series Analysis [16L]	Meaning and uses of index numbers; Construction of index numbers: Aggregative and average of relatives – simple and weighted, Components of time series; additive and multiplicative models; Trend analysis: Finding trend by moving average method and Fitting of linear trend line using principle of least squares.	Dr. Sonali Mukherjee	June- July

Semester IV

DIRECT & INDIRECT TAXATION

Paper 2 : Semester 4

Subject Code : FACGCOR10T

Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]

TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
UNIT 1: [15L]	a) Basic Concepts of Direct and Indirect Taxes; Definitions under IT Act: Assessee, Previous year, Assessment year, Person, Income, Sources of income, Heads of income, Gross total income, Total income; b) Residential Status and Incidence of Tax of Individual Assessee; c) Exempted income – u/s 10(1), 10(10), 10(10A), 10(10AA), 10(10D), 10(11), 10(12), 10(13A), 10(14), 10(15), 10(34), 10(35), 10(38).	Poulami Sinha	May - June
UNIT 2: [20L]	Computations of Taxable Income under the head: a) Salaries and b) Income from House Property	Pritam Dhara	May - June
UNIT 3: [20L]	a) Profits and Gains of Business or Profession [sec. 28, 32, 36(1), 36(1)(ii), 36(1)(iii), 36(1)(vii), 37, 40A(3), 43B]; b) Capital Gains: Meaning and types of capital assets, simple computation of STCG and LTCG; c) Income from Other Sources: Basis of charge excluding deemed dividend	Poulami Sinha	June - July
UNIT 4: [15L]	Set off and carry forward of losses; Deductions u/s 80 - 80C, 80CCC, 80CCD, 80CCE, 80D, 80E, 80G, 80GG, 80TTA; Rebate u/s 87A; Computation of total income and tax liability of individual assessee.	Bidhan Baidya	May - June
UNIT 5: [5L]	Filing of Returns: Due date of filing return, different types of returns, PAN, TDS – Basic Concept; Different types of assessment (Basic concepts only); Advance tax for individuals – due dates for advance payment of tax.	Bidhan Baidya	June - July
UNIT 6: [15L]	Goods and Services Tax – Concept, GST council; Pre- and post-GST indirect tax structure in India; Types of GST – Central GST, State/UT GST and Integrated GST; Rates of GST; Registration; Meaning of taxable event; Meaning of goods and services; Supply of goods and services; Input tax, Input tax credit for payment of SGST, CGST, UTGST and IGST; Reverse Charge – Meaning; Composition Levy – Meaning, advantages and disadvantages of Composition Levy, Payment of GST and filing of returns	Bidhan Baidya	June - July

TAX RETURNS & FILING OF TAX RETURNS**Paper 1 : Semester 4****Subject Code : FACSSEC02M****Total No. of Credits - 02****Full Marks 25****[Internal Assessment: 15 Marks Semester-End Examination: 10 Marks]****TOTAL CLASS HOURS : 45 [LECTURE HOURS 15 & PRACTICAL HOURS 30]**

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
UNIT 1: Income Tax Returns [15L]	a) PAN and TAN- Procedure for application of PAN/TAN; Defective Return, Revised Return, Belated Return, Provisions regarding TDS from salary, interest on securities, horse racing, lottery. b) Advance Tax (simple problems). c) Interest- Interest u/s 234A, 234B, 234C, (simple problems) d) Different Forms of Returns e) Different TDS Returns	Pritam Dhara	May - June
UNIT 2: E-filing of Tax Returns [30L]	a) Preparation and submission of the Income Tax Returns (ITR-1 and ITR-2) offline/online for individual taxpayer, EVC. b) View form 26AS, Upload return, View e-file returns, e-verification c) Use of e-tax calculator (including interest calculation u/s 234A, 234B, 234C) d) E-Pay tax (Challan No. ITNS 280 and ITNS 281) e) e-TDS Return filing	Pritam Dhara	June - July

BUSINESS ECONOMICS**Paper 3 : Semester 4****Subject Code : FACGCOR08T****Total No. of Credits - 02****Full Marks 75****[Internal assessment – 25 Marks; Semester-end Examination – 50 Marks]****TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]**

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
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Unit 1 [18L]	Consumer Theory : Indifference curve approach: Consumer's preferences; Budget line; Consumer's equilibrium; Income consumption curve, Price consumption curve and the derivation of demand curve for a commodity (Normal, Inferior, Giffen); Hicksian decomposition of price Effect into income and substitution effect.	Dr. Sonali Mukherjee	May - June
Unit 2 [18L]	Demand & Supply : (a) Demand and Supply: Law of demand, Determinants of demand, Movements vs. shift in demand curve, Exceptions to the law of demand, Determinants of Supply, Movement along a supply curve vs. shift in supply curve; Market equilibrium and price determination. (b) Measurement of various Elasticity of demand, Elasticity of supply.	Dr. Sonali Mukherjee	May - June
Unit 3 [12L]	Production and Cost :(a) Production: Concept of production and production function, Homogeneous production function; Law of variable proportions; Isoquant: definition and properties, Return to scale. (b) Costs: Costs in the short run and in the long run.	Dr. Sonali Mukherjee	June - July
Unit 4 [20L]	Market Structure : (a) Perfect Competition: Assumptions --Theory of a firm under perfect competition, Demand and Revenue, Equilibrium of the firm in the short run and long run. (b) Monopoly: Short-run and long-run equilibrium of monopoly firm, Concept of supply curve under monopoly, Allocation inefficiency and dead-weight loss monopoly, Price discrimination. (c) Imperfect Competition: Difference between perfect competitions, monopoly and imperfect competition; (i) Monopolistic Competition: Assumptions; Short run and Long run Equilibrium. (ii) Oligopoly, Duopoly – basic characteristics.	Dr. Sonali Mukherjee	May - June
Unit 5 [12L]	National Income: National Income Accounting, Concepts of GDP, GNP, NNP, NDP, Real and Nominal National Income, Circular flow of income	Dr. Sonali Mukherjee	June - July
Unit 6 [10L]	Money and Inflation : Concept of demand for and supply of money --Quantity theory of money and Keynesian theory of demand for money, Measures of money supply, High powered money, Concept of Inflation, Demand-pull and cost push theories of inflation, Monetary and fiscal policies to control inflation.	Dr. Sonali Mukherjee	June - July

Semester VI

MARKETING MANAGEMENT AND HUMAN RESOURCE MANAGEMENT

Paper 1 : Semester 6

Subject Code : FACGGEC02T

Total No. of Credits - 06 Full Marks 75 [Internal Assessment: 25 Marks Semester-End Examination: 50 Marks]

TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Unit – 1: Introduction to Marketing Management [15L]	Marketing Management: Definition, Nature & Importance. Distinction between selling & marketing. Traditional & Modern Concept of marketing. Concept of Marketing Environment: Micro & Macro environment of marketing. Marketing Mix: Concept & Elements. Consumer Behaviour: Meaning, Nature & Importance. Consumer decision making Process. Market Segmentation: Concept, Definition & Importance. Bases of Market segmentation. Factors determining Market Segmentation.	Poulami Sinha	May - June
Unit – 2 : Product & Pricing [15L]	Product: Meaning & importance, Classification, Product Mix. Product life Cycle: Definition, Stages, Marketing Strategies in each stage. New product Development Process. Concept & Importance of Branding, Packaging, labeling. Price & Pricing: Concept & importance, Pricing methods & policies. Factors to be considered in pricing of a product.	Pritam Dhara	May - June
Unit – 3 : Physical Distribution & Promotion [15L]	Distribution Channels: Meaning and Importance, Types of Distribution Channel. Factors determining choice of Distribution Channel. Promotion: Meaning & Importance, Promotion Mix- Elements. Concepts of Advertising, Salesmanship, Sales promotion & Publicity. Functions of advertising, essential qualities of Good salesmen	Poulami Sinha	June - July
Unit – 4 : Fundamentals of HRM	Meaning and concept of HRM. Evolution & Developments of HRM (in brief). Nature, objectives, importance, scope and functions of HRM, Job Analysis – Definition, Human resource planning- Definition, features, objectives and needs. Levels of Human resource planning. Process of Human resource planning in an organization	Pritam Dhara	June - July
Unit – 5 : Acquisition & Development of Human Resource [15L]	Recruitment of Human resources – Sources (internal & external) Advantages and disadvantages of internal and external sources of recruitment. Selection of Human resources – Definition, concept , significance and steps involved in selection process. Needs, objectives, and benefits of Training and Development. Difference between training and education. Different Training methods, their comparative advantages and disadvantages. A brief idea of staff welfare programmes and fringe benefits.	Bidhan Baidya	May - June

Unit – 6 : Maintenance of Human Resource [15L]	Job evaluation- Definition, Objectives, procedures and advantages. Job Analysis Definition, uses , process, purpose methods and aspects (Job description & Job specification). Performance Appraisal - Meaning, objectives, methods of appraisal (brief concept of all traditional and modern methods along with their advantages and disadvantages). Potential Appraisal – objectives and requirements, Remuneration System. Industrial Relations- definition features & objectives, Factors influencing industrial relations. Conditions for sound industrial relations. Importance of industrial relations. Systems approach to industrial relations	Bidhan Baidya	June - July
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BUSINESS COMMUNICATION & E-COMMERCE
Paper 2 : Semester 6
Subject Code : FACSSEC04M
Total No. of Credits - 06 Full Marks 75 [Internal Assessment: 25 Marks Semester-End Examination: 50 Marks]
TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [8L]	Definition, objectives, importance, elements, process, forms, models, principles of effective communication, barriers to communication and remedial measures.	Bidhan Baidya	May - June
Types of Communication [8L]	Formal and informal communication, Grapevine, Characteristics of corporate communication, Communication network	Pritam Dhara	May - June
Tools of Communication [8L]	Emergence of communication technology, Modern Forms of communication, Fax, Email, Video Conferencing	Bidhan Baidya	June - July
Drafting [21L]	Notice, Circular, Resolution & Minutes, Report, CV writing, Business letter writing- Offer letter, Quotation, Status enquiry, Confirmation, Execution, Refusal and cancellation of order, Recommendation, Credit collection, Claim, Bank loan	Bidhan Baidya	June - July
Introduction [10L]	E-Commerce-meaning, nature, concepts, types, Advantages of E-commerce; forces behind e-commerce, egovernance [meaning, types, significance, and real-life examples].	Pritam Dhara	June - July
E-commerce business models [10L]	Concept, Type: Business to Consumer (B to C), Business to Business (B to B), Business to Government (B to G), Consumer to Consumer (C to C), Consumer to Business (C to B)	Pritam Dhara	June - July

Digital Payment [20L]	Methods of e-payments [Debit Card, Credit Card, Smart Cards, e-Money], electronic or digital wallet, digital signature (procedures, working and legal provisions), payment gateways [Core Banking Solution or CBS, Mobile Payment, UPI, NCPI, International Payments], Online banking [meaning, concepts, importance, electronic fund transfer, automated clearing house, automated ledger posting], risks involved in e-payments.	Poulami Sinha	May - June
New Trends in E-Commerce [5L]	Social Commerce-concept, definition, features; Digital Marketing-definition, objectives, methods, limitations; Advertisement in Social Media-objectives, advantages and disadvantages, procedures	Poulami Sinha	June - July

FINANCIAL STATEMENT ANALYSIS Paper DSE7 : Semester 6 Subject Code : FACGDSE07T Total No. of Credits - 06 Full Marks 75 [Internal Assessment: 25 Marks Semester-End Examination: 50 Marks] TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]			
<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction to Financial Statements Analysis: [20L]	Nature and Component of Financial Statements; Meaning and needs of FSA; Sources of financial information; Parties interested in FSA; Techniques of financial statement analysis – Comparative Statement – meaning, preparation, uses, merits and demerits; Common-size Statement – meaning, preparation, uses, merits and demerits; Trend Analysis – meaning, determination, uses, merits and demerits.	Bidhan Baidya	May
Ratios for FSA: [20L]	Meaning, objective, classification of financial ratios; Advantages and limitations; Computation, analysis and interpretation of important ratios for measuring – liquidity, solvency, capital structure, profitability and managerial effectiveness; Preparation of financial statements and statement of proprietor’s fund from the given ratios.	Poulami Sinha	June
Fund Flow and Cash Flow Statements: [20L]	Concept of fund, Meaning and objectives of fund flow statement, various sources and applications, advantages & limitations of fund flow statement; Meaning and objectives of cash flow statement, difference with fund flow statement, Preparation and presentation of cash flow statement as per relevant Accounting Standard; analysis and interpretation of the cash flow position.	Pritam Dhara	May
Equity Analysis: [20L]	Value and price; Dividend Discount Model; Deciding the appropriate cash flow for discounting; Free cash flow to the firm; Free cash flow to equity; Price-Earnings Ratio; Why P/E multiples vary; Du Pont Formula	Bidhan Baidya	June - July
Corporate Distress Prediction: [10L]	Concept, causes and symptoms of corporate financial distress; Prediction of corporate distress using Altman Z-score, multiple discriminant analysis and decision-tree analysis.	Pritam Dhara	June - July

BUSINESS ETHICS & CORPORATE GOVERNANCE**Paper DSE8 : Semester 6****Subject Code : FACGDSE08T****Total No. of Credits - 06 Full Marks 75 [Internal Assessment: 25 Marks Semester-End Examination: 50 Marks]****TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]**

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [15L]	Nature of business ethics; ethics and morality; ethics versus law; Kohlberg's six stages of moral development; teleological approach; deontological approach;	Pritam Dhara	May - June
Social Aspects of Business Ethics [15L]	Stakeholder theory; stakeholder mapping; ethical leadership; ethical leadership styles; traits of an ethical leader;	Bidhan Baidya	May - June
Managing Ethical Dilemmas [15L]	Meaning and nature of ethical dilemma; characteristics of ethical dilemmas; the dilemma resolution process; common ethical dilemma in finance, marketing and HRM	Bidhan Baidya	June- July
Framework of Corporate Governance in India [15L]	Meaning; American, European, Japanese and Indian models of corporate governance; corporate boards and its powers, responsibilities; board committees and their functions; shareholders grievance committee; investors relation committee; risk management committee; audit committee; corporate governance reforms in the Companies Act, 2013	Poulami Sinha	May - June
Major Corporate Scandals in India and Whistle-blowing policy [15L]	Case study of few Corporate Scams in India – Satyam Computers, Kingfisher Group, Punjab National Bank; The Concept of Whistle-blowing policy; types of whistleblowers; the whistle-blower legislation across countries; recent developments in India	Poulami Sinha	June- July
Corporate Social Responsibility (CSR) [15L]	Concept of CSR, Corporate Philanthropy; Relationship of CSR with Corporate Sustainability, CSR and Business Ethics, CSR and Corporate Governance; CSR provisions under the Companies Act 2013	Pritam Dhara	June- July

ODD SEMESTER

Semester I

FINANCIAL ACCOUNTING - I

Paper 1: Semester 1

Subject Code: FACGCOR01T

Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]

TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [5L]	Nature of accounting; Users of accounting information; Qualitative characteristics of accounting information. • Double entry book keeping system – Basic accounting equation, meaning of assets, liabilities, equity, revenue and expenses. Accounting Cycle - Recording of transaction: Journal, Ledger and preparation of Trial Balance. • Bases of accounting; Cash Basis and Accrual Basis. • Basic concepts and conventions: entity, money measurement, going concern, cost, realization, accruals, periodicity, consistency, prudence (conservatism), materiality, matching and full disclosures.	Bidhan Baidya	October

Determination of business income [15L]	Revenue recognition: Meaning of revenue; objective; timing of recognition. Recognition of expenses . • Inventories: meaning. Significance of inventory valuation. Lower of cost or market rule; Inventory ascertainment and reconciliation. • The nature of depreciation--Accounting concept of depreciation--Factors in the measurement of depreciation--Methods of computing depreciation: Straight Line Method and Diminishing Balance Method; Disposal of depreciable assets; Change in estimate and method of charging depreciation. Accounting for depreciation: Asset-depreciation, Asset-provision. • Reserves and provisions: Meaning; Objective; Types & Accounting. • Capital and revenue expenditures and receipts (general introduction only). • Adjustment and rectification entries 15 3 Introduction to Accounting Standard Financial Accounting Standards:	Bidhan Baidya	November
Introduction to Accounting Standard Introduction to Accounting Theory [15L]	Financial Accounting Standards: Concept, Benefits, Procedure for issuing accounting standards in India. Need for a global standard, IFRS (concept only). Concept of accounting theory; Relation with practice; GAAP; Capital – Capital Maintenance concepts; Limitations of Historic Cost accounting; Introduction to Fair Value accounting .	Pritam Dhara	October
Final accounts of Trading Concern [15L]	Preparation of financial statements of sole proprietorship business entities from a trial balance – Manufacturing, Trading, P/L A/c and Balance Sheet	Bidhan Baidya	November
Financial statements from Incomplete records and of NPO [15L]	Preparation of financial statements: a) from incomplete records b) of non-profit organization	Pritam Dhara	November
Accounting for special sales transaction [10L]	• 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 cruder commission (with and without bad debt) – Concept of Consignment Debtors; Recording in the books of Consignee. • Accounting for sale on approval.	Poulami Sinha	October
Sectional and Self balancing ledger [10L]	• Concept of sectional balancing, Self balancing Ledger: advantages; Recording process; preparation of Adjustment accounts.	Poulami Sinha	November
Insurance claim for loss of stock and for loss of profit [5L]	• 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 (simple problems)	Poulami Sinha	November

PRINCIPLES AND PRACTICE OF MANAGEMENT**Paper 2 : Semester 1****Paper Code : FACGCOR02T****Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]****TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]**

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [20L]	Management - Concept, Importance, Functions; Management as profession; Management as Science and Art, Universality of management; Levels of management; Managerial tasks and skills. Different Schools of Management Thought: Classical School--- Contributions of Taylor and Fayol; Neo-classical School---Human Relations approach and Behavioural Science approach.	Poulami Sinha	Nov
Planning [10L]	Concept, Importance, Types, Steps, Barriers to effective planning and remedial measures; Strategic Planning---Concept; Forecasting---Concept, Techniques	Bidhan Baidya	October
Organizing [20L]	Concept, Importance, Principles, Departmentation – Need, Basis, Principles; Delegation of Authority--- Elements, Steps, Barriers; Centralization and Decentralization of Authority; Span of Management - Concept and determining factors.	Bidhan Baidya	November
Directing and Staffing [20L]	Concept of directing, Importance of directing, Leadership: Concepts, Importance, Types, Leadership Traits, Tannenbaum & Schmidt's Model, Blake & Mouton Model, Staffing: Concept & importance	Pritam Dhara	October
Motivation, Co-ordination and Control [20L]	Motivation: Concepts, Importance, McGregor, Maslow and Herzberg theory of motivation, Co-ordination & Control: Concepts, Significance, Principles, Techniques, Steps, Control: Concepts, Importance and tools	Pritam Dhara	November

Semester III

BUSINESS REGULATORY FRAMEWORK

Paper 1 : Semester 3

Subject Code : FACGCOR05T

Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]

TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
The Indian Contract Act, 1872 [20L]	a) Contract – meaning, characteristics and kinds, Essentials of a valid contract b) Offer and acceptance (Definition, Rules, Communication and Revocation of offer and acceptance) c) Consideration (Definition, Elements, Types, Rules), “No Consideration No Contract” and its exceptions; Capacity to Parties (Definition and Types) d) Consent, Free consent, Coercion, Undue Influence, Fraud, Misrepresentation, Mistake e) Legality of objects and Consideration f) Void and Voidable agreements – Definition, Types and Distinction g) Discharge of a contract – Modes of discharge, Breach and Remedies against breach of contract h) Specific Contracts - Contingent contracts, Quasi, Contract of Indemnity, Guarantee, Bailment, Pledges	Pritam Dhara	Sep - Oct
The Sales of goods Act, 1930 [10L]	a) Contract of sale, meaning and difference between sale and agreement to sell b) Conditions and warranties c) Transfer of ownership in goods including sale by a non-owner d) Unpaid seller – meaning, rights of an unpaid seller against the goods and the buyer	Pritam Dhara	Oct - Nov

The Partnership Laws 3A. The Partnership Act, 1932 [10L]	a. Definition – Partner, Partnership b) Nature and Characteristics of Partnership c) Types of Partners d) Registration of a Partnership Firms and consequences of non-registration e) Rights and Duties of Partners f) Dissolution of firms – meaning and grounds	Bidhan Baidya	Oct - Nov
3B. The Limited Partnership Act, 2008 [10L]	a) Definition b) Salient Features of LLP c) Advantages and disadvantages of LLP d) Differences between: LLP and Partnership, LLP and Company e) Incorporation of LLP	Bidhan Baidya	Oct - Nov
The Negotiable Instrument Act, 1881 [20L]	a) Definition, Features, Types, Parties of Negotiable Instruments: Promissory Note, bill of exchange, Cheque (Definition and Types) b) Endorsement: Types of Endorsement c) Holder and Holder in Due Course, Privileges of Holder in Due Course. d) Dishonour of Negotiable Instruments: Modes, Consequences, Notice of Dishonour; Noting and Protesting e) Discharge of Negotiable Instruments: Meaning and Modes	Bidhan Baidya	Sep - Oct
The Consumers Protection Act, 1986 [10L]	a) Objectives and features of Consumers Protection Act b) Definitions – Complainant, Complaint, Consumer, Consumer Dispute, Defect, Deficiency, District Forum, Person c) Unfair trade practices d) Consumer Protection Council (Central, State and District – their constitutions and objectives) e) Consumer Dispute Redressal Agencies: Composition and jurisdiction of District forum, State Commission and National Commission	Poulami Sinha	Sep - Oct
Electronic Commerce Act, 1998 [10L]	a) Definitions: Computer, Electronic signature, Internet, Information. b) Formation and Validity of Electronic Contracts (econtracts) (Section 15) c) Effectiveness between parties (Section 16)	Poulami Sinha	Oct - Nov

FINANCIAL ACCOUNTING II**Paper 3 : Semester 3****Subject Code : FACGCOR06T****Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]****TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]**

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Partnership Accounts – I [20L]	Profit and Loss Appropriation Accounts Capital & Current A/C, Correction of appropriation items with retrospective effect. Change in Constitution of Firm Change in profit sharing ratio, Admission, Retirement, Retirement cum Admission – treatment of Goodwill, revaluation of assets and liabilities (with/without alteration of books), treatment of reserves and adjustment relating to capital, treatment of Joint Life Policy, Death of a Partner.	Poulami Sinha	Sep - Oct
Partnership Accounts – II [25L]	Accounting for Dissolution of Firm Insolvency of one or more partner, Consideration of private estate and private liabilities, Piecemeal distribution (Surplus Capital basis and Maximum Possible Loss Basis). Conversion of Partnership into Limited Company	Poulami Sinha	Oct - Nov
Branch Accounting [10L]	Concept of Branch, Types of Branches. Synthetic Method - Preparation of Branch Account, Branch Trading & P/L Account (at cost and at invoice price) – normal and abnormal losses. Analytical Method – Preparation of Branch Stock Adjustment Account (at cost and at invoice price) – normal and abnormal losses.	Bidhan Baidya	Sep - Oct
Hire Purchase and Instalment Payment System [13L]	Meaning, Difference with Instalment payment system, Allocation of Interest. Partial and Complete Repossession. Concept of Operating and Financial Lease (Theory only).	Pritam Dhara	Sep - Oct

Departmental Accounts [10L]	Concept, Objectives of preparation of departmental accounts. Apportionment of common cost, Preparation of Departmental Trading & P/L Account, Consolidated Trading & P/L Account, Inter departmental transfer of goods at cost; cost plus and at selling price and elimination of unrealized profit	Bidhan Baidya	Oct - Nov
Investment Accounts [12L]	Preparation of Investment Account – treatment of brokerage, STT, cum and ex – interest, Valuation of Investment under FIFO and Average method. Preparation of Investment Account for Shares (with Right Shares, Bonus Shares and Sale of Right). Transfer of securities (Simple problem).	Pritam Dhara	Oct - Nov

SEMESTER V

<p>AUDITING Paper 1 : Semester 5 Subject Code : FACGGEC01T Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours] TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]</p>			
<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [20L]	Auditing : Introduction, meaning, objectives, basic principles and techniques, advantages and limitations, classification of audit. Audit planning and procedures – relevant documents. Internal control-internal check and internal audit, vouching and verification of Assets and liabilities (including relevant SAP's)	Pritam Dhara	October
Audit of Companies [25L]	Audit of limited companies: Company auditor – qualifications and disqualifications, Appointment, Rotation, Removal , Remuneration , Rights and Duties , Auditor's Report , Liabilities of Statutory Auditors under the Companies Act , 2013. Divisible profits and dividend with special reference to depreciation, provisions and reserves as per Companies Act, 2013.	Poulami Sinha	October

Audit Report and Certificate [15L]	Audit Report- Definition, features, scope, value of Auditors Report , difference between Audit Report and Certificate, Types of Audit Report, Contents of Audit Report as per Companies Act, 2013, True and Fair View.	Bidhan Baidya	October
Audit of different Institutions [15L]	Audit of Educational Institutions, Library, Hospital, Club, Hotel, Transport Company and co-operative societies. Audit of Local Govt.-Gram Panchayat, Panchayat –Samity and Zilla-Parishad, Municipality and Municipal Corporation.	Pritam Dhara	November
Special Areas of Audit [15L]	Special features of Cost Audit, Management Audit, Tax Audit, Social Audit, Environmental Audit, Energy Audit.	Bidhan Baidya	November

ENTREPRENEURSHIP DEVELOPMENT

Paper 2 : Semester 5

Subject Code : FACSSEC03M

Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]

TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [18L]	Meaning, elements, determinants and importance of entrepreneurship and creative behaviour; Dimensions of entrepreneurship: intrapreneurship, technopreneurship, cultural entrepreneurship, international entrepreneurship, netpreneurship, ecopreneurship, and social entrepreneurship.	Pritam Dhara	October
Entrepreneurship and Micro, Small and Medium Enterprises [18L]	Basic concept of business houses, Role of business houses and family business in India; The contemporary role models in Indian business: their values, business philosophy and behavioural orientations; Conflicts in family business and its resolution.	Pritam Dhara	November
Sustainability of Entrepreneurship [30L]	Public and private system of stimulation, support and sustainability of entrepreneurship; Role of Central Government and State Government in promoting entrepreneurship; Requirement, availability and access to finance, marketing assistance, technology, and industrial accommodation, Role of industries/entrepreneur's associations and self-help groups; The concept, role and functions of business incubators, angel investors, venture capital and private equity fund	Bidhan Baidya	October

Sources of business ideas and tests of feasibility [12L]	Significance of writing the business plan/ project proposal; Contents of business plan/ project proposal; Designing business processes, location, layout, operation, planning & control; preparation of project report; Project submission/ presentation and appraisal thereof by external agencies, such as financial/non financial institutions.	Bidhan Baidya	November
Mobilization of Resources [12L]	Mobilizing resources for start-up -- Accommodation and utilities; Preliminary contracts with the vendors, suppliers, bankers, principal customers: Basic start-up problems	Bidhan Baidya	November

BANKING AND INSURANCE
Paper DSE1 : Semester 5
Subject Code : FACGDSE01T
Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours]
TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]

<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
Introduction [15L]	Origin of banking: definition, banker and customer relationship, General and special types of customers, Types of deposits, Origin and growth of commercial banks in India. Financial Services offered by banks, changing role of commercial banks, types of banks.	Poulami Sinha	Sep - Oct
Cheques and Paying Banker [15L]	Crossing and endorsement - meaning, definitions, types and rules of crossing. Duties, Statutory protection in due course, collecting bankers: duties, statutory protection for holder in due course, Concept of negligence.	Poulami Sinha	Oct - Nov
Bank Lending [15L]	Principles of sound lending, Secured vs. unsecured advances, Types of advances, Advances against various securities, NPA Management.	Bidhan Baidya	Sep - Oct
Internet Banking [30L]	Meaning, Benefits, Home banking, Mobile banking, Virtual banking, E-payments, ATM Card/Biometric card, Debit/Credit card, Smart card, NEFT, RTGS, ECS (credit/debit), E-money, Electronic purse, Digital cash.	Pritam Dhara	Sep - Oct

Insurance [15L]	Basic concept of risk, Types of business risk, Assessment and transfer, Basic principles of utmost good faith, Indemnity, Economic function, Proximate cause, Subrogation and contribution, Types of insurance: Life and Non-life, Re-insurance, Need for coordination. Power, functions and Role of IRDA, Online Insurance.	Bidhan Baidya	Oct - Nov
CORPORATE ACCOUNTING Paper DSE2 : Semester 5 Subject Code : FACGDSE02T Full Marks: 75 [Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 6 [90 Hours] TOTAL CLASS HOURS : 90 [LECTURE HOURS 75 & TUTORIAL HOURS 15]			
<u>Topic</u>	<u>Content</u>	<u>Name of the teacher</u>	<u>Month</u>
COMPANY FINAL ACCOUNTS [15L]	Introduction of Company Act relevant for preparation of Statement of Profit and Loss Account and Balance Sheet Preparation of Statement of Profit and Loss Account and Balance Sheet of domestic company Schedule III of the Companies Act 2013, treatment of Tax Transfer to Reserve, Dividend applicable Tax (out of Profit and Reserve)	Poulami Sinha	Sep
Introduction of company and Accounting for Shares and Debentures [15L]	Documents of a Company: Maintenance of books of accounts including Statutory Books and Annual Return Meaning and types of shares ;Rules and Regulations according to Company Act 2013 relevant to issue and forfeiture of Shares Accounting for issue and forfeiture ,re-issue of sharespro-rata, other than cash, to Promoters; Meaning of Debenture, Issue and Redemption of Debenture Bonus Shares and Right Shares- Rules and Accounting Procedures Underwriting of Shares- Rules and Accounting Procedures Employees Stock Option Plan- Rules and Accounting procedure for ESOP and ESPS.	Poulami Sinha	Oct

Buy back of Shares and Redemption of Preference Shares [5L]	Rules and accounting for buy back Redemption of Preference Shares (with and without Bonus Shares)	Poulami Sinha	Nov
Valuation of Goodwill and Shares [12L]	Goodwill: Meaning and types; Valuation of goodwill using different methods, need for valuation Valuation of Equity Shares (both fully and partly paid) by using intrinsic value and yield value method & fair value, cum-dividend and ex-dividend; majority and minority point of view. Valuation of Preference Shares, Bonus Shares, Right Shares	Pritam Dhara	Sep
Amalgamation, Absorption and Reconstruction of Company: [20L]	Amalgamation- meaning and differences, causes of amalgamation, Recommendation and Application of AS-14 (old), Business Combination (Ind AS103), Accounting for Amalgamation in the nature of merger and in the nature of purchase. Absorption of Company (with inter-company investment), Schemes for Amalgamation Reconstruction- Internal and External-Provisions, rules and accounting, Schemes for internal reconstruction.	Pritam Dhara	Oct
Liquidation of Companies [11L]	Meaning, types and procedures Statement of Affairs Liquidator's final statement of accounts	Bidhan Baidya	Sep
Accounting for Holding Company [12L]	Meaning, Legal requirements, relevant accounting standard Consolidation Procedure as per AS 21(old) and relevant terms and issues as per Ind AS 27 Preparation of Consolidated Balance Sheet (Simple Holding)	Bidhan Baidya	Oct

Department of Economics

Session: 2022-23

ODD SEMESTER							
ECOCOR01T/ECOHGEC01T (MICRO ECONOMICS)							
Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
I	GEN	1	INTRO DUCTI ON	10	Sonali Mukherjee	OCTOBER	
I	GEN	2	CONS UMER BEHAV IOUR	15	Sonali Mukherjee	NOVEMBER	
I	GEN	3	PROD UCERS BEHAV IOUR	15	Sonali Mukherjee	DECEMBER	
I	GEN	4	PERFE CT COMP ETITIO N	10	Sonali Mukherjee	JANUARY	
I	GEN	5	IMPER FECT COMP ETITIO N	10	Sonali Mukherjee	FEBRUARY	
I	GEN	6	THEOT Y OF DISTR IBUTIO N	15	Sonali Mukherjee	MARCH	
ECOGCOR03T/ECOHGEC03T (DEVELOPMENT ECONOMICS)							

III	GEN	1	CONC EPT	15	Sonali Mukherjee	OCTOBER	
III	GEN	2	DEV.P LANNI NG & NECES SITY	15	Sonali Mukherjee	NOVEMBE R	
III	GEN	3	POPU LATIO N & Eco dev.	10	Sonali Mukherjee	DECEMBE R	
III	GEN	4	Capita l forma tion	10	Sonali Mukherjee	JANUARY	
III	GEN	5	Foreig n invest ment	8	Sonali Mukherjee	FEBRUARY	
III	GEN	6	Intern ationa l institu tions	7	Sonali Mukherjee	FEBRUARY	
III	GEN	7	Gend er issue	10	Sonali Mukherjee	MARCH	
ECOGDSE01T (ELEMENTARY STATISTICS)							
v	GEN	1	MEAN ING AND SCOP E OF STAT	15	Sonali Mukherjee	OCTOBER	
v	GEN	2	FREQ UENC Y DISTR	15	Sonali Mukherjee	NOVEMBE R	

			BUTIO N				
v	GEN	3	CHAR T AND DIAGR AM	15	Sonali Mukherjee	DECEMBE R	
v	GEN	4	CENT RAL TEND ENCY	15	Sonali Mukherjee	JANUARY UPTO 15 TH FEBRUARY	
v	GEN	5	DISPE RSION	15	Sonali Mukherjee	FROM 16 TH FEBRUARY TO MARCH	

EVEN SEMESTER

ECOCOR02T/ECOHGEC02T (MACRO ECONOMICS)

II	GEN	1	NATIO NAL INCO ME	14	Sonali Mukherjee	APRIL	
II	GEN	2(1)	CLASS ICAL THEO RY	11	Sonali Mukherjee	MAY	
II	GEN	2(ii)	KEYNE SIAN THEO RY	10	Sonali Mukherjee	JUNE	
II	GEN	3(i)	MONE Y	8	Sonali Mukherjee	JULY	
II	GEN	3(ii)	BANKI NG	7	Sonali Mukherjee	AUGUST	
II	GEN	4	INFLA TION	9	Sonali Mukherjee	SEPTEMB ER	

ECOGCOR04T/ECOHGE04T (INDIAN ECONOMY)							
IV	GEN	1	STRUC TUR E	18	Sonali Mukherjee	APRIL	
IV	GEN	2	DEVEL OPME NT	16	Sonali Mukherjee	MAY	
IV	GEN	3	AGRIC ULTU RE	20	Sonali Mukherjee	JUNE	
IV	GEN	4	INDUS TRY	10	Sonali Mukherjee	JULY	
IV	GEN	5	BANKI NG	10	Sonali Mukherjee	JULY	
IV	GEN	6	PUBLI C FINAN CE	20	Sonali Mukherjee	AUGUST	
IV	GEN	7	FOREI GN TRAD E	12	Sonali Mukherjee	SEPTEMB ER	
ECOGDSE3T (PUBLIC FINANCE)							
VI	GEN	1	NATU RE & SCOP E	10	Sonali Mukherjee	APRIL	
VI	GEN	2	PUB.G OOD	14	Sonali Mukherjee	MAY	
VI	GEN	3	TAXAT ION	21	Sonali Mukherjee	JUNE AND JULY	
VI	GEN	4	PUB. EXPE NDITU RE & DEBT	20	Sonali Mukherjee	AUGUST AND SEPTEMB ER	

Semester	(Hons /General)	Internal Assessment(Tentative time)	University Examination (TENTATIVE)
ODD SEMESTER			
I	GENERAL	15-20 JANUARY, 2022	APRIL 2023
III	GENERAL	15-20 JANUARY, 2022	APRIL 2023
V	GENERAL	15-20 JANUARY, 2022	APRIL 2023
EVEN SEMESTER			
II	GENERAL	15-20 AUGUST, 2022	OCTOBER 2023
IV	GENERAL	15-20 AUGUST, 2022	OCTOBER 2023
VI	GENERAL	15-20 AUGUST, 2022	OCTOBER 2023

ACADEMIC CALENDER**DEPARTMENT OF EDUCATION****SESSION: 2022-2023**

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
1st Semester (Honours)	EDCACOR03T: EDUCATIONAL PHILOSOPHY	Unit:1 Concept and scope of education	Swapna Jha	September 2022-October 2022
		Unit :2 Philosophical bases in education	Swapna Jha	Nov. 2022 to Dec 2022
		Unit :3 National values and role of education	Dr. Prodip Das	September 2022-October2022
		Unit :4 Contributions of great educators on philosophy of education (w.r.t. aims, curricula and methods of teaching)	Dr. Prodip Das	Nov. 2022-December 2022
			Laxmi Murmu	Nov. 2022-December 2022
	EDCACOR04T: EDUCATIONAL PSYCHOLOGY	Unit 1 Introduction to educational psychology	Mousumi Adhikari	September 2022 to November 2022
		Unit 2 Psychology of human development and education	Mousumi Adhikari	November 2022 to December 2022
		Unit 3 Intelligence and creativity	Moumita Das	September 2022 to November 2022
		Unit 4 Psychology of learning	Moumita Das	November 2022 to December 2022

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
1st Semester (General)	DSC 1A (EDGCOR01T) / GE 1(EDCHGE01T) Philosophical Foundation of Education	Unit-I: Concept and Scope of Education	Mousumi Adhikari	September 2022 to November 2022
		Unit 2 Forms and Aims of Education	Dr. Prodip Das	September 2022 to November 2022
		Unit-3 Values & Education	Moumita Das	September 2022 to November 2022
		Unit – 4: Great Educators	Swapna Jha	September 2022 to November 2022

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
3RD	EDCACOR05T EDUCATION IN PRE- INDEPENDENCE INDIA	Unit-1: Development of Education in Ancient and Medieval India	Moumita Das	August 2022- September 2022
		Unit-2: Development of Education Under East India Company	Moumita Das	October 2022 to November 2022
		Unit-3: Development of Education Under British Rule	Dr. Prodip Das	August 2022- September 2022
		Unit-4: Development of Education from 1917-1919	Dr. Prodip Das	October 2022 to November 2022
	EDCACOR06T Education in	Unit-1: Development of	Mriganka Narayan Das	August 2022- September 2022

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
SEMESTER (HONOURS)	<i>Post-independence India</i>	<i>Education from 1947-1953</i>		
		Unit-2: Development of Education from 1964-1968	Mousumi Adhikari	August 2022-September 2022
		Unit-3: Development of Education from 1986-1992	Swapna Jha	August 2022-September 2022
		Unit-4: Development of Education from 1993 onwards	Mousumi Adhikari	October 2022 to November 2022
	EDCACOR07T CONTEMPORARY ISSUES IN INDIAN EDUCATION	Unit-1: Traditional Issues	Dr. Prodip Das	August 2022-September 2022
		Unit-2: Social Issues	Dr. Prodip Das	October 2022 to November 2022
		Unit-3: Educational Issues	Swapna Jha	November 2021 to December 2021
SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
3rd Semester (General)	DSC 1C (EDCGCOR03T) / GE 3 (EDCHGE03T): DEVELOPMENT OF EDUCATIONAL POLICIES SINCE INDEPENDENCE	Unit-1: Development of Education from 1813-1947	Swapna Jha	August 2022 – October 2022
		Unit-2: Development of Education from 1947-1970	Dr. Prodip Das	October 2022-December 2022
		Unit-3: Development of Education from 1970-2000	Mousumi Adhikari	Oct. 2022 to Nov. 2022
		Unit-4: Development of Education from 2000-2016	Moumita Das	October 2022 to November 2022

5th SEMESTER (HONOURS)	EDCACOR11T: GUIDANCE AND COUNSELLING	Unit-1: Guidance- Basic Concept	Swapna Jha	August 2022- September 2022
		Unit-2: Counselling- Basic Concept	Swapna Jha	October 2022 - November 2022
		Unit-3: Adjustment and Maladjustment	Moumita Das	August 2022- September 2022
	EDCACOR12T: EDUCATIONAL TECHNOLOGY	Unit-1: Educational Technology	Mousumi Adhikari	August 2022- September 2022
		Unit-2: Communication	Mousumi Adhikari	October 2022 to November 2022
		Unit-3: Instructional Technology	Mousumi Adhikari	November 2022 to December 2022
	EDCACOR12P: BASIC ICT	Unit-1: Computer and its Components	Moumita Das	September 2022
		Unit-2: DTP Operation	Moumita Das	October 2022- November 2022
		Unit-3 Excel Operation	Moumita Das	November 2022- December 2022
		Unit-4: Oral Presentation with PPT	Mousumi Adhikari	October 2022 to December 2022
	EDCADSE01T: WOMEN EDUCATION	Unit-1: Introduction to Women Education	Moumita Das	August 2022- September 2022
		Unit-2: Historical Development of Women Education in India	Moumita Das	October 2022- November 2022
		Unit-3: Problems of Women Education in India	Moumita Das	November 2022
		Unit-4: Women Rights in India	Moumita Das	December 2022
	EDCADSE02T: TEACHER EDUCATION	Unit-1: An Introduction to Teacher Education	Mousumi Adhikari	August 2022- September 2022
		Unit-2:	Mousumi	October 2022-

		Teacher and Teaching	<i>Adhikari</i>	<i>November 2022</i>
		Unit-3: Historical Development of Teacher Education in India	<i>Mousumi Adhikari</i>	<i>November 2022</i>
		Unit-4: Trends in Methodology of Teaching	<i>Mousumi Adhikari</i>	<i>December 2022</i>

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
5th SEMESTER (DSE-GENERAL)	DSE 1A (EDCGDSE02T): PSYCHOLOGY OF LEARNING	Unit-1: Intelligence	<i>Moumita Das</i>	<i>August 2022 – September 2022</i>
		Unit-2: Learning and Related Factors	<i>Swapna Jha</i>	<i>September 2022</i>
		Unit-3: Theories of Learning	<i>Moumita Das</i>	<i>October 2022 to November 2022</i>
		Unit-4: Creativity	<i>Mriganka Narayan Das</i>	<i>August 2022- October 2022</i>

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
5th SEMESTER (GE-GENERAL)	EDCGGECO01T: TEACHER EDUCATION	Unit-1: Teacher Education-Basic Concept	<i>Dr. Prodip Das</i>	<i>August 2022</i>
		Unit-2: Teacher Education in India	<i>Mousumi Adhikari</i>	<i>September 2022 to November 2022</i>
		Unit-3: Administration of Teacher Education in India	<i>Swapna Jha</i>	<i>August 2022- September 2022</i>
		Unit-4: Modern Concept in Teacher Education	<i>Laxmi Murmu</i>	<i>September 2022 to November 2022</i>

SEMESTER	PAPER	TOPIC	TEACHER	SCHEDULE TO BE COMPLETED
2ND SEMESTER (Honours)	EDCACOR03T: EDUCATIONAL SOCIOLOGY	Unit 1: Introduction to Educational Sociology	Swapna Jha	April 2023 to May 2023
		Unit 2 Culture and Education	Dr. Prodip Das	April 2023 to May 2023
		Unit 3 Education and Social Development	Swapna Jha	May 2023- July 2023
		Unit 4 Social Issues and Education	Dr. Prodip Das	May 2023- July 2023
	EDCACOR04T: PEDAGOGY	Unit:1 Introduction to Pedagogy	Dr. Prodip Das	April 2023 to May 2023
		Unit 2 Pedagogy as the Science of Teaching	Mriganka Narayan Das	April 2023 to May 2023
		Unit 3 Pedagogy of Teaching-Learning	Moumita Das	April 2023 to May 2023
		Unit 4 Application of Pedagogy in Class Room	Moumita Das	June 2023 to July 2023
2ND SEMESTER (General)	DSE 1B (EDCACOR02T)/ GE 2 (EDCHGEC02T): PSYCHOLOGICAL FOUNDATION OF EDUCATION	Unit:1 Introduction to Educational Psychology	Mriganka Narayan Das	April 2023 to June2023
		Unit:2 Psychology of Human Development and Education	Dr. Prodip Das	April 2023 to June2023
		Unit:3 Attention and Memory	Moumita Das	April 2023 to June2023
		Unit 4 Education and Personality	Mousumi Adhikari	April 2023 to June2023

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
4th SEMESTER (Honours & General)	EDCACOR08T: EDUCATIONAL MANAGEMENT	Unit:1 Educational Management	Swapna Jha	March 2023
		Unit 2 Leadership and management	Dr. Prodip Das	March 2023- April 2023
		Unit 3 Agencies of educational management	Swapna Jha	April 2023 to June 2023
		Unit 4 Planning and Management	Dr. Prodip Das	April 2023 to June 2023
	EDCACOR09T: BASICS OF EDUCATIONAL RESEARCH AND EVALUATION	Unit:1 Preliminary concepts on research methodology	Moumita Das	March 2023 to April 2023
		Unit 2 Sampling and hypothesis	Mousumi Adhikari	March 2023 to April 2023
		Unit 3 Evaluation and Measurement	Mousumi Adhikari	April 2023 to June 2023
		Unit 4 Standardization of a test	Moumita Das	April 2023 to June 2023
	EDCACOR10T: STATISTICS IN EDUCATION	Unit:1 Statistics in Education	Mriganka Narayan Das	March 2023
		Unit 2 Descriptive Statistics	Mriganka Narayan Das	April 2023 to May 2023
		Unit 3: Inferential Statistics	Mriganka Narayan Das	May 2023 to June 2023

	EDCACOR10T: STATISTICS IN EDUCATION	Unit 1: Data Collection	Mriganka Narayan Das	March 2023
		Unit 2: Data Analysis by any Excel/ software and Manual both	Mriganka Narayan Das	April 2023 to June 2023
		Unit 3: Report Writing	Mriganka Narayan Das	June 2023
	DAC 1D (EDGCOR04T)/ GE 4 (EDCHGE04T) Evaluation in Education	Unit 1: Evaluation	Laxmi Murmu	March 2023 to June 2021
		Unit 2: Tools and Techniques of Evaluation	Swapna Jha	March 2023 to May 2023
		Unit 3: Educational Tests	Mousumi Adhikari	March 2023 to May 2023
		Unit 4: Statistics	Mriganka Narayan Das	March 2023 to May 2023

SEMESTER	PAPER	TOPIC	NAME OF THE TEACHER	TENTATIVE SCHEDULE TO BE COMPLETED
6th SEMESTER (HONOURS)	EDCACOR13T: CURRICULUM STUDIES	Unit 1 Introduction to Curriculum	Dr. Prodip Das	Feb 2023 to March 2023
		Unit 2 Aims and objectives of curriculum	Mriganka Narayan Das	Feb 2023 to March 2023
		Unit 3 Development of curriculum	Dr. Prodip Das	April 2023 to May 2023
		Unit 4 Evaluation of curriculum	Mriganka Narayan Das	April 2023 to May 2023
		Unit 1 Introduction to Special Education	Swapna Jha	Feb 2023 to March 2023
		Unit 2 Development and	Moumita Das	Feb 2023 to March 2023

	EDCACOR14T: SPECIAL EDUCATION	organization of special education in India			
		Unit 3: Gifted and slow learners	Moumita Das	April 2023 to May 2023	
		Unit 4: Types of exceptionality w.s.r.t. definition, characteristics, classification, causes,	Swapna Jha	April 2023 to May 2023	
	EDCADSE04T - Value Education	Unit-1: An introduction to Values	Laxmi Murmu	March 2023	
		Unit-2: Values from different perspectives	Mriganka Narayan Das	March 2023	
		Unit-3: Value Crises	Dr. Prodip Das	April 2023 to May 2023	
		Unit-4: Value Education	Mriganka Narayan Das	May 2023	
	EDCADSE05T - Peace Education	Unit-1: An introduction to Peace Education	Mousumi Adhikari	Feb 2023 to March 2023	
		Unit-2: Barriers of Peace Education	Mousumi Adhikari	March 2023 to April 2023	
		Unit-3: Factors Responsible for Disturbing individual Peace	Mousumi Adhikari	April 2023	
		Unit-4: Role of Peace Education present context	Mousumi Adhikari	May 2023	
			Unit 1: Adjustment and Maladjustment	Dr. Prodip Das	Feb 2023 to April 2023

6th SEMESTER (DSE- GENERAL)	DSE 1B (EDCGDSE03T) Guidance and Counseling in Education	Unit 2: Guidance	Moumita Das	Feb 2023 to April 2023
		Unit 3: Counseling	Swapna Jha	Feb 2023 to April 2023
		Unit 4: Data & techniques for guidance and counselling	Mriganka Narayan Das	Feb 2023 to April 2023
GE FOR EDUCATION GENERAL	GE – 2: (EDCGGECO2T) INCLUSIVE EDUCATION IN INDIA	Unit-1: Inclusive Education – Basic Concept	Mousumi Adhikari	Feb 2023 to April 2023
		Unit-2: Adult and Social Education	Laxmi Murmu	Feb 2023 to April 2023
		Unit-3: Special Education	Swapna Jha	Feb 2023 to April 2023
		Unit-4: Issues in Inclusive Education	Mriganka Narayan Das	Feb 2023 to April 2023

ACADEMIC CALENDAR 2022--23**DEPARTMENT OF ENGLISH (Odd Semester)**

Semester	Course Code	SYLLABUS/MODULE/UNIT	Course Type	Module	FACULTY
1 ST SEM	ENGACOR01T	Paper I: Indian Classical Literature	Core-1	I	PK
				II	PK
				III	SM
				IV	NB
1 ST SEM	ENGACOR02T	Paper II: European Classical Literature	Core-2	I	HB
				II	PK
				III	SB
				IV	SB
1 ST SEM GEN	ENGGEC0R1T	Paper I	GE-1	I	PK
				II	HB
				III	SM
				IV	SB
				V	SM
1 st SEM Compulsory	ENGLCOR01T		LCC-1	I and II	PK, NB, SM

Semester	Course Code	SYLLABUS/MODULE/UNIT	Course Type	Module	FACULTY
3 rd SEM	ENGACOR05T	Paper V: American Literature	Core-5	I	SM and PK
				II	PK
				III	HB
3 rd SEM	ENGACOR06T	Paper VI: Popular Literature	Core-6	I	SB
				II	PK
				III	SM and SB
				IV	SM
3 rd SEM	HISACOR07T	Paper VII: British Literature 18 th Century	Core-7	I	NB
				II	SM
				III	NB
3 rd SEM	ENGGEC03T & ENGGCOR03T	Paper III	GE-3 & DSC IC	I	HB
				II	PK
				3	NB
3 rd SEM	ENGMCOR3T	MIL		I	HB, PK, SB
3 rd SEM	ENGSECOR3T	SEC- 1		II	PK

Semester	Course Code	SYLLABUS/MODULE/UNIT	Course Type	Module	FACULTY	STATUS AS ON 21.01.2021
5th SEM	ENGACOR01T	Paper XI: Women's Writing	Core-11	I	SM	Completed
				II	NB and SM	Partly complete
				III	SM	Partly complete
5th SEM	ENGACOR12T	Paper XII: 20 th century British literature	Core-12	I	SB	Completed
				II	HB	Running
				III	PK	Completed
				IV	AB	Running
				V	SG	
5th SEM	ENGADSE01T	Paper I: Old English Literature, Philology and Rhetoric	DSE-I	I	PK	Running
				II	PK	RUNNING
				III	HB	Running
5th SEM	ENGADSE02T	Paper II: Literary Types	DSE-II	I	SB	Completed
				II	NB	Completed
5 th SEM	ENGGEC01M	Paper I: Mass Media and Communication	GE 1	I-111	PK	Almost Completed
5 th SEM	ENGGDSE01T	Paper1: Literary terms and Types	DSE1	I and II	SB and HB	Almost Completed

Academic Calendar

Department: English

January-June 2022-2023 (Even Semester)

Semester/ Year	Syllabus Module/ Unit	Tentative time for completion	Teachers	Distribution(topic-wise)
2nd Semester (Hons.) Core Course 3	Group A (poetry)	By the middle of March	SB NB SM	Derozio, Kamla Das Michael Madhusudan Dutt Jayanta Mahapatra, Nissim Ezekiel
	Group B	By the Middle of April By the end of April By the beginning of May -do-	PK PK SB HB	<i>The Guide</i> (novel) 'The Intrusion'(short story) 'Tiger Tiger Burning Bright'(short story) 'The Free Radio'(short story)
	Group C	By the end of March	NB	<i>Tughlaq</i>

Semester/ Year	Syllabus Module/ Unit	No of Lectures	Teachers	Distribution
2nd Semester (Hons.) Core Course 4	Group A	By the middle of February	SB	Background: 14 th -17 th century British Literature

	Group B	By the middle of March	HB	• Prologue to <i>Canterbury Tales</i>
		By the middle of April	HB	• Shakespeare's sonnets, Spenser
		By the beginning of May	SB	Donne, Herbert, Marvell
	Group C	By the beginning of May	SM	• <i>Macbeth</i>
			NB	<i>Twelfth Night</i>

Semester/ Year	Syllabus Module/ Unit	Tentative Time for completion	Teachers	Distribution
4 th Sem (Hons.) Core Course 8	Group A	By the end of March	SB	Background studies and Blake
		-do-	HB	Gray's Elogy
		By the end of April	PK	London
	Group B	By the end of March	NB	<i>Way of the World</i>
	Group C		SM	<i>Gulliver's Travels</i>

Semester/ Year	Syllabus Module/ Unit	Tentative time for completion	Teachers	Distribution
4th Semester (Hons.) Core Course 8	Group A	By the end of March	PK	Background to Romantic poetry and Wordsworth, Coleridge
		By the end of April		Shelley and Keats
	Group B	By the end of April	PK	Hazlitt's essay
		By the beginning of May	SM	Lamb's essays
		By the end of March	NB	<i>The Castle of Otranto</i>
4 th Semester CC9	Group A	By the end of March	HB	Tennyson, Browning and Matthew Arnold
		By the end of April	NB	C.G. Rossetti
	Group B	By the beginning of May	PK	<i>Pride and Prejudice</i>
		-do-	SM	<i>David Copperfield</i>
	Group C	By the beginning of May	PK	Arnold's essay
		-do-	SM	Carlyle's essay
		-do-	NB	Darwin's essay

6 th Sem	CC-13	By the beginning of May -do-	HB PK SB	Waiting for Godot The Good Woman of Szejhuan Doll's House
	CC-14	By the beginning of May -do-	NB SB PK SM	<i>Things Fall Apart</i> Postcolonial Poetry <i>Chronicle of a Death Foretold</i> Short fiction
	DSE-5	By the end of April -do- -do-	SB NB HB PK	Group-A Group-B Group-C Group-D
	DSE-6	By the end of April -do- -do-	SB and PK SM SR SM, PK	Poetry <i>Basti</i> <i>Train to Pakistan</i> Short fiction

General: 2nd and 4th Sem—same as the previous session

6th Sem: GE-2: Group A and B (Human Rights and *The Untouchable*): PK

Group-C (Gender and “Draupai”)

DSE-4 (Soft Skills) PK and SM

ACADEMIC CALENDER

Department of Food & Nutrition(H&G)
2023 1ST, 3rd, 5thsem ,NEP & CBCS

Semester/ Year	Syllabus Module/ Unit	Teachers	Tentative period of completion
3rd sem H	<p style="text-align: center;">FNTACOR05T: NUTRIENTS METABOLISM(THEORY)</p> <p>1.Carbohydrate Metabolism: Glycolysis & its regulation. Glycogen metabolism. Metabolism of pyruvate. Outline of pentose phosphate pathway. Anaplerotic reactions. Importance of gluconeogenesis.</p> <p>2. Lipid Metabolism : Fatty acid synthase and de novo biosynthesis of fatty acid; regulation and mechanism of chain elongation. Metabolism of cholesterol, its control and pathophysiological importance. β-oxidation of fatty acids.</p> <p>3.Amino acid Metabolism : Essential amino acids. Transamination. Deamination. Transmethylation.</p> <p>Decarboxylation.glucogenicandketogenicaminoacids.O outline of urea cycle. Inborn errors of Metabolism.</p> <p>4. Biologicaloxidation Mitochondrial electron transport chain. High energy phosphate bond.Formation of ATP.</p> <p>5. Nucleic acid metabolism Chemical structure of purine and pyrimidine, Catabolism and anabolism of pyrimidines. Gout - occurrence, prognosis, progression and therapy.</p> <p>6.Vitamins Classification, characteristics and chemical properties of fat and water soluble vitamins. Functions of fat and watersoluble vitamins.Hypervitaminosis.Role of vitamins A,D,C, B1, B2B6, B12 and folic acid in metabolism.</p> <p>7.Mineral Metabolism Role of minerals in physiology. Trace elements. Sodium potassium balance. Role of calcium, iron and zinc in human body -metabolism, functions, deficiency and toxicity.</p>	<p>DP</p> <p>DP</p> <p>DP</p> <p>DP</p> <p>DP</p> <p>DP</p> <p>DP</p>	September - January 23

Internal exam Scripts will be checked by :- DP

FNTACOR05P: NUTRIENTS METABOLISM(PRACTICAL)

TOTAL HOURS: 60 2 CREDITS

1. Estimation of Vitamin C in citrus fruits.
2. Estimation calcium in blood (using kit) and drinking water (Complexometry).
3. Estimation of sodium and potassium in blood (using kit)
4. Estimation of iron in vegetables by spectrophotometry.
5. Estimation of DNA (PDA method) and RNA (Orcinol method) in tissues by spectrophotometry.

**INTERNAL PRACTICAL MARKS WILL BE GIVEN BY
SMT DEBOSMITA PATHAK**

DP

September
23-January
24

	<p>FNTACOR06T: NUTRITION THROUGH LIFE SPAN(THEORY)</p> <p>1. Basics of Meal Planning Principles of meal planning, Food groups and Food exchange list, Factors affecting meal planning and food related behaviour</p> <p>2. Nutrition in Adults and Elderly Physiological changes in elderly.. RDA and nutritional guidelines, nutritional concerns and healthy food choices for: Adult man and woman, Elderly.</p> <p>3. Nutrition during Pregnancy Nutrition During Pregnancy: Factors (non-nutritional) affecting pregnancy outcome, importance of adequate weight gain during pregnancy, antenatal care and its schedule, Nutritional requirements during pregnancy and modification of existing diet and supplementation, Deficiency of nutrients, specially energy, iron folic acid, protein, calcium, iodine. Common problems of pregnancy and their managements, specially - nausea, vomiting, pica, food aversions, pregnancy induced hypertension, obesity, diabetes. Adolescent pregnancy.</p> <p>4. Nutrition during Lactation Nutrition during Lactation: Nutritional requirements during lactation, dietary management, food supplements, galactogogues, preparation for lactation. Care and preparation of nipples during breastfeeding.</p> <p>5. Nutrition during Infancy Nutrition during Infancy: Infant physiology relevant to feeding and care, Breastfeeding, colostrum, its composition and importance in feeding, Initiations of breast feeding. Advantages of exclusive breastfeeding. Basic principles of breastfeeding. Introduction of supplementary foods, initiation and management of weaning, Baby-led weaning. Bottle feeding- circumstances under which bottle feeding is to be given. Care & sterilization of bottles. Preparation of formula. Mixed feeding, breast feeding and artificial feeding. Management of preterm and low birth weight babies.</p> <p>6. Nutrition for Children and Adolescents Growth and development in children, RDA, nutritional guidelines, nutritional concerns and healthy food choices for: Preschool children, School children, Adolescents</p> <p>INTERNAL SCRIPTS WILL BE CHECKED BY: SS</p>	<p>SS</p> <p>Mitali Palodhi</p> <p>SS</p> <p>SS</p> <p>SS</p> <p>Smt Mitali Palodhi</p>	<p>September October</p> <p>September October</p> <p>October- November</p> <p>December- January</p> <p>November- January</p>
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Academic Calendar
Department of Food&Nutrition(Honours)
2023 1ST, 3rd, 5th sem , NEP & CBCS

	<p>FNTACOR06P: NUTRITION THROUGH LIFE SPAN(PRACTICAL) TOTAL HOURS: 60 2 CREDITS Meal planning and preparation of adequate meal for different age groups with special reference to different physiological conditions: infants, pre-schooler, school children,</p> <p>adolescents, adults, pregnancy, lactation and elderly. INTERNAL PRACTICAL MARKS WILL BE GIVEN BY: SP AND SS</p> <p>FNTACOR07T: ELEMENTARY DIETETICS AND MENU PLANNING (THEORY)</p> <p>1. DieteticsandDietician Definition and objective of dietetics, Dieticians-Definition, Classification andResponsibility</p> <p>2.Foodgroups Four food groups (Caribbean Food Guide; Canadian Food Guide; USA Food Pyramid; British Food Guide; Recommended Nutrient Intake (RNI); Dietary Value Intake; Dietary Reference Value, Five food group system of ICMR. Structure and composition of cereals. Wheat- structure and composition, types (hard, soft/ strong, weak) ,Diagrammatic representation of longitudinal structure of wheat grain. Malting, gelatinization of starch, types of browning- Maillard&caramelization. Rice- structure and composition, parboiling of rice- advantages and disadvantages. Structure and composition of pulses, toxic constituents in pulses, Milk andMilk Products-composition, classification and processing, Eggs- com[osition, Meat, fish & poultry- Types, composition, Sugar& Sugar products-Types and composition, Fats & Oils-Types & sources, Food adjuncts- spices, condiments, herbs, extracts;concentratesessences,foodcolours,origin,classificatio n, convenience foods, Bevarages-Tea, Coffee, Chocolate , cocoa poeder-composition</p> <p>3.Dietaryguidelines Nutritive values as a basis for classificationof food, Recommended Daily Allowances (RDA), Dietary guidelines for Indians and foodpyramids.</p>	<p>MS &GC</p> <p>Mitali palodhi</p> <p>Mitali Palodhi</p> <p>GC</p>	<p>September-December</p> <p>OCTOBER</p> <p>October-january 24</p> <p>September</p>
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Academic Calendar
Department of Food&Nutrition(Honours)
2023 1ST,3rd, 5th sem , NEP & CBCS

	4.MenuPlanning Menu Planning: Rationale for menu planning, Factors affecting food choice, Nutritional factors,other factors; Exchange list and food composition tables for menu planning, Steps in the development of exchange list, Factors to be considered when planning the regular balanced diet: adequacy, balance caloric control, moderation, variety and aesthetics.	GC	October
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Academic Calendar
Department of Food&Nutrition(Honours)
2023 1ST, 3rd, 5th sem , NEP & CBCS

	<p>5. Basics of diet therapy Basic concepts of diet therapy: Therapeutic adaptations of normal diet, principles and classification of the therapeutic diets, Nutrient modifications.</p> <p>6. Diet for health care Team approach to health care. Assessment of Patient's needs.</p> <p>7. Routine Hospital Diet Routine Hospital Diets: Regular, light, soft, fluid, parenteral and enteral feeding.</p> <p>INTERNAL SCRIPTS WILL BE CHECKED BY: GC</p> <p>FNTACOR07P: ELEMENTARY DIETETICS AND MENU PLANNING (PRACTICAL) TOTAL HOURS: 60 4 CREDITS</p> <ol style="list-style-type: none"> 1. Planning and preparation of normal diets. GC 2. Planning and preparation of different liquid diets. SS 3. Planning and preparation of different soft/semi solid diets. SS 4. Planning and preparation of different nutrient modified diet. GC <p>INTERNAL PRACTICAL MARKS WILL BE GIVEN BY :- SS</p> <p>SEC SYLLABUS</p> <p>FNTSSEC01M: INSTRUMENTATION</p> <ol style="list-style-type: none"> 1. Microscopy Brightfield and darkfield microscopy, Optical Microscopy, Phase contrast Microscopy, Inverted Microscopy 2. Chromatography Principles and applications of paper chromatography (including Descending and 2-D), Thin layer chromatography, HPLC. Separation of mixtures by paper / thin layer chromatography 3. Spectrophotometry Principle and use of study of absorption spectra of biomolecules, Analysis of biomolecules using UV and visible range, Colorimetry. Protein concentration of spectrophotometer/ colorimeter. 4. Electrophoresis Principle and applications of native polyacrylamide gel electrophoresis 5. Centrifugation Preparative and analytical centrifugation, density gradient centrifugation and ultracentrifugation Separation 	<p>GC</p> <p>GC</p> <p>GC</p> <p>SS&GC</p> <p>MS</p> <p>DP</p> <p>DP</p> <p>DP</p> <p>GC</p>	<p>November</p> <p>December</p> <p>November</p> <p>September-december</p> <p>September</p> <p>October</p> <p>November</p> <p>December</p> <p>October</p>
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Academic Calendar
Department of Food & Nutrition(Honours)
2023 1ST, 3rd, 5th sem , CBCS

	<p>of components of a given mixture using a laboratory scale centrifuge</p> <p>6. ECG and EEG Principles of ECG and EEG, application of ECG and EEG</p> <p>7. ELISA Principle and applications of ELISA test</p> <p style="color: green;">INTERNAL SCRIPTS WILL BE CHEKED BY: SS</p> <p style="text-align: center;">3RD SEM G (DSC) FNTGCOR03T: COMMUNITY, NUTRITION AND HEALTH ASSESSMENT (THEORY)</p> <p>1. Concept on Community Concept and types of Community. Concept of community nutrition, Community health, Factors affecting community health.</p> <p>2. Nutritional Assessment Nutritional Assessment: Meaning, need, objectives and importance. Method of assessment of nutritional status – Anthropometry, Clinical, Biochemical, Dietary surveys, Vital health statistics.</p> <p>3. Concept of surveillance system Elementary idea of health agencies - FAO, WHO, ICMR, ICDS, ICAR, CSIR, ANP, VHAI, NIN and CFTRI. Role of voluntary health organisation in the improvement of Community health.</p> <p>4. Nutrition Intervention Programmes Current National Nutrition Intervention Programmes in India- SNP, ANP, Midday meal, NIDDCP, NPPNB, NNAPP. ICDS,</p> <p>5. Nutrition Education Nutrition Education: Definition, objectives of nutrition education. Methods of imparting nutrition education.</p> <p style="color: green;">INTERNAL SCRIPTS WILL BE CHEKED BY: MS</p> <p>FNTGCOR03P: COMMUNITY, NUTRITION AND HEALTH ASSESSMENT(PRACTICAL) TOTAL HOURS: 60 CREDITS: 2 1. Anthropometric Measurement of infant - Height,</p>	<p>MS</p> <p>SS</p> <p>MS</p> <p>SS</p> <p>MS</p> <p>SS</p> <p>SS</p> <p>SS</p>	<p>November</p> <p>October</p> <p>Sep- October</p> <p>September- october</p> <p>October</p> <p>November</p> <p>December</p> <p>October - November</p>
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Academic Calendar
Department of Food & Nutrition(Honours)
2023 1ST ,3rd , 5th sem , CBCS

	<p>weight, circumference of chest, mid - upper arm circumference. Calculation of BMI.</p> <ol style="list-style-type: none"> 2. Clinical assessment and signs of nutrient deficiencies. 3. Diet survey by 24 hours recall method. 4. Preparation of homemade ORS. 5. Preparation of low cost and medium cost school tiffin. <p style="text-align: center;">INTERNAL PRACTICAL MARKS WILL BE GIVEN BY : SS</p> <p style="text-align: center;">5TH SEM H</p> <p style="text-align: center;">FNTACOR111: CLINICAL NUTRITION AND DIET FOR SPECIAL SITUATIONS IN LIFE (THEORY)</p> <ol style="list-style-type: none"> 1. Nutritional management of physiological stress Nutrition in wound healing, Surgery: Pre and post surgical dietary management, Burns, Classification, Complication, Dietary management, Trauma: Dietary management, Sepsis: Dietary management. 2. Dietary Modification in febrile Condition Acute, chronic and recurrent fevers, typhoid, rheumatic fever, tuberculosis, malaria, H1N1, dengue fever and chikungunya. 3. Nutritional management of GI diseases Diseases of Esophagus and stomach: Esophagitis(GERD), Dyspepsia, Peptic ulcer, Gastritis, Gastrectomy, Dumping syndrome . Intestinal diseases: Flatulence, Diarrhea, Constipation, Hemorrhoids, Diverticular disease, Duodenal ulcer, Inflammatory Diseases of Bow: Crohn's disease and ulcerative colitis, Irritable bowel Syndrome, Colostomy, Ileostomy 4. Malabsorption syndrome Celiac disease (Tropical sprue), Steatorrhea, Intestinal Brush border diseases, Protein losing enteropathy 5. Diseases of Gall bladder and pancreas Pathophysiologic changes, etiology and dietary management -(Biliary dyskinesia , Cholelithiasis, Cholecystitis, Cholecystectomy ,Pancreatitis) 6. Liver diseases Pathophysiology, Progression of liver disease, Role of specific nutrients and alcohol in liver diseases. Nutritional care in liver disease in the context of results of specific liver function tests, Viral hepatitis , cirrhosis of Liver, Hepatic encephalopathy, Wilsons disease. 	<p>MP</p> <p>MS</p> <p>MP</p> <p>MS</p> <p>SS</p> <p>SS</p>	<p>October</p> <p>Sep-oct</p> <p>October- November</p> <p>Oct-nov</p> <p>Nov-dec</p> <p>Sep-nov</p>
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	<p>7. Nutrition Management of Renal Disease Etiology and pathogenesis, Clinical and metabolic manifestations Diagnostic tests, Acute and chronic nephritis, Nephrotic syndrome, Renal Failure: Acute and chronic, Nephrotoxicosis, ESRD</p> <p>8. Nutritional management in Allergy Definition, symptoms mechanism of food allergy, Biochemical and immune testing (short), Elimination diets, Food selection, Food allergy in infancy: Milk sensitive enteropathy, intolerance to breast milk, Prevention of food allergy.</p> <p>9. Neurological diseases Alzheimer's, Parkinson's disease and Epilepsy, Anorexia nervosa and bulimia.</p> <p>INTERNAL SCRIPTS WILL BE CHECKED BY: MS</p> <p>FNTACOR11P: CLINICAL NUTRITION AND DIET FOR SPECIAL SITUATIONS IN LIFE (PRACTICAL) TOTAL HOURS: 60 2 CREDITS Planning and preparation of Diets for the following diseases: i) Peptic ulcer ii) Viral hepatitis (GC)</p> <p>iii) Fever iv) Acute and chronic renal failure (MS)</p> <p>INTERNAL PRACTICAL MARKS WILL BE GIVEN BY : GC & MS</p> <p>FNTACOR12T: FOOD MICROBIOLOGY AND IMMUNOLOGY (THEORY)</p> <p>1. General Introduction to microbes (Bacteria, Fungus, and Algae) Classification, Nomenclature and Morphology (external and internal features). Principles of staining.</p> <p>2. Growth kinetics of bacteria Growth kinetics, Factors affecting growth, different nutritional media for growth, methods of media sterilization.</p> <p>3. Microbiology of food Microbes commonly present in food and the diseases caused by them, microflora present in milk, cereals, vegetables, flesh food. Seafood and Shell fish poisoning, Mycotoxins, Foodborne Diseases, Prions.</p> <p>4. Microbial Food Spoilage Sources of Microorganisms in foods, Some important food spoilage microorganisms, Spoilage of specific food groups - Milk and dairy products, Meat, poultry and</p>	<p>MP</p> <p>MS</p> <p>MP</p> <p>GC & MS</p> <p>DP</p> <p>DP</p> <p>DP</p> <p>SS</p>	<p>Nov- dec</p> <p>September</p> <p>Dec- jan</p> <p>September December</p> <p>October</p> <p>November</p> <p>December</p> <p>October</p>
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<p>seafoods, Cereal and cereal products, Fruits and vegetables and Canned products.</p> <p>5.FoodFermentations Fermentation –definition and types, Microorganisms used in food fermentations, Dairy Fermentations starter cultures and their types , concept of probiotics, Fermentated Foods-types, methods of manufacture for vinegar, sauerkraut, tempeh, miso , soya sauce, beer, wine and traditional Indian foods.</p> <p>6.Immunesystem Cells & Organs of the immune system, Innate and Acquired, Primary and secondary immune response, Active and Passive, Antigen, Antibody, Haptens, Adjuvants, Immunoglobulin- classification, polyclonal and monoclonal, basic structure and function, antigen and antibody reactions-RIA, ELISA, Immunoblot. Antibody production -processing and presentation of antigen, MHC, Humoral immune response. Cell mediated immunity, Formation, maturation and activation of B and T cells, Immune effectors system- cytokines complement system, K cells and NK cells, Cell mediated effectors response, Interferons, Immunopathology - basic principles of auto immune disease , Vaccine, toxins, toxoids, antiserum. Basic principles of immunological detection of pregnancy and immunohistochemistry.</p> <p style="text-align: center;">INTERNAL SCRIPTS WILL BE CHEKED BY: DP</p> <p>FNTACOR12P: FOOD MICROBIOLOGY AND IMMUNOLOGY (PRACTICAL) TOTAL HOURS: 60 4 CREDITS 1. Introduction to microbiology: Use of equipments Understanding and use of compound microscope Use of Autoclave Use of Incubator and Inoculation chamber 2. Preparation of different types of media (complex, differential and selective) 3. Preparation of slant, stab and plates using nutrient agar 4. Morphological study of bacteria and fungi using permanent slides 5. Gram staining 6. Bacteriological Analysis of Water by MPN method 7. Oucherlony double diffusion test in agar-gel.</p> <p style="text-align: center;">INTERNAL PRACTICAL MARKS WILL BE GIVEN BY : DP</p>	<p>SS</p> <p>EXTEN SION LECTU RE</p> <p>DP</p>	<p>November</p> <p>Oct- November</p> <p>September- December</p>

<p>5th Semester DSE FOR FNTA HONS</p>	<p>FNTADSE02T: ENTREPRENEURSHIP IN FOOD INDUSTRY (THEORY)</p> <p>1. Entrepreneurial Development CASE STUDIES of SUCCESSFUL entrepreneurs, EXERCISES on ways of SENSING opportunities—sources of idea, creating efforts, SWOT49 Analysis, Entrepreneurial skill assessment test,</p>	<p>PS COMM ERCE</p>	<p>September -December</p>
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Academic Calendar
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	<p>Techniques of development of entrepreneurial skills, positive self image and locus of control.</p> <p>2. Food BUSINESS management AND STUDIES of Food PROCESSING Business and ITS ASPECTS, BUSINESS opportunity Identification and ASSESSMENT techniques, BUSINESS Idea Generation and devaluation exercise, Market ASSESSMENT study Analysis of competitive situation,</p> <p>SWOT Analysis for business and for competitors, Preparation of BUSINESS plan, Preparation of project report, Methods of Arrangement of inputs – finance and material, Tax planning.</p> <p>3. Personality development and communication skills No. of Hours 20 Communications SKILLS and Personality Development, Intrapersonal communication and Body Language, Interpersonal Communication and Relationships, Leadership Skills, Team Building and public speaking, Corporate Grooming, Dressing Etiquette, Preparing for Interview, Emotional Quotient.</p> <p>INTERNAL SCRIPTS WILL BE CHECKED BY: PS COMMERCE</p> <p>FNTADSE02P: ENTREPRENEURSHIP IN FOOD INDUSTRY (PRACTICAL) TOTAL HOURS: 60 CREDITS: 2 1. Preparation of business plan. 2. Preparation of project report. 3. Tax Planning under the head Salary. 4. Visit to a food industry</p> <p>INTERNAL PRACTICAL MARKS :- POULAMI SINHA COMMERCE</p>	<p>PS</p> <p>PS COMMERCE</p>	<p>September-December</p> <p>Do</p> <p>Do</p> <p>September-December</p>
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	<p>FNTADSE03T: FOOD BORNE DISEASES AND FOOD TOXICOLOGY(THEORY)</p> <p>1. Food borne DISEASES Definition related to food borne DISEASES, types of DISEASES with example (Pandemic, Endemic and Epidemic). Infection, contamination, decontamination, disinfection, transmission (direct and indirect). Brief idea about different vector borne DISEASES, mode of TRANSMISSION prevention and control of following DISEASES: Salmonella, Shigella, Typhoid, Botulism, Cholera, E.coli food poisoning, Staphylococcus food poisoning, Clostridium infection, Bacillary infection.</p> <p>2. Lactose intolerance Lactose intolerance-its mechanism and enzyme deficiency.</p> <p>3. Mechanism of foodborne DISEASES Molecular mechanism of foodborne DISEASES.</p> <p>4. Food SAFETY Definition: Food SAFETY, TYPES of hazards (Biological, chemical and PHYSICAL HAZARDS), impact on health, control MEASURES, factors affecting food SAFETY.</p> <p>5. Hygiene and sanitation Hygiene and sanitation: Contamination, control methods using physical and chemical agents, use of preservatives, pest control management, personal hygiene.</p> <p>6. Food safety management Food safety management: Concept of safety management, prerequisites-GHPs, GMP, HACCP etc.</p> <p>7. Toxic agents in food Toxic agents in food: Botulism, lathyrism, Ciguatera toxins, Tetrodotoxins, Saxitoxins, Conotoxins, Antivitamin, Haemagglutinins, Cyanogenic glycosides, Strychnine, Solanine, atropine, Muscarine.</p>	<p>MS</p> <p>MS</p> <p>E Lec</p> <p>MS</p> <p>GC</p> <p>GC</p> <p>GC</p>	<p>September - Oct</p> <p>October</p> <p>November</p> <p>November</p> <p>September - November</p> <p>December</p>
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	<p style="text-align: center;">INTERNAL SCRIPTS WILL BE CHEKED BY: GC</p> <p>FNTADSE03P:FOODBORNE DISEASES AND FOOD TOXICOLOGY (PRACTICAL) TOTAL HOURS: 60 CREDITS: 2 1. Assessment of surface sanitation by swab and rinse method. 2. Assessment of personal hygiene. 3. Designing of various food processing systems and food service areas. 4. Design and layout of cold storage and ware house. 5. Assessment of physico chemical properties of waste water. 6. Isolation and enumeration of bacteria from rotten food bread and vegetables. 7. Testing of sanitizers and disinfectants. 8. Study of phenol coefficient of sanitizers. 9. Visit to Food industry and preparation of report.</p> <p style="text-align: center;">INTERNAL PRACTICAL MARKS WILL BE GIVEN BY :- DP</p> <p style="text-align: center;">5TH SEM G (DSE 1 SYLLABUS FOR FNTG [ONLY FOR DSC])</p> <p>FNTGDSE02T- FOOD SAFETY AND FOOD PROCESSING</p> <p>1. Food additive and food safety: Concept of food safety, factors affecting food safety, Food additives-various type and their effects on health.</p> <p>2. Food spoilage: Cereals, PULSES, Vegetables & Fruits, Milk & milk products, FLESHY foods, Fats & OILS. Food borne infections & infestation.</p> <p>3. Food adulterants PFA definition of food adulteration, Common adulterants in food and their effects on health, Common household methods to detect adulterants in food.</p> <p>4. Food laws and regulatory authority No. of Hours 10 Prevention of Food Adulteration (PFA) Act, Regulating authority-Codex Alimentarius, ISI, Agmark, Fruit Products Order (FPO), Meat Products Order (MPO), Bureau of Indian Standards (BIS), MMPO, FSSAI.</p> <p>5. Food Preservation No. of Hours 10 Food Preservation-Definition, Objectives, Methods-main principle, procedure, common examples</p> <p>6. Food adjuncts and preserved products No. of Hours 8 Spices (Chilies, Turmeric, Garlic and Ginger), use and nutritional aspect. JAMS, Jellies, Squashes-USES and nutritional ASPECTS.</p> <p style="text-align: center;">INTERNAL SCRIPTS WILL BE CHEKED BY: SS</p> <p>FNTGDSE02P- FOOD SAFETY AND FOOD PROCESSING (PRACTICAL) TOTAL HOURS: 60 CREDITS: 2 1. Detection of common adulterant in food i) Khesari flour in besan ii) Vanaspati in Ghee/Butter iii) Dried papaya seeds in black pepper iv) Metanil yellow in turmeric or coloured sweet products.v)</p>	<p style="text-align: center;">DP</p> <p style="text-align: center;">SS</p>	<p style="text-align: center;">September-December</p> <p style="text-align: center;">Oct - December</p> <p style="text-align: center;">Oct-dec</p>
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1ST SEMESTER (NEP) MAJOR	<p>Artificially foreign matter in tea (dust/leaves). 2. Prepa ration of Jam, Jelly, Pickle and Sauce</p> <p style="color: green; text-align: center;">INTERNAL PRACTICAL MARKS WILL BE GIVEN BY :- SS</p>		
	<p>CORE COURSE (DS) FNTADS01T BASICS OF FOOD & NUTRITION</p> <p>1.Introduction to Food and Nutrition Foods:Energygiving, bodybuildingandprotective.Nutrients:macroandmicronutrients,Dieta nd balanceddiet,Menu.Healthandnutritionalstatus.Malnutrition,functional food, prebiotics, probiotics, 8 phytochemicals, nutraceuticals. Fibre. Functions of foods: physiological, psychological, social. Food groups,food pyramid,Relationbetweenfoodandnutrition,healthanddiseases.</p> <p>2. Foods, Nutrients and cooking of food Foods and their nutrientcontents:Nutrientspresentincerealsandmillets,pulses,nutsand oil seeds, fruits and vegetables, milk and milk products, flesh food, eggs, Condiment and spices, salt. Nonnutrient components of foods: phytate, tannins,oxalate,trypsininhibitor,goitrogensandothertoxicagentsinfood. Cooking: Beneficial and adverse effects of cooking. Different methods of cooking-dry, moist, frying, and micro wave cooking-advantage, disadvantageandtheeffectofvariousmethodsofcookingonfoods,Solar cooking.</p> <p>3.Food energy and energy requirementsTheenergyvalue of foods: Physical and physiological calories. Bomb calorimeter Energy requirement of an individual: Basal metabolic rate (BMR) and physical activity..BMR:Measurement(directandindirect),factorsaffectingBMR, SDAoffoods.physicalactivityratio(PAR).Classificationofactivitiesbased on occupations.Nutritional requirements and Recommended dietary allowances(RDA):factorsaffectingRDA,ApplicationofRDA,Referencem an andwoman..</p>	SS	August- November
	<p style="color: green; text-align: center;">INTERNAL SCRIPTS WILL BE CHEKED BY: MS</p>	GC	August- November
		MS	August- November

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	<p>DS FNTADS01P BASICS OF FOOD AND NUTRITION PRACTICAL CREDITS 1. Process involved in cooking, microwave, steaming, grilling, deep fat frying.</p> <p>2.Generalconceptsofweightsandmeasures,Eyeestimationofrawcooked foods</p> <p>3. Preparation of food from different food groups and their significance in relation to health</p> <p>4. Preparation of supplementary food from different age group and their nutritional significance</p> <p>INTERNAL PRACTICAL MARKS :- SS</p> <p>FNTASE01: Fundamental Skills of Computer and Instrumentation</p> <ul style="list-style-type: none"> • Proficiency in use of commonly available widely used packages related word processing, presentation, email and working knowledge in spreadsheet packages • Preparation of reports, creation of tables, graphs as especially appropriate for food and nutrition <ul style="list-style-type: none"> • Preparation of suitable aids for the purpose of communication and demonstration of food and nutrition related issues especially focussing the common people • Preparation of self-profile • Use of microscopy <p>Project submission , Examiner GC</p>	<p style="text-align: center;">SS& GC</p> <p style="text-align: center;">SS DP GC MS</p>	<p>August- November</p> <p>August - december</p>
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Food and Nutrition Minor

**CORE COURSE (DS) FNTGMA01T:
Elementary Food and Nutrition**

<p>1. Introduction to Food and Nutrition Definition of Food, Nutrition, Nutrient, Dietetics, Balance diet, Malnutrition, Energy, BMR</p>	SS & GC	August-sep
<p>2. Food and Nutrients Carbohydrate, Protein, Fat, Vitamins and Minerals (calcium, phosphorus, sodium, potassium, iron, iodine,) - sources, classification, chemistry, functions, deficiencies of these nutrients. Functions of water and dietary fibre.</p>	MS	August- oct
<p>3. Food groups Basic food groups: Types, composition, nutritional significance, role of cookery of cereals, pulses, milk and milk products, meat, fish, egg, vegetables and fruits, nuts, oil and sugar.</p>	SS	August -Nov
<p>4. Deficiency Diseases: Elementary idea about deficiency diseases related to food and nutrition</p>	GC	August- nov
PRACTICAL		
<p>1. Elementary idea of weights and measures. SS</p>		
<p>2. Preparation of dishes from different food groups. MS</p>		Sep- Nov
<p>3. Planning and preparation of diet for an adult female and male. SS</p>		

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Academic Calendar

**Department of Food & Nutrition (Honours)
2023 2nd 4th sem 6th sem CBCS**

Semester/ Year (H/G)	Syllabus Module/ Unit TOPIC	No of Lecture s	Teachers	Distributi on
2 nd Semester	FNTACOR03T: FOOD CHEMISTRY(THEORY)			
	1. proteins & amino acids	5	DP	WITHIN APRIL
	Proteins: Classification. FUNC, deficiency	1		
	Protein structure and organization: primary, secondary, tertiary and quaternary structure.	1		
	Amino acid classification.			
	Physical and chemical properties of amino acid and protein.	1		
	Biological value of proteins (BV), Net protein utilization (NPU) and Proteinefficiency ratio (PER).	1		
	2. carbohydrate chemistry	6	DP	MAY
	Carbohydrates: classification- mono-, di- & polysaccharides; func, deficiency	1		
	Stereoisomerism in carbohydrates.	1		
	Physical and chemical properties of mono-, di- and polysaccharides;	1		
	Dietary fibre - definition;	1		
	Fibre components - cellulose, hemicellulose, pectin substances, lignin.	1		
	3, Lipid chemistry	5	SS	WITHIN APRIL
	Lipids: Classification- Fatty acids, triglycerides, phospholipids, Glycolipids, sterols and steroids.	1		
Eiconoids.	1			
Edible fats and oils - physical and chemical properties, Hydrogenation and importance of fats in the diet.	1			
Physical and chemical properties of saturated, monounsaturated, polyunsaturated fatty acids, trans fatty acids, phospholipids, cholesterol and liposomes.	1			
Essential fatty acids.				
4. water	3	DP	WITHIN MAY 1 ST WEEK	
Definition of water in foods, water activity,	1			
phase transition of food containing water.	1			
Water activity and its influence on quality and stability of foods, methods for stabilization of food systems by control of water activity	1			

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	<p>5. physiochemical principles</p> <p>Laws of thermodynamics, Enthalpy, Entropy. Gibbs' free energy Thermodynamics and living system. Definition, explanation, importance and biological application of diffusion, osmosis, absorption, absorption, viscosity and surface tension. Colloids: definition and importance. Acids and bases, Hydrogen ion concentration. Buffers. Oxidation reduction potential of bioactives (e.g. flavonoids, phenolic acids, quinols) and their applications in food systems</p> <p>6. enzymes</p> <p>Enzymes: Definition and structure. Enzyme substrate interaction. Enzyme kinetics, Michaelis-Menten constant (K_m) equation Enzyme inhibition. Factors regulating enzyme activities, Isoenzymes, Pro-enzymes, Ribozymes, Apozymes, Concept of Rate limiting enzymes</p> <p>INTERNAL EXAMINER :=DP</p> <p>FNTACOR03P: FOOD CHEMISTRY, BIOPHYSICS AND BIOCHEMICAL PRINCIPLES(PRACTICAL)</p> <p>1. Qualitative tests for the identification of: Glucose, Galactose, Fructose, Sucrose, Lactose, Starch, Dextrin.</p> <p>2. Glucose estimation in blood .</p> <p>3. Qualitative tests for the identification of - Albumin, Gelatin, Peptone, urea, uric acid.</p> <p>4. Protein estimation by Biuret and Lowry methods.</p> <p>5. Estimation of urea and uric acid in blood.</p> <p>6. Determination of acid value of oils by titrimetric method.</p> <p>7. Determination of osmotic pressure of colloidal solutions.</p>	<p>6</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>4</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>4</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p>	<p>SS</p> <p>DP</p> <p>DP</p>	<p>JUNE</p> <p>MAY TO JUNE '=</p> <p>WITH IN JUNE</p>
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8. Determination of specific gravity of liquid (fruit juice, blood).	2		
INTERNAL EXAMINER :- DP			
FNTACOR04T: PHYSIOLOGY IN NUTRITION (THEORY)	10		
1. physiology of excitable cells			
Different types of muscles and their structures	1		APRIL TO MAY 2 ND WEEK
Mechanism of skeletal muscle contraction and relaxation,	2	M. SETH	
Muscle energetic, Isometric and isotonic muscle contraction.	2		
Structure of nerves.	1		
Nerve impulse and its conduction. Synapse and Neuromuscular junctions.	2		
Synaptic transmission.	1		
Neurotrophins	1		
2. nervous system	10		
Brief anatomy of Brain and spinal cord. Central and Peripheral nervous system.	1		MAY TO JUNE
Reflex action and Reflex arc.	1	M.SETH	
Outline of functions of cerebrum, cerebellum, hypothalamus. Autonomic nervous system:	1		
Sympathetic and parasympathetic nervous system.	1		
Sensory physiology: Sensory Receptors as biotransducers.	1		
Brief outline of the special senses.	1		
Structure and functions of photoreceptors in eye and hair cells in cochlea	3		
3. reproductive system			
Structure of ovary, fallopian tubule and uterus.	12		MAY
Oogenesis and ovulation.	1	MS	
Changes during menstrual cycle,	2		

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Hormonal regulation of menstrual cycle and menopause	2		
Fertilisation and implantation of blastocysts , Placenta.	2		
Hormonal control of pregnancy, parturition, lactation,	2		
Structure of testis, prostate and seminal vesicle.	1		
spermatogenesis and its hormonal regulation.	2		
4.endocrine system	12		
Structure, hormones and functions of pituitary,	2		
thyroid,	2		
parathyroid,	2	GC	WITHIN JUNE
adrenal gland	2		
and pancreas.	2		
Hypothalamus as an endocrine gland.	2		
Gastrointestinal hormones.	2		
Growth factors.			
INTERNAL EXAMINER :- GC			
FNTACOR04P: PHYSIOLOGY IN NUTRITION(PRACTICAL)			
1. Test for Visual acuity, Colour vision.	4		
2. Identification with reasons of histological slides (Lung, Liver, Kidney, Small intestine, Stomach, Thyroid, Adrenal, Pancreas, Testis, Ovary and Muscle of mammals).	4	M.SETH & MS	WITHIN JUNE
3. Qualitative determination of glucose in blood or urine.	2		
4. Total count (TC) and Differential count (DC)	4		
INTERNAL EXAMINER:- MS			

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4 th Semester	<p>FNTACOR08T: community nutrition(THEORY)</p> <p>1. Concept on Community Concept of Community, types of Community, Factors affecting health of the Community.</p> <p>2. Nutritional Assessment and Surveillance Nutritional Assessment Surveillance: Meaning, need, objectives and importance.</p> <p>3. Assessment methods for human Nutritional assessment of human: Clinical findings, nutritional anthropometry, biochemical tests, biophysical methods.</p> <p>4. Diet survey Diet survey: Need and importance, methods of dietary survey, Interpretation - concept of consumption unit, individual and total distribution of food in family, adequacy of diet in respect to RDA, concept of family food security.</p> <p>5. Clinical Signs Clinical Signs: Need and importance, identifying signs of PEM, vitamin A deficiency and iodine deficiency, Interpretation of descriptive list of clinical signs. Nutritional anaemia. Rickets, B-Complex deficiencies.</p> <p>6. Nutritional anthropometry Nutritional anthropometry: Need and importance,</p>	<p>2</p> <p>4 2 2</p> <p>5 1 2 1 1</p> <p>10 3 4 3</p> <p>10 1 2 2 2 1</p>	<p>SS</p> <p>SS</p> <p>SS</p> <p>SS</p> <p>SS</p> <p>SP</p>	<p>APRIL</p> <p>June 1st week</p> <p>JUNE 1ST WEEK</p> <p>WITHIN JUNE</p> <p>JUNE 1ST WEEK</p>
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	<p>FNTACOR09T: EPIDEMIOLOGY AND PUBLIC HEALTH(THEORY)</p> <p>1. Introduction on Health Health and its importance: Definition of health (WHO), Dimension of health,</p> <p>Positive health.</p> <p>Determinants of health.</p> <p>Concept of disease and its causations.</p> <p>2. Data of Community health Secondary sources of community health data: Indicators of health. Secondary sources of data from NFHS, Vital Statistics, Census of India, ICMR.</p> <p>3.Epidemiology</p> <p>Definition of epidemiology, components and aims of epidemiology, basic measurements in epidemiology.</p> <p>Demography and family planning.</p> <p>Brief idea about epidemics,</p> <p><u>epidemiological methods: analytical epidemiology (case control and cohort study);</u></p> <p><u>Experimental epidemiology.</u></p> <p>Infectious diseases in epidemiology.</p> <p>Dynamics of disease transmission, modes of transmission of disease.</p>	<p>4</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>10</p> <p>12</p>	<p>MS</p> <p>MS</p> <p>MS</p>	<p>2ND WEEK OF APRIL</p> <p>4TH WEEK OF APRIL</p> <p>JUNE END</p>
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	<p>4.Diseases: Prevention and control</p> <p>Epidemiology of diseases, prevention and control [(Nutritionally related disease:- Hyperlipidaemia, clotting disorder, scurvy, beriberi, goiter); (vector borne disease: - HIV/AIDS, malaria, poliomyelitis, dengue, tuberculosis, mumps measles rubella, chicken pox, pertussis, chikungunya); (food borne disease:- salmonellosis, shigellosis, Typhoid , botulism, amoebiasis, rotavirus, E.coli food poisoning, staphylococcal food poisoning); (water borne disease: arsenic toxicity, cholera); (non communicable disease:- obesity, diabetes, coronary heart disease)</p> <p>5.Public health Definition of public health, relation between health and nutrition.</p>	<p>3</p>	<p>DM MS DM</p>	<p>WITHIN APRIL</p> <p>4TH week MAY</p>
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Academic Calendar

Department of Food & Nutrition (Honours) 2023 2nd 4th sem 6th sem CBCS

<p>6. Immunization</p> <p>Immunization : definition. Host defenses and immunity, immunizing agents: its types, national immunization schedule- its importance, immunization in adults and travellers, hazards of immunization health advice to foreign travellers.</p>	2	MS	MAY
<p>7. Community health care</p> <p>Health care of the community, health care delivery, health care system, Primary health care in India, Indian public health standards for subcenters, PHCs, community health centers. Hospital waste management.</p>	2	MS	JUNE 1 ST WEEK
<p>8. Community water management</p> <p>Community water management: importance of water to the community, sources of water. Concept of water pollution. Purification of water in small and large scale. Drinking water handling and safe drinking water</p>	6	DM	WITHIN JUNE
<p>9. Community waste management</p> <p>Community waste management: types and methods of disposal of wastes, sewage disposal and treatment.</p>	4	DM	WITHIN JUNE
<p>10. Air pollution</p> <p>Air pollution: source of air pollution, factors of air pollution. Indoor air pollution. Monitoring of air pollution. Effects, prevention and control of air pollution.</p>	4	DM	WITHIN JUNE
<p>INTERNAL EXAMINER :- DM FNTACOR09P: EPIDEMIOLOGY AND PUBLIC HEALTH(PRACTICAL)</p>			

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	<p>.1. Preparation of 3 audio visual aids like charts, posters, models related to health and nutrition education.</p> <p>2. Formulation and preparation of low cost and medium cost nutritious/ supplementary recipe.</p> <p>3. Field visit (health centre, immunization centre, ICDS, MCH centre, NGOs etc.)</p> <p>2 PROJECT SUBMISSION BY STUDENTS.</p> <p>FNTACOR10T: DIET THERAPY FOR LIFE STYLE DISORDERS(THEORY)</p> <p>1. Lifestyle disorder Introduction, types, aetiology, management.</p> <p>2.Diabetes Mellitus Definition, Etiology, Classification, long and short term complications, Diagnosis, Management (Insulin Therapy, Dietary Management with food exchange list, Exercise,Pharmacological), Role of artificial sweeteners. Overview of special conditions: Diabetes in Childhood, Pregnancy, Role of Nutrition Education, Role of Nutrition in Prevention.</p> <p>3.Cardiovascular diseases</p> <p>Prevalence, incidence, mortality with special reference to Indian situation.</p> <p>Patho - physiology and Management of Atherosclerosis,</p> <p>Endothelial dysfunction,</p> <p>Thrombosis,</p> <p>Angina Pectoris,</p> <p>Congestive cardiac failure,</p> <p>stroke,</p> <p>MI.</p> <p>Hyper-lipidemia– classification, diagnosis and</p>	<p style="text-align: center;">4</p> <p style="text-align: center;">8</p> <p style="text-align: center;">8</p>	<p style="text-align: center;">GC</p> <p style="text-align: center;">GC</p> <p style="text-align: center;">DP</p> <p style="text-align: center;">GC</p>	<p style="text-align: center;">WITHIN JUNE</p> <p style="text-align: center;">APRIL 2ND WEEK</p> <p style="text-align: center;">MID APRIL</p> <p style="text-align: center;">WITHIN APRIL</p>
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Academic Calendar

Department of Food & Nutrition (Honours) 2023 2nd 4th sem 6th sem CBCS

	nutritional management,			
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<p>2ND SEM GENERA L</p>	<p>INTERNAL EXAMINER :- GC</p> <p>FNTACOR10P: DIET THERAPY FOR LIFE STYLE DISORDERS(PRACTICAL)</p> <p>Planning and preparation of Diets for the following diseases: i) Obesity and Underweight SP ii) Diabetes mellitus SP iii) Hypertension and Atherosclerosis GC iv) Overweight and Underweight SP v) Gout GC vi) Osteoporosis GC</p> <p>INTERNAL EXAMINER :- SP</p> <p>FNTGCOR02T: HUMAN BODY AND NUTRITION (THEORY)</p> <p>1. Animal cell Animal cell: definition, structure and functions of different parts. Organelle</p> <p>Blood and body Fluids: Blood, composition, blood corpuscles, functions, blood groups and its importance in transfusion, hazards of mismatch blood transfusion. Rh factor, blood coagulation. Lymph: Composition and function.</p> <p>Cardiovascular and Respiratory system Heart: Junctionl tissues and functions. Cardiac cycle, cardiac output, blood pressure and its regulation. Mechanism of respiration, Respiratory centre. Respiratory regulation.</p> <p>4. Digestive system and Digestion Digestive system: Structures involved in digestive system (mouth, oesophagus, stomach, small intestine, large intestine, liver pancreas, gallbladder), and their functions, composition of different digestive juices & their functions.</p>	<p>4</p> <p>4</p> <p>6</p> <p>4</p>	<p>SP, GC</p> <p>MS</p> <p>GC</p> <p>MS</p> <p>M.SETH</p> <p>GC</p> <p>MS</p>	<p>WITHIN JUNE</p> <p>2ND week of APRIL</p> <p>3RD WEEK OF APRIL</p> <p>MAY</p> <p>WITHIN JUNE</p>
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Department of Food & Nutrition (Honours)
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	Digestion and absorption of carbohydrate, protein and fat.	8	MS	WITHIN JUNE
	 <p>5. Excitable cells Brief description about the mechanism of muscular contraction.</p> <p>Neuro-muscular transmission.</p>	4	M.SETH	
	<p>6. Regulatory systems General idea about the Hormones in human body and their significance on nutrition.</p> <p>Brief idea about brain and spinal cord, somatic and autonomic control of body</p> <p>INTERNAL EXAMINER :-GC</p>	8	GC	WITHIN JUNE
	<p>FNTGCOR02P: HUMAN BODY AND NUTRITION (PRACTICAL)</p> <ol style="list-style-type: none"> Determination of pulse rate in Resting condition and after exercise (30 beats/10 beats method) Determination of blood pressure by Sphygmomanometer (Auscultatory method). Identification of permanent sections (Blood cells, Stomach, Small intestine, large intestine, Liver, pancreas). Determination of Bleeding Time (BT) and Clotting Time (CT). Detection of Blood group (Slide method). 		SS	WITHIN JUNE
	<p>FNTGCOR04T:DIETETICS (THEORY) TOTAL HOURS: 60 CREDITS: 4</p> <p>1. Concept on Diet therapy Definition and objective of dietetics, Definition-diet therapy, Dieticians;principles and classification of the therapeutic diet. Responsibility of dieticians.</p>	4	MS	WITHIN APRIL 2 ND WEEK
	<p>2. RDA, Meal planning and Dietary guidelines RDA- Definition, Nutritional requirements (RDA), Principles and objectives of meal planning,</p>	6	GC	WITHIN MAY

<p>4TH SEM GENERA L</p>	<p>Dietary guidelines of pregnant & lactating women, infants(Weaning, supplementary food), pre-school children & school children (School lunch programme), adult males and females, old age people.</p> <p>3. Hospital diet Hospital diet: regular, soft, fluid, s pecial feeding methods- advantages, disadvantages</p> <p>4. Dietary management of different diseases Dietary management in Gastro intestinal diseases (diarrhoea, constipation, gastritis, peptic ulcer & flatulence), Fever (short term), Diabetes mellitus (Type II - 1), Heart diseases (hypertension, atherosclerosis, hyperlipidaemia), Liver diseases (infective hepatitis, cirrhosis of liver), Gout, Obesity (including assessment indices), Underweight.</p> <p>5. Food Allergy Food allergy- Definition, sources, symptoms, diagnosis, treatment, food intolerance.</p> <p>INTERNAL EXAMINER:- MS</p>	<p>4</p> <p>8</p> <p>4</p>	<p>MS</p> <p>MS</p> <p>GC</p> <p>MS</p>	<p>WITHIN JUNE 1ST WEEK</p> <p>WITHIN JUNE</p> <p>WITHIN JUNE</p> <p>WITHIN JUNE</p>
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Academic Calendar

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	Definition, drying as a means of preservation, differences between sun			
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	<p>drying and dehydration (i.e. mechanical drying), heat and mass transfer, factors affecting rate of drying, normal drying curve, names of types of driers used in the food industry.</p> <p>Evaporation – Definition, factors affecting evaporation, names of evaporators used in food industry. Units of radiation, kinds of ionizing radiations used in food irradiation, mechanism of action, uses of radiation processing in food industry, concept of cold sterilization.</p> <p>3. Preserved Products Jam, Jelly, Marmalade, Sauces, Pickles, Squashes, Syrups types, composition and manufacture, selection, cost, storage, uses and nutritional aspects</p> <p>4. Food Standards and Food Laws Introduction on Food standards and Food Laws, FSSAI, ISI, Agmark, FPO, MPO, PFA, HACCP, Codex Alimentarius.</p> <p>5. Food Adulteration Definition, Classification, Different types of adulterants</p> <p>6. Food Packaging Packaging Functions and Requirements,, Printing of packages .Barcodes & other marking, Labeling Laws</p> <p>INTERNAL EXAMINER :-DP</p> <p>FNTACOR13P: FOOD PROCESSING AND FOOD TECHNOLOGY(PRACTICAL) TOTAL HOURS: 60 2 CREDITS</p> <ol style="list-style-type: none"> 1. Study on Blanching and Browning Process. 2. Preparation of Fruit preserves(Jam, Jelly). 3. Preparation of vegetable preserves.(Pickles) 4. Dehydrated Products – tray drying, sun drying etc. 5. Tomato Processing. 6. Fruit Pulping/Juice/Beverages production. 7. Preparation and Standardisation of Traditional Indian Fermented Food. 8. Visit to Food Processing and Preservation uniT. 		<p>DP</p> <p>DP</p> <p>DM</p> <p>DP</p> <p>DM</p> <p>ENTIRELY BY SS</p>	<p>JUNE</p> <p>JUNE</p> <p>JUNE</p> <p>JUNE</p> <p>WITHIN JUNE</p> <p>WITHIN JUNE</p>
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	<p>Detection of Adulterants in common Food Stuffs like Milk, Oil, Laddu, Turmeric etc.</p> <p>INTERNAL EXAMINER :- SS</p> <p>1 PROJECT WILL BE DONE BY STUDENTS</p> <p>FNTACOR14T: RESEARCH METHODOLOGY AND BIostatISTICS(THEORY)</p> <p>1. Research Methodology Meaning, objectives and Significance of research. Types of research, research approaches and scientific methods, Research process, Criteria of good research.</p> <p>2. Research problem Definition and identification of a research problem, Selection of research problem. Technique Involved in Defining a Problem.</p> <p>3. Study design Meaning and needs of design, important concepts relating to research design, variables, experimental and control groups. (Use examples from epidemiology and clinical trials). Different research designs- exploratory, descriptive, analytical and diagnostic (epidemiology and clinical trials). Pilot studies. Qualitative vs quantitative research.</p> <p>4. Sampling of data and analysis Variable, parameter, statistics. Frequency distribution. Cumulative frequency. Graphical presentation techniques including Histogram, Bar chart, Pie chart along with the concepts of frequency polygon. Mean, median, mode, Standard Deviation and Standard Error of mean .Probability. Normal distribution. Student’s t-distribution. Testing of hypothesis - Null hypothesis, errors of inference, levels of significance, Degrees of freedom.</p> <p>5.Preparation of report a. Graphical and diagrammatic presentation. b. Interpretation of – Meaning of</p>	<p>6</p> <p>6</p> <p>12</p> <p>12</p>	<p>DEBASHIS MAZUMDAR</p> <p>DEBASHIS MAZUMDAR</p> <p>DM</p> <p>SS</p>	<p>WITHIN JUNE</p> <p>WITHIN JUNE</p> <p>WITHIN JUNE</p> <p>WITHIN JUNE</p>
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	<p>interpretation, Technique of interpretation, c. Precaution in interpretation- Interpretation of tables and figures. d. Report writing – Significance of report writing, Steps in writing report, Types of reports.</p> <p>INTERNAL EXAMINER :- DM AND SS</p> <p>FNTACOR14P: RESEARCH METHODOLOGY AND BIOSTATISTICS(PRACTICAL)</p> <p>1. Assignment for calculation of mean, median, mode, standard deviation, standard error of mean and students’ ‘t’ test with provided data.</p> <p>FNTADSE04T: FOOD & BEVERAGE MANAGEMENT (THEORY)</p> <ol style="list-style-type: none"> 1. Introduction to Food Service Introduction to food service industry in India, factors contributing to the growth of food service industry, sectors of food service industry, food service operations, Kinds of food service establishments, environmental factors influencing food service operations, styles of food service. 2. Food Production & Menu Planning Food production methods, food production process, cooking methods ,Menu planning: Importance of menu, Factors affecting menu planning, Menu planning for different kinds of food service units , Food Purchase and Storage, Quantity Food production: Standardization of recipes, quantity food preparation - techniques, recipe adjustments and portion control ,Hygiene and Sanitation 3. Resources of food service establishments Food and beverage staff, organization structure, qualities of food service staff, training; food service equipment; food & beverage pricing, revenue control. 4. Personnel Management, Recruitment, selection, induction, 	<p>DEBASHIS MAZUMDAR</p> <p>SS</p> <p>PS (COMMERCE)</p> <p>PS (COMMERCE)</p> <p>PS (COMMERCE)</p> <p>PS(COMME</p>	<p>WITHIN JUNE</p> <p>WITHIN JUNE</p> <p>WITHIN JUNE</p>
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Academic Calendar

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	<p>employee facilities& benefits, safety at work</p> <p>INTERNAL EXAMINER PS</p> <p>INTERDEPARTMENTAL CLASS</p> <p>FNTADSE04P: FOOD & BEVERAGE MANAGEMENT (PRACTICAL) TOTAL HOURS: 60 CREDITS: 2 Planning of A Food Service Unit : Preliminary Planning, Survey of types of units, identifying clientele, menu, operations and delivery Planning the set up a) Identifying resources b) Developing Project plan c) Determining investments d) Project Proposal.</p> <p>FOOD SERVICE UNIT VISIT AND PROJECT FOR MULATION</p> <p>INTERNAL EXAMINER : PS (COMMERCE)</p>		<p>RCE)</p> <p>PS</p>	
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Academic Calendar

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	<p>FNTADSE06T: NUTRITIONAL MANAGEMENT AND COUNSELLING (THEORY)</p> <p>1. Basics of diet counselling Diet Counselling-meaning, significance, process, types Goals of counselling, individuals, group and family counselling, Basic sequence in counselling, Materials needed for counselling –models, charts, posters, AV aids, Hand outs etc, Communication process in counselling and linguistics in clinical dietary practices,</p>	4	SP	WITHIN JUNE
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	<p>problems in communication Role of Counsellor & Counselee, Techniques of obtaining relevant information- 24 Hour Dietary recall, List of food likes and dislikes, Lifestyle Dietician as a part of medical team and research team, Impact of counselling on health and disease of individuals – discussion of hospital case studies</p> <p>2. Introduction on Psychology and counselling Introduction to psychology – Definition , Nature and Scope Attention and perception – Types of attention and factors influencing attention , principles of perceptual organization and abnormalities in perception learning and memory- Types of learning, Types of memory, Forgetting and its causes motivation and emotion- Types of motives, types of emotions, emotional expression, Personality- nature and definition , factors influencing personality, Psychoanalytic theory of personality Nature and goals of counselling Principles of counselling, Characteristics of a good counsellor, Ethical principles of counselling, Special areas of counselling: Educational, family, health, community and counselling of alcoholic, and drug addicts.</p> <p>3. Counselling Skills Approaches to counselling – Psycho analytic approach, Behaviouristic, Humanistic approach, Pre – Helping phase: Rapport building skills, Attending and listening skills, Stage I skills: Empathy, respect, Genuineness and concreteness, Stage II skills: Advanced empathy, self disclosure, Immediacy and Confrontation. Stage III skills: Goal setting, Action plan Programme and Brainstorming</p> <p>4. Diet Counselling at Hospital and Community Level Role of counselling in hospital, Role of counselling in community, Organizing health camps and patient feedback – at hospital level, Organizing health camps and patient feedback – at community level, Diet counselling for obese people, Diet counselling for Diabetics, Diet counselling for CVD, Diet counselling for</p>	<p>10</p> <p>10</p> <p>10</p>	<p>EXTENSION LECTURE</p> <p>EXTENSION LECTURE</p> <p>SP</p>	<p>WITHIN JUNE 2ND WEEK</p> <p>WITHIN JUNE</p> <p>WITHIN JUNE</p>
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	<p>mother and child care, Diet counselling for adolescent, Patient follow up / home visits,geriatric counselling with specific diseases like HIV/AIDS.</p> <p>INTERNAL EXAMINER:- SP</p> <p>FNTADSE06P: NUTRITIONAL MANAGEMENT AND COUNSELLING (PRACTICAL) CREDITS: 2 1. Organizing health camps and patient feedback – both at hospital level and community level 2. Diet counselling for mother and child care,adolescent, obese people, Diabetic patient CVD. 3. Patient follow up / home visits INTERNSHIP PROJECT</p> <p>INTERNAL EXAMINER :- MS</p> <p>6TH SEM G FNTGDSE04T- NUTRITIONAL BIOCHEMISTRY(THEORY)</p> <p>1. Carbohydrate Classes of carbohydrates, Properties and dietary importance of starch, sucrose, lactose, glucose and fructose. Metabolism: Glycolysis, Tricarboxylic acid (TCA) cycle, Gluconeogenesis, Glycogenesis, Glycogenolys</p> <p>2. Protein Classes, properties, functions and secondary structure of protein (alpha helix, beta pleated sheet). Concept and definition: Complete and incomplete proteins, Biological value, Protein Efficiency Ratio (PER), Net Protein Utilisation (NPU), Essential and non-essential amino acids, Deamination, Transamination and Urea cycle.</p> <p>3. Lipid Classes of lipids, Properties and functions of</p>		<p>MS AND SP</p> <p>DP</p> <p>MS</p>	<p>WITHIN JUNE</p> <p>WITHIN MAY</p> <p>WITHIN MAY</p>
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	fats, oils and fatty acid (PUFA, MUFA, SFA.			
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	TFA), Concept of Beta - oxidation of fatty acids	8	MS	WITHIN JUNE
	<p>4. Enzyme Classification, properties and factors affecting enzyme activity. Brief idea on mechanism of enzyme action (Fischer Lock and key model).</p>	6	DP	WITHIN JUNE
	<p>5. Water Definition of water in foods, Wateractivity and its influence on quality and stability of foods,phase transition of food containing water. INTERNAL EXAMINER :- DP</p>	6	MS	WITHIN JUNE
	<p>FNTGDSE04P- NUTRITIONAL BIOCHEMISTRY(PRACTICAL) CREDITS: 2 1. Qualitative tests for the identification of: Glucose, Galactose, Fructose, Sucrose, Lactose, Starch, Dextrin. 2. Qualitative tests for the identification of - Albumin, Gelatin, Peptone, urea, uric acid. 3. Protein estimation by Biuret and Lowry methods. INTERNAL EXAMINER :- DP</p>	12	ENTIRELY BY DP	WITHIN JUNE

ACADEMIC CALENDAR

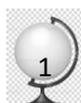
DEPARTMENT OF GEOGRAPHY

Session: 2022- 2023

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar (if any)
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For ODD Semesters

Paper Code: GEOACOR01T							
SEMESTER I	Honours	Unit I: Geotectonic	Earth's tectonic and structural evolution with reference to geological time scale.	60	D.B	July- August	
			Earth's interior with special reference to seismology.		A.C	July- August	
			Plate Tectonics as a unified theory of global tectonics: Processes and landforms at plate margins and hotspots.		O.M	August- September	
		Unit II: Geomorphology	Degradational processes: Weathering, mass wasting and resultant landforms.		A.S	August- September	
		Development of river network and landforms on folded structures.	M.N		September- October		
		Glacial and glacio-fluvial processes and landforms.	M.M		October- November		
		Aeolian and fluvio-aeolian processes and landforms.	M.N		October- November		
		Models on landscape evolution: Views of Davis and Hack	S.K		December- January		



Paper Code: GEOACOR01P

Geotectonic & Geomorphology Lab.	Megascopic identification of (a) mineral samples: Bauxite, calcite, chalcopryrite, galena, hematite, mica, quartz, tourmaline; and (b) rock samples: Granite, basalt, laterite, sandstone, conglomerate, slate, phyllite, schist, gneiss, marble	60	M.N & O.M	July-January	
	Interpretation of geological maps with unconformity and intrusions on uniclinal structure		A.S	July-January	

Paper Code: GEOACOR02T

Cartographic Techniques	Maps: Classification and types. Components of a map	60	M.M	July- August	
	Concept and application of scales: Plain, comparative and diagonal		D.B	September to November	
	Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps		A.S	September to November	
	Coordinate systems: Polar and rectangular		D.B	November-December	
	Concept of generating globe and UTM projection		M.N	December-January	
	Map projections: Classification, properties and uses		S.K & A.C	December-January	
	Graphical construction of scales: Plain, comparative and diagonal		D.B	September to November	

Paper Code: GEOACOR02P

Cartographic Techniques	Construction of projections: Polar Zenithal Stereographic, Bonne's, Cylindrical Equal Area, and Mercator's	60	A.C, S.K & M.N	November-December	
	Delineation of drainage basin from Survey of India topographical map, relative relief map, slope map (Wentworth), and stream ordering (Strahler) on a drainage basin.		A.S	December-January	
	Correlation between physical and cultural features from Survey of India topographical maps using transect chart.		O.M	December-January	

Paper Code: GEOACOR05T

SEMESTER III	Honours	Unit I: Elements of the Atmosphere	Nature, composition and layering of the atmosphere		O.M	July-August	
			Insolation: controlling factors. Heat budget of the atmosphere		O.M	August-September	
			Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences Greenhouse effect and importance of ozone layer		D.B	September-October	
					A.C	November-December	
		Unit II: Atmospheric Phenomena and Climatic Classification	Condensation: Process and forms. Mechanism of precipitation: Bergeron-Findeisen theory		S.K	July-August	

	Air mass: Typology, origin, characteristics and modification		A.S	August-September	
	Weather: stability and instability; barotropic and baroclinic conditions		M.N	September-October	
	Circulation in the atmosphere: Planetary winds, jet stream, index cycle		M.N	November-December	
	Tropical and mid-latitude cyclones		M.M	November-December	
	Monsoon circulation and mechanism with reference to India		M.M	December - January	
	Climatic classification after Köppen		A.S	December - January	

Paper Code: GEOACOR05P

Climatology	Interpretation of daily weather map of India: Monsoon		D.B	July-December	
	Construction and interpretation of hythergraph and climograph (G. Taylor)		A.S	September-November	
	Construction and interpretation of wind rose		M.N	December-January	

Paper Code: GEOACOR06T

Unit I: Geography of India	Physiographic divisions				
	Climate and soil: Characteristics and classification		A.S	July-August	
	Population: Distribution, growth, structure and policy		A.S	August-September	
	Tribes of India with special reference to Toda and Jarwa		O.M	September-October	
	Agricultural regions. Green revolution and its consequences		M.N	November-December	

	Mineral and power resources distribution and utilisation of iron ore, coal and petroleum		M.N	December-January	
	Industrial development: Automobile and information technology		A.C	December-January	
	Regionalisation of India: Economic (P. Sengupta)		M.M	July-August	
Unit II: Geography of West Bengal	Physical perspectives: Physiographic divisions, forest and water resources		M.N	November-December	
	Resources: Agriculture, mining, and industry		M.M	November-December	
	Population: Growth, distribution and human development		S.K	December - January	
	Regional Issues: Darjeeling Hills and Sundarban		A.C	December - January	
Paper Code: GEOACOR07T					
Unit I: Frequency Distribution and Sampling	Importance and significance of statistics in Geography		M.M	July-August	
	Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio)		M.M	August-September	
	Sources of geographical data for statistical analysis		S.K	September-October	
	Collection of data and formation of statistical tables		D.B	November-December	

	Sampling: Need, types, and significance and methods of random sampling		D.B	December-January	
	Theoretical distribution: frequency, cumulative frequency, normal and probability		M.N	December-January	
Unit II: Numerical Data Analysis	Central tendency: Mean, median, mode, partition values		A.S	July-August	
	Measures of dispersion range, mean deviation, standard deviation, coefficient of variation		A.S	August-September	
	Association and correlation: Rank correlation, product moment correlation		M.N	September-October	
	Regression: Linear and non-linear		M.N	November-December	
	Time series analysis: Moving average		S.K	December - January	
	Paper Code: GEOACOR07P				
Statistical Methods in Geography (Lab)	Construction of data matrix with each row representing an areal unit (districts / blocks / mouzas / towns) and corresponding columns of relevant attributes		O.M	July- August	
	Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted using histogram and frequency curve		O.M	August-October	

			Based on of the sample set and using two relevant attributes, a scatter diagram and linear regression line would be plotted and residual from regression would be mapped with a short interpretation		M.N	November-December	
Paper Code: GEOSSEC01M							
			Principles of Remote Sensing (RS): Classification of RS satellites and sensors		D.B	July-December	Students prepare a project report
			Sensor resolutions and their applications with reference to IRS image referencing schemes and data acquisition.		D.B		
			Concept of False Colour Composite from IRS LISS-3		D.B		
			Principles of image interpretation and feature extraction. Preparation of inventories of land use land cover features from satellite images.		D.B		
Paper Code: GEOACOR11T							
SEMESTER V	Honours		Research in Geography: Meaning, types and significance		M.M	July-August	
			Literature review and formulation of research design		A.C	August-September	
			Defining research problem and objectives		A.C	September-October	
			Research materials and methods		A.C	November-December	
			Techniques of writing scientific reports: Preparing notes, references,		M.M	December-January	
							

bibliography, abstract and keywords

Fieldwork in Geographical studies: Role and significance. Selection of study area and objectives. Pre-field academic preparations. Ethics of fieldwork

M.N

July-August

Field techniques and tools: Observation (participant, non participant), questionnaires (open, closed, structured, non-structured). Interview

M.N

August-September

Positioning and collection of samples. Preparation of inventory from field data.

D.B

September-October

Post-field tabulation, processing and analysis of quantitative and qualitative data

D.B

November-December

Paper Code: GEOACOR11P

Literature Review

M.N & A.C

August-January

Field Report

A.S, D.B, O.M, M.M & S.K

August-January

Paper Code: GEOACOR12T

Classification of hazards and disasters.

M.N

July-August

Approaches to hazard study: Risk perception and vulnerability assessment. Hazard paradigms

A.S

August-September

	Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building.		A.S	September-October	
	Hazards mapping: Data and geospatial techniques (for hazards enlisted in Unit II and Core 12P) (Proposed Workshop		Proposed extension lecture	November-December	
	Earthquake: Factors, vulnerability, consequences and management		O.M	December-January	
	Tropical Cyclone: Factors, vulnerability, consequences and management		M.M		
	Riverbank erosion: Factors, vulnerability, consequences and management		S.K		
Paper Code: GEOACOR12P					
	An individual Project Report is to be prepared and submitted based on any one case study among the following disasters of West Bengal:		M.N, A.S, D.B, A.C, O.M, M.M & S.K	July-January	
	1) Cyclone/ Thunderstorm, 2) Landslide, 3) Flood, 4) Coastal/ riverbank erosion, 5) Fire, 6) Industrial accident, 7) Structural collapse.				
Paper Code: GEOADSE01T					
	Factors or soil formation. Man as an active agent of soil transformation.		M.M	July- August	
	Soil profile. Origin and profile characteristics of Lateritic and Chernozem soils		O.M	July- August	

	Definition and significance of soil properties: Texture, structure and moisturiser		Collaboration class	August	
	Definition and significance of soil properties: pH, organic matter and NPK		Collaboration class	September	
	Soil erosion and degradation: Factors, processes and mitigation measures		A.S	October- November	
	Principles of soil classification: Genetic and USDA.		A.S	November- December	
	Concepts of biosphere, ecosystem, biome, ecotone, community, niche, succession and ecology		M.N	July- August	
	Concepts of trophic structure, food chain and food web.		M.N	July- August	
	Geographical extent and characteristic features of: Tropical rain forest and Grassland biomes		M.M	August	
	Bio-geochemical cycles with special reference to carbon dioxide and nitrogen		M.N	September	
	Measures for conservation of bio-diversity in India: Man and Biosphere Programme		M.N	October- November	
Paper Code: GEOADSE02T					
	Scope and content of Settlement Geography; rural, urban and peri-urban areas		M.M	July- August	
	Rural Settlement: Definition, nature and characteristics		A.C	August	

	Morphology of rural settlements: site and situation, layout-internal and external		M.N	September	
	Rural house types with reference to India, Social segregation in rural areas; Census categories of rural settlements.		M.N	October-November	
	Problems and policies related to rural infrastructure with reference to India		O.M	November-December	
DEPARTMENT OF GEOGRAPHY					
	Urban Settlements: Census definition (Temporal) and categories in India		A.S	July- August	
	Urban morphology: Classical models: Burgess, Homer Hoyt, Harris and Ullman Metropolitan concept		A.S	August	
	City-region and Conurbation, Functional classification of cities: Nelson and McKenzie		M.N	September	
	Aspects of urban places: Location, site and situation, Size and spacing of cities: the rank size rule, the law of the primate city		S.K	October-November	
	Urban hierarchies: Central Place Theory		S.K	November-December	

For EVEN Semesters

Paper Code: GEOACOR03T

SEMESTER II	Honours	Unit I: Nature and Principles	Nature, scope and recent trends. Elements of Human Geography	90	S.K	February				
			Approaches to Human Geography; Environmental		S.K	February				
			Concept and classification of race		S.K	March				
			Cultural regions (language and religion)		S.K	March				
		Unit II: Society, Demography and Ekistics	Evolution of human societies: Hunting and food gathering, pastoral nomadism, subsistence farming and industrial society		90	M.M	February			
			Human adaptation to environment: Masai			M.M	February-March			
			Population growth and distribution, demographic transition			M.M, M.N	March			
			Types and patterns of rural settlements			O.M	March-April			
			Morphology of urban settlements			O.M	April			
		Paper Code: GEOACOR04T								
		Cartograms and Thematic Mapping	Concepts of rounding, scientific notation, logarithm and anti-logarithm, natural and log scales		60	D.B	February-March			
			Diagrammatic representation of data: Line, Bar, Isopleths			A.S	March			
Representation of socio-economic data: Dots and spheres, proportional circles and Choropleth	A.S		March-April							

		Bearing: Magnetic and true, whole-circle and reduced		M.N	February	
		Basic concepts of surveying and survey equipment: Prismatic Compass, Dumpy Level, Theodolite		D.B	March-May	
Paper Code: GEOACOR04P						
	Cartograms and Thematic Mapping lab	Thematic maps:				
		– Choropleth showing density of population		A.S	February	
		– Dots and Spheres diagram showing distribution of rural and urban population.	60	A.S	March	
		– Proportional pie-diagrams representing economic data and land use data		A.S	March	
		Traverse survey using prismatic compass, Profile survey using dumpy Level		D.B	March-May	

		Paper Code: GEOACOR08T					
SEMESTER IV	Honours	Unit I: Regional Planning	Concept of regions: Types of regions and their delineation		A.C	February	
			Regional Planning: Types, principles, objectives		A.C	February-March	
			Multi- level planning in India		A.C	March	
			Metropolitan concept and urban agglomerations	90	A.C	April	
			Unit-II: Regional Development	Concepts of growth and development		M.N	February

		Economic, social and environmental		O.M	March	
		Human development: Concept		O.M	April	
		Cumulative causation model for regional development (Myrdal)		D.B	March	
		Concept and causes of underdevelopment		D.B	April	
		Regional development in India: Disparity and diversity		D.B	June	
GEOACOR09T						
	Unit-I: Concepts	Concepts in Economic Geography: Goods and services, production, exchange and consumption		O.M	February	
		Concept of economic man		O.M	March	
		Economic distance and transport costs		O.M	April	
	Unit-II: Economic Activities	Concept and classification of economic activities		A.C	February	
		Factors affecting location of economic activity with special reference to industry (Weber).		A.C	February	
		Secondary activities: Concept of manufacturing regions, special economic zones and technology parks	60	A.C	March	
		Tertiary activities: Transport and services		M.M	March	
		Agricultural systems: Case studies of tea plantation in India and mixed farming in Europe		M.N	April	
		International trade and economic blocks: WTO, GATT and BRICS: Evolution, structure and functions		M.M	May	

GEOACOR10T

Unit-I: Concepts	Concept of holistic environment and systems approach	60	A.S	February	
	Ecosystem: Concept, structure and functions		A.S	March	
Unit-II: Environmental problems and policies	Urban environmental issues with special reference to waste management		S.K	March	
	Environmental policies – National Environmental Policy, 2006, Earth Summits (Stockholm, Rio, Johannesburg)		S.K	April	
	Global initiatives for environmental management (special reference to Montreal Protocol, Kyoto Protocol, Paris Climate Summit)	S.K	May		

GEOACOR10P

Environmental Geography Lab	Preparation of questionnaire for perception survey on environmental problems	60	A.S	February-March	
	Preparation of checklist for Environmental Impact Assessment of an urban / industrial project		A.C	March-April	
	Interpretation of air quality using CPCB / WBPCB data		D.B	April- May	

GEOSSEC02M

Advance Spatial Statistical Techniques	Probability theory, probability density functions with respect to Normal, Binomial and Poisson distributions and their	30	S.K	February-April	Project prepared by the students
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			geographical applications.				
			Sampling: Sampling plans for spatial and non-spatial data, sampling distributions. Sampling estimates for large and small samples tests involving means and proportions.		S.K		
			Correlation and Regression Analysis: Rank order correlation and product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis.		S.K		
			Time Series Analysis: Time Series processes; Smoothing time series; Time series components.		S.K		

GEOACOR13T

SEMESTER VI	Honours	Unit I: Nature of Pre Modern Geography	Development of Geography: Contributions of Greek and Chinese geographers	90	A.C	February-March	
			Impact of 'Dark Age' in Geography and Arab contributions		A.C	March	
			Geography during the age of 'Discovery' and 'Exploration' (contributions of Columbus, Vasco da Gama, Magellan)		A.C	March-April	
			Dualism and Dichotomies (Ideographic vs. Nomothetic, Physical		A.C	April	

			vs. Human, Determinism vs. Possibilism,)				
		Unit-II: Foundations of Modern Geography and Recent Trends	Evolution of Geographical thoughts in Britain and United States of America		A.C	February-March	
			Contributions of Humboldt and Ritter		A.C	March-April	
			Contributions of Ratzel and Vidal deLaBlaché		A.C	March-April	
			Trends of geography in the post-World War-II period: Quantitative Revolution, systems approach.		A.C	April	
			Evolution of Critical Geography: Behavioural, humanistic and radical.		A.C	May	
		GEOACOR14T					
		Unit I: Remote Sensing	Principles of Remote Sensing (RS): Types of RS satellites and sensors		M.N	February	
			Sensor resolutions and their applications with reference to IRS and Landsat missions		M.N	March	
			Preparation of False Colour Composites from IRS LISS-3 and Landsat TM and OLI data.	60	M.N	March	
			Principles of image correction and interpretation. Preparation of inventories of landuse land cover (LULC) features from satellite images.		M.N	April	

	Unit II: Geographical Information System and Global Navigation Satellite System	Concept of GIS and its applicability ; GIS data structures: types: spatial and non-spatial, raster and vector		M.N	February		
		Principles of preparing attribute tables and data manipulation and overlay analysis		D.B	March		
		Principles of GNSS positioning		D.B	April		
	GEOACOR14P						
	Remote Sensing and GIS	Preparation of land use and land cover map from standard FCC and its interpretation	60	D.B	February		
		Representation of raster and vector data format.		O.M	March		
		Area and length calculations from GNSS data.		D.B	April		
	GEOACORDSE04T						
	Unit I: Hydrology	Systems approach in hydrology. Global hydrological cycle: Its physical and biological role	90	O.M	February		
		Run off: controlling factors. Infiltration and evapotranspiration.		O.M	February		
Drainage basin as a hydrological unit. Principles of watershed management		O.M		March			
Groundwater: Occurrence and storage. Factors controlling recharge, discharge and movement		O.M		April			

	Unit II: Oceanography	Major relief features of the ocean floor: characteristics and origin according to plate tectonics		M.M	February		
		Physical and chemical properties of ocean water		M.M	February-March		
		Water mass, T-S diagram		M.M	March		
		Ocean temperature and salinity: Distribution and determinants		M.M	April		
	GEOACORDSE06T						
	Unit I: Resource and Development	Approaches to Resource Utilization: Utilitarian, Conservational, Community based adaptive		90	S.K	February	
		Significance of Resources: Backbone of Economic growth and development			S.K	February-March	
		Problems of resource depletion—global scenario (forest, water, fossil fuels).			S.K	March	
		Conservation of Natural Resources			S.K	April	
	Unit II: Resource Conflict and Management	Distribution, Utilisation, Problems and Management of Mineral Resources: Bauxite and Iron Ore.			A.S	February	
		Distribution, Utilisation, Problems and Management of Energy Resources: Conventional and Non- Conventional			A.S	February-March	
		Concept of Resource sharing: Water			M.N	March	

Semester	(Hons /General)	Internal Assessment (Tentative time)	University Examination
I	Hons.	1 st Internal Assessment- 2 nd Week of September, 2021 2 nd Internal Assessment- 2 nd Week of November, 2021	January, 2022 (Tentative)
II	Hons.	1st Internal Assessment- 3rd Week of April, 2021 2nd Internal Assessment- 2nd Week of May, 2021	July, 2022 (Tentative)
III	Hons.	1st Internal Assessment- 2nd Week of September, 2021 2nd Internal Assessment- 2nd Week of November, 2021	January, 2022 (Tentative)
IV	Hons.	1st Internal Assessment- 3rd Week of April, 2021 2nd Internal Assessment- 2nd Week of May, 2021	July, 2022 (Tentative)
V	Hons.	1st Internal Assessment- 2nd Week of September, 2021 2nd Internal Assessment- 2nd Week of November, 2021	January, 2022 (Tentative)
VI	Hons.	1st Internal Assessment- 3rd Week of April, 2021 2nd Internal Assessment- 2nd Week of May, 2021	July, 2022 (Tentative)

DEPARTMENT OF GEOGRAPHY

ACADEMIC CALENDAR 2022- 2023

DEPARTMENT OF HISTORY

ODD SEMESTER

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
1st Semester	Hons.	Hons. Core 1 Module I- V	Hons. Core 1 :- Sources and tools of Ancient Indian historical reconstruction, Pre- historic hunter-gatherers, the advent of food production, Harappan Civilization, Sangam Age etc.	Core 1 – 18 Lectures for each Module;	DR. Sreyasi Ghosh (SG), DR. Madhumita Mondal (MM2), Smt. Ranjana Banerjee (RB) Smt. Maitrayee Mukherjee (MM), Smt. Monjila Khatun (MK) and Smt. Aatreyee Bhattacharyya (AB).	Expected to be completed by November 2022	NIL
		Hons. Core 2 Module I- VI	Core 2 :- Social formations of the Ancient World, Evolution of humankind, Bronze Age Civilizations, Debate on the advent of iron, Greek Society etc.	Core 2 – 15 Lectures for each Module; 1 st Sem			
	General	General (HISGCORO1T/ HISHGECO1T)- Module I - X	1 st Semester General:- Paleolithic, Mesolithic and Neolithic cultures, Harappan Civilization, Vedic period, Mauryan Empire, The age of Shakas and Kushanas etc.	General :- Approx. 09 Lectures for each Module.			

3rd Semester	Hons.	Hons. Core 5 :- Module I- V	Core 5 – Studying Early Medieval India, evolution of political structures, agrarian structures, trade, socio- religious and cultural developments.	Core 5 :- 18 Lectures for each Module;	SAME AS ABOVE	Expected to be completed by November 2022	NIL
		Hons. Core 6 :- I – VI	Core 6 :- Transition from Feudalism to Capitalism, Early colonial expansion, Renaissance, European reformation, emergence of European state System etc.	Core 6 :- 15 Lectures for each Module;			
		Hons. Core 7 :- I – VI	Core 7 :- Sources for studying the Delhi Sultanate, regional political structures, Sultanate society and economy, religion and culture.	Core 7 :- 15 Lectures for each Module.			
	General	General (HISGCORO3T / HISHGECO3T) - Module I – IX	3 rd Semester General:- foundation of the Delhi Sultanate, Provincial kingdoms, consolidation of Mughal State, Emergence of Maratha Power etc.	3 rd Semester General:- 10 Lectures for each Module.			3 rd Semester SEC Project on Museology (Supervised by DR. Madhumita Mondal).
	SEC	SEC1 Course (HISSECO1M) Module I- IV	SEC1 :- Archives and Museums in India				

5th Semester	Hons.	Hons. Core 11 :- Module I – VIII	Core 11:- The French Revolution, Industrialization, Unification of Germany and Italy, the Eastern Question and World War I etc.	Core 11:- Approx. 12 Lectures for each Module,	SAME AS ABOVE	Expected to be completed by November 2022	NIL
		Core 12 :- Module I – V	Core 12 :- The aftermath of 1857, Early phase of Indian Freedom Movement, Gandhian nationalism, Communal politics and Partition of India	Core 12:- 18 Lectures for each Module;			
		HISADSEO1T:- I – V	HISADSEO1T:-Pre- colonial polity, society and culture in South East Asia, economic impact of colonialism, Nationalism in Indonesia etc;	HISADSEO1T:- 18 Lectures for each Module;			
		HISADSEO2T:- I- V	HISADSEO2T:- Nationalism in Indochina, Burma, British Malaya and Decolonization etc.	HISADSEO2T:- 18 Lectures for each Module;			
	General	5th Semester General DSE (HISGDSEO1T):- Module I- VII	5th Semester General DSE:- Feudalism, Renaissance, European Reformation, Beginning of the era of colonization, Industrial Revolution in England etc;	5th Semester General DSE:- Approx. 13 Lectures for each Module;			

	GE	GE1 Course HISGGECO1T:- Module I- IV	GE Course:- History of Indian Journalism:- Colonial and Post Colonial Period.	No student opted for this course in this session.			
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EVEN SEMESTER

2nd Semester	Hons.	Hons. Core 3- Module I – V	Core 3 – Changing political formations- The Mauryan Empire and Post- Mauryan Polities ; Towards Early Medieval India; Art and Architecture from the Mauryan era upto post – Gupta ages.	Core 3 :- 18 Lectures for each Module;	DR. Sreyasi Ghosh (SG), DR. Madhumita Mondal (MM2), Smt. Ranjana Banerjee (RB), Smt. Maitrayee Mukherjee (MM), Smt. Monjila Khatun (MK) and Smt. Aatreyee Bhattacharyya (AB).	Expected to be completed by May 2023	NIL
		Core 4 – Module I – VI	Core 4 :- Ancient Rome, crisis of Feudalism, Religion and culture in Medieval India, Societies in Central Islamic Lands etc.	Core 4 :- 15 Lectures for each Module;			
	General	2nd Semester General (HISGCORO2T/ HISHGECO2T):- Module I – VIII	2 nd Sem General:- Gupta Empire, Harsha and his times, South India- polity , society and culture; Arabs in Sindh, Establishment of Sultanate etc.	2 nd Semester General:- Approx 12 Lectures for each Module of syllabus.			

4th Semester	Hons.	Hons. Core 8 – Module I – VII	Core 8 :- 17 th century European crisis, The English Revolution , rise of modern Science, the American Revolution and prelude to the Industrial Revolution etc.	Core 8 :- 13 Lectures approx. for each Module;	DR. Sreyasi Ghosh (SG), DR. Madhumita Mondal (MM2), Smt. Ranjana Banerjee (RB), Smt. Maitrayee Mukherjee (MM), Smt. Monjila Khatun (MK) and Smt. Aatreyee Bhattacharyya (AB).	Expected to be completed by May 2023	NIL
		Core 9 –Module I – VI	Core 9 :- Establishment and consolidation of the Mughal empire, Mughal art and Regional Politics etc.	Core 9 :- 15 Lectures for each Module;			
		Core 10 – Module I – VI	Core 10 :- Foundations of Company's Rule, rural economy and society, Renaissance, Popular Resistance etc.	Core 10 :- 15 Lectures for each Module;			
	General	4 th Semester General:- Module I- IX	4 th Semester General:- emergence and consolidation of colonial power, 1857 Uprising, colonial economy, socio-religious movements in the 19 th century, Gandhian nationalism, Partition of India and advent of Freedom etc.	4 th Semester General:- 10 Lectures for each Module.			

	SEC	SEC 2 :-Module I – V	SEC 2 :- Harappan art, art under the Delhi Sultanate and the Mughal era, Modern art				4 th Semester SEC Project on theme related to Understanding Indian Art (Supervised by DR. Madhumita Mondal).
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6th Semester	Hons.	Hons. Core 13:- Module I- VI	Core 13:- The Nehru era, Partition and riots, Indian democracy at work, economy, society and culture (1950s- 1970s).	Core 13:- 15 Lectures for each Module;	Same as Above	Expected to be completed by May 2023	NIL
		Core 14- Module I- VI	Core 14:- Trends in World Politics (1919 CE – 2001 CE).	Core 14:- 15 Lectures for each Module;			
		HISADSEO4T:- Module I- VI	HISADSE04T:- History of Modern East Asia I (1839 CE – 1919 CE)	HISADSEO4T:- 15 Lectures for each Module;			
		HISADSEO5T:- Module I-VI	HISADSE05T:- History of Modern East Asia II(1919 CE – 1939 CE) ;.	HISADSEO5T:- 15 Lectures for each Module;			
	General	6th Semester General DSE (HISGDSEO4T)- Module I- VIII	6th Semester General DSE:- The French Revolution, Unification of Germany and Italy , World War I , W.W. II etc	HISGDSEO4T:- Approx. 12 Lectures for each Module;			
	GE	GE2:- Module I- VI	GE2:- Some Perspective s of Women’s Rights in India.	No student opted here.			

Department of JOURNALISM & MASS COMMUNICATION

Academic Calendar

Session: 2022-23

EVEN+ ODD SEMESTER

Semester	Hons /General	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar (if any)
1st SEM	Hons	CC1	UNIT-1: News: Meaning, Definition, Nature; The News Process: From the Event to the Reader (How News is carried from Event to Reader); Hard News vs. Soft News; Dateline Basic Components of a News Story; Attribution, Embargo, Verification, Balance and Fairness, Brevity, Credit line, By line. Revision	4 4 1 4	TR	July to December	YES
1st SEM	HONS	CC2	UNIT-1 Early History of Print Journalism and Indian Press Media and Modernit	2	TR	July to December	

y, Print

			Revoluti on, Telegraph	2		July to December	
			History of the Press in India: Contribu tions of James Augustu s Hickey	2			
			James Silk Bucking ham,	2			
			Seramp ore Baptist Missiona ry Press,	2			
			Raja Ram Mohan Roy,	2			
			H.L.V. Derozio and Young Bengal Moveme nt	2			
			Iswar Chandra Gupta.	2			
			Revision				
1st SEM	GEN	UNI 1	UNIT-1 : News : Meaning, Definition, Nature;	4	TR	July to December	
			The News Process: From the Event to the Reader (How News is carried from Event to reader)	4			
			Hard news vs Soft	1		July to	

			News; Basic Components of a News Story; Attribution, Embargo, Verification, Balance and Fairness, Brevity, Dateline, Credit line, Byline	1 4		December	
3rd SEM	(hons)	CC5	Elements of a Radio News Story Gathering, Writing/Reporting Elements of a Radio News Bulletin Working in a Radio News Room Introduction to Recording and Editing Sound (Editing News Capsule) Revision	2 2 2 2 2/3	TR	July to December	
3rd SEM	(hons)	CC6	Media and Modernity: Print Revolution, Telegraph, Morse Code Yellow Journalism History of the Press in India: Colonial Period, National Freedom Movement: Gandhi and Ambedkar as Journalists and	4 2 2 2 5 5	TR	July to December	YES

			Communicators Revision	2			
3rd SEM	HONS	CC7	Introduction to Public Relations Growth and development of PR Importance, Role and Functions of PR Principles and Tools of Public Relations Organization of Public Relations : In house Department vs. Consultancy PR in Government and Private Sectors Government's Print, Electronic, Publicity, Film and Related Media Organizations Revision	2 2 2 2 4 1 1 5 2	TR	. July to December	
3 RD SEM	GEN	UNIT 4	<ul style="list-style-type: none"> ● 1950s Cinema and the Nation (Guru Dutt, Raj Kapoor, Mehboob Khan) ● The Indian New-Wave – Mrinal Sen, Mani Kaul, Basu Chatterjee ● Globalisation and Indian Cinema, The Multiplex Era Film Culture Revision	8 8 2 2 2 2	TR	July to December	
5 th SEM	HONS	CORE	Media and Cultural	3	TR	July to	

		11	Globalization ☐ Cultural Imperialism, ☐ Cultural politics: media hegemony and Global cultures, homogenization, the English language Local/Global, Local/Hybrid Revision	2 5 2 4		December	
5 th SEM	HONS	CORE 12	Unit I- Public Service Broadcasting Public Service Model in India (Policy and laws) Global Overview of Public Service Broadcasting Community Radio Participatory Communication Campus Radio Revision	2 2 2 2 2 1	TR	July to December	YES
5 th SEM	HONS	DSE2	Unit 2: Trends in Print journalism Investigative journalism/ Sting operations and related case studies Impact of Technology on newspapers and Magazines Ethical debates in print journalism: ownership and	2 5 2 2	TR	July to December	

			control.				
5 th SEM	HONS	DSE3	<p>UNIT I</p> <p>Introduction to Photography</p> <p>A brief History of Photography- Camera Obscura to the daguerreotype process</p> <p>Technical history of photography: Persistence of Vision, Camera Obscura, Muybridge Experiment (Leaping horse).</p> <p>The photographic process (The Silver Halide</p> <p>Photography Process: A brief glimpse into the Dark Room</p> <p>Development of a Photograph</p> <p>Modernization of Photography and its use in Mass Media</p>	4	TR	July to December	
5 th SEM	GEN	UNIT2	<p>Trends in Print journalism: Investigative journalism/ Sting operations and related case studies; Impact of Technology on newspapers and Magazines; Ethical debates in print journalism: ownership and control.</p>	2	TR	July to December	
				5			
				2			
				2			
1 ST SEM	HONS	CC1	<p>UNIT-5 (Practical)</p> <p>Rewriting and Summarizing a Given Piece of News with Headlines and</p>	4	SM	July to December	YES

			Suitable Intro; Creating a Sample Page on Computer with Hard and Soft News; Writing Anchor Story; Writing Article; Assignment Preparing a Presentation on Types and Categories of News.	2 4 2			
1 ST SEM	HONS	CC2	UNIT- 4 History of Visual Media Photography: The Early years of Photography - Camera Obscura, Series Photography, Revolver Photographic/ Chronophotographic Gun, Magic Lantern, Zoopraxiscope, Fusil Photographic; Joseph-Nicephore Niepce and Louis-Jacques-Mande Daguerre, John Herschel, Eadweard Muybridge, Etienne-Jules Mary. Cinema : From Silent Era to the Talkies in India – Dada Saheb Phalke, 'Raja Harishchandra', Hiralal Sen, Baburao Painter, Maharashtra Film Company, M. Ardeshir Irani, 'Alam Ara', First Talkie Films –	4 4 1 4 2 2 2	SM	July to December	YES

			<p>'Jamai Shasthi' (Bengali), 'Bhakta Prahlad' (Telugu) and 'Kalidas' (Tamil) V. Santharam, Franz Osten, 'Achchhyut Kanya'; Damle & Fatehlal, 'Sant Tukaram', Prabhat Bombay Talkies and New Theatres.</p> <p>Television: Arrival of Television and the State's Development Agenda; Commercialization of Programming (1980s); Satellite Television and DTH, Formation of Prasar Bharati</p> <p>Revision</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p>			
1 ST SEM	GEN	UNIT5	<p>Role of Media in a Democracy: Responsibility to Society press and Democracy, Contemporary debates and issues relating to media Ethics in journalism Revision</p>	<p>1</p> <p>2</p> <p>4</p>	SM	<p>Nov</p> <p>Nov</p> <p>Dec</p> <p>Jan & Feb</p>	YES
3 RD SEM	HONS	CC5	<p>Unit 2 - Basics of Visual What is an Image? Electronic Image, Television Image, Digital Image, Edited Image What is a Visual? (Still to Moving), Visual Culture</p>	<p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p>	SM	<p>Sept</p> <p>Sept</p> <p>Oct</p>	YES

			Changing Ecology of Images Today Characteristics of Television as a Mass Medium	2 2		Nov Dec & Jan Jan	
3 RD SEM	HONS	CC6	Unit 4 - Visual Media Photography The early years of Photography Cinema : From Silent Era to the Talkies in India Television: Arrival of Television and the State's Development Agenda; Commercialization of Programming (1980s); Satellite Television and DTH, Formation of Prasar Bharati	2 4 5 2 2	SM	Sept Sept Oct Nov Dec & Jan Jan	YES
3 RD SEM	HONS	CC7	Unit 1 - Introduction to Advertising Meaning and History Advertising Importance and Functions Advertising as a Tool of Communication, Role of Advertising in Marketing Mix, PR Advertising Theories and Models – AIDA Model, DAGMAR Model, Maslow's Hierarchy Model,	4 1 2 3	SM	Dec Jan Sept Sept Oct Nov Nov	YES

			Communication Theories applied to Advertising Types of Advertising and New Trends Economic, Cultural, Psychological and Social Aspects of Advertising Ethical & Regulatory Aspects of Advertising - Apex Bodies in Advertising - AAI, ASCI and Their Codes Revision	2 4 4 2		Nov Nov & Dec Jan	
3 RD SEM	GEN	UNI 3	Alternative Visions ● Third Cinema – Concept, Definition, History, Purpose and Goals; Fernando Solanas and Ocatvio Getino (Argentina), Glauber Rocha (Brazil) and Tomás Gutiérrez Alea (Cuba) ● Documentary Film – Concept, Definition, Approaches- Factual, Instructional, Persuasive, Propaganda ● Auteur - Film Authorship with a Special Focus on Satyajit Ray Revision	2 2 5 2 2 2 2	SM	Sept Sept Oct Nov Nov Dec Dec and Jan	YES
5 TH SEM	HONS	CORE11	Unit II: Media and super power rivalry: ∞ Media during the	2		Sept Sept	YES

			<p>Cold War, Vietnam War, Disintegration of USSR; ⌘ Radio free Europe, Radio Liberty, Voice of America</p> <p>Communication debates: NWICO, McBride Commission and UNESCO</p> <p>Unequal development and Third World concerns: North- South, Rich – Poor Revision</p>	<p>2</p> <p>2</p> <p>2</p> <p>1</p> <p>6</p> <p>4</p> <p>2</p>	<p>SM</p>	<p>Oct</p> <p>Nov</p> <p>Nov & Dec</p> <p>Dec</p> <p>Dec & Jan</p> <p>Jan</p>	
5 TH SEM	HONS	CORE 12	<p>Unit III: Broadcast Genres Why am I the 'Idiot Box'? - Debates, Issues and Concerns of Television Various Evolving Contemporary Television genres: Drama, soap opera, comedy, reality television, children's television, animation, prime time and day time</p>	<p>2</p> <p>4</p> <p>10</p>	<p>SM</p>	<p>Sept</p> <p>Sept & Oct</p> <p>Nov & Dec</p>	YES
5 TH SEM	HONS	DSE02	<p>Unit 3: Production of Newspaper</p> <p>Principles of Layout and Design: Layout and format, Typography, Copy preparation Design process (size, anatomy, grid, design) Handling text</p>	<p>2</p> <p>2</p>		<p>Sept</p> <p>Sept</p> <p>Nov</p>	YES

			matter (headlines, pictures, advertisements) Page make-up (Print and Electronic copy) (Front page, Editorial page and Supplements) Revision	2 2	SM	Nov Dec	
5 TH SEM	HONS	DSE03	UNIT III :Understanding Light and Shadow Natural light and Artificial Light — The Nature of Light- Direct Light, Soft light, Hard light, Directional Light. Brightness, Contrast, Mid tones, Highlights, Shadow and Silhouettes Lighting equipment (Soft boxes, umbrellas, Fresnel, Skimmers, reflectors, etc.) Three Point Lighting Technique and Metering for Light Filters and Use of a Flash Unit Revision	4 4 4 4 2 2	SM	Sept Sept & Oct Nov Nov & Dec Dec Jan Jan	YES
5 TH SEM	GEN	UNIT 3	Unit 3 - Production of Newspaper: Principles of Layout and Design: Layout and format, Typography, Copy preparation Design process (size,	8		. Sept to Nov	YES

			<p>anatomy, grid, design); Handling text matter (headlines, pictures, advertisements); Page make-up (Print and Electronic copy): Front page, Editorial page and Supplements.</p> <p>Unit 5 - Advanced Newspaper and Magazine Editing: Classification of Newspapers and Magazines; Current trends in Newspapers and Magazines with respect to content Photographs and Cartoons in Newspapers and Magazines.</p>	10	SM	Nov to Jan	
1 ST SEM	HONS	CC1	<p>UNIT-4 (Practical)</p> <p>Basic Knowledge of Computer for Print Journalism;</p> <p>Handling Page Making Software and Photo Editing Software;</p> <p>Writing a News Report from Given Points;</p> <p>Writing Headlines from News Stories;</p> <p>Writing Intro;</p> <p>Language of News.</p>		UB		
1 ST SEM	HONS	CC2	<p>UNIT-2: Emergence of Nationalist Press in India</p> <p>Contribution of Harish Chandra Mukherjee, Movement against</p>	3		Nov	

			Vernacular Press Act, Sisir Kumar Ghosh, Amrita Bazar Patrika, Sandhya, Jugantar, Contribution of Bal Gangadhar Tilak, Mahatma Gandhi and B. R. Ambedkar in Indian Journalism Revision	2 3 2 2 2 5 2	UB	Dec Dec to Jan Jan & Feb Feb	
3 RD SEM	HONS	CC5	Unit 5 - Broadcast News Critical Issues and Debates Public Service Broadcasters – AIR and DD News - Voice of India? (Analysis of News on National Broadcasters) ● Changing Character of Television News; 24 Hrs. News Format Prepare a TV News Script (5 Min.) and a Radio News Script (5 Min.	4 4 5 4 2 5	UB	Sept Sept Oct Nov Nov & Dec	
3 RD SEM	HONS	CC6	Unit 3 - Sound Media Early History of Radio in India History of AIR Evolution of AIR Programming Penetration of	2 2 2	UB	Sept Sept Sept & Oct	

			Radio in Rural India - Case studies Patterns of State Control Demand for Autonomy FM Radio Privatization Music Cassettes to the Internet Revision	4 5 2 2 3 2		Nov Nov & Dec Jan	
3 RD SEM	HONS	CC7	Unit 2 Advertising through Print, Electronic and Online Media Types of Media for Advertising Advertising Objectives, Segmentation, Positioning and Targeting Media Selection, Planning, Scheduling Marketing Strategy and Research and Branding Advertising Department vs. Agency - Structure and Functions Advertising Budget Campaign Planning, Creation and Production Revision	2 2 2 2 2 2 2 2 2 1 2 2	UB	Sept Sept Oct Nov Nov Nov Nov & Dec Dec Dec	
5 TH SEM	HONS	CC11	Unit III: Global Conflict and Global Media World Wars and Media Coverage post 1990: Rise of Al Jazeera The Gulf Wars:	4 2	UB	Sept Sept Oct Nov	

			CNN 's satellite transmission, embedded Journalism 9/11 and implications for the media Revision	5 2		Nov &Dec Dec Dec	
5 TH SEM	HONS	CC12	Unit II-Private Broadcasting Private Broadcasting Model in India; Policy and Laws: Structure, Functions and Working of a Broadcast Channel Public and Private partnership in television and Radio programming (Indian case studies) Revision	3 3 4	UB	Sept Sept Oct Nov &Dec Dec Dec	YES
5 TH SEM	HONS	DSE02	Unit 5: Advanced Newspaper and Magazine Editing Classification of Newspapers and Magazines Current trends in Newspapers and Magazines with respect to content Photographs and Cartoons in Newspapers and Magazines Revision	2 2 5	UB	Sept Sept Oct Nov &Dec Dec Dec	
5 TH SEM	HONS	DSE03	UNIT V Photojournalism –Brief History – Global & Indian	2	UB	Sept Sept	

			Application & Ethics and Law in Digital Imaging (Ethicality while photographing a subject/issue & editing the image – issue of unethical morphing etc., Copyright Law etc.) → Approaches to documenting reality- (Discussion on Capa’s “The Falling Soldier” Objective Truth or Staged Representation) → War Photojournalism → Personalities: Mathew Brady, Robert Capa ,Nocolai Surovtsev, Raghu Rai, Goutam Rajadhyaksha Revision	2 2 4 2 5		Oct Nov Nov Nov & Dec Dec Dec	
1 ST SEM	GEN	UNIT-4	Unit 4 – Different mediums – a comparison: Language and principles of writing Basic differences between the print, electronic and online journalism. Citizen journalism Revision	2 2 2 2	UB	Nov Nov Dec Dec & Jan	
3 RD SEM	GEN	UNIT 2	Unit II - Film Form and Style ● German Expressionism (Robert Wiene and F. W. Murnau) and Film Noir (Billy Wilder and John Huston) ● Italian Neorealism –	2 2 4	UB	Sept Sept Oct	

			Perspective; Yellow Journalism, Penny Press, Tabloid press; Language of News- Robert Gunning : Principles of Clear Writing; Rudolf Flesch : Formula Skills to write News. Revision	2 2 2 2 3 3 2		Nov Nov Nov & Dec Dec Dec & Jan Jan	
1 ST SEM	GEN	UNIT 3	History of Sound Media Early History of Radio in India; History of AIR : Evolution of AIR Programming, Penetration of Radio in Rural India - Case studies; Patterns of State Control; Demand for Autonomy; FM : Radio Privatization; Music : Cassettes to the Internet	2 2 2 2 3 1 2	DM	Nov Nov Nov & Dec Dec Dec & Jan Jan Jan	
3 RD SEM	HONS	CC5	UNIT 1 Basics of Sound : ● Types of Sound - Sync, Non- Sync, Natural, Ambience ● Sound Design - Its Meaning with examples from different Forms ● Sound Recording Techniques ● Introduction to Microphones ● Characteristics of Radio as a Mass Medium	2 2 2 2 3 1 2	DM	Sept Sept Oct Nov Nov Nov & Dec Dec	YES

			Revision			Dec	
3 RD SEM	HONS	CC6	Unit 2 - Media in the Post Independence Era ● Emergency and Post Emergency Era ● Changing Readership, Print Culture, Language Press	5 6 5	DM	Sept Oct Nov & Dec Dec	YES
			Revision	2		Dec	
3 RD SEM	HONS	CC7	Unit 4 – PR - Publics and Campaigns ● Research for PR ● Managing Promotions and Functions ● PR Campaign - Planning, Execution, Evaluation ● Role of PR in Crisis Management ● Ethical Issues in PR - Apex Bodies in PR - IPRA Code – PRSI and Its Codes Unit 5 – Social Media Marketing ● Social Media Technologies and Management ● Integrated Marketing Communication, Developing Social Networks ● Social Media Strategies, Tactics and Ethics ● Social Media Tools ● Measurement	2 2 3 2 2 4 2 2 2 4 2	DM	Sept Sept Oct Nov Nov Nov & Dec Dec Dec	YES

			<p>Normal Lens, Zoom Lens), Editing (What is Editing?; The Film Editor and His/Her Responsibilities, Spatial Relationships between Shots, Temporal Relationships between Shots, Rhythm; Major Approaches to Editing : Continuity and Discontinuity Conventions of Continuity Editing- Master Shot, Screen Direction; Editing Techniques that maintain Continuity Shot/Reverse Shot, Match Cut, Parallel Editing, Point-of-View Editing; Other Transitions between Shots- Jump Cut Fade, Dissolve, Wipe, Iris Shot, Freeze-Frame, Split Screen), Montage (Concept, Goals, Types) • Language of Cinema II – Focus on Sound : What is Sound? Sound Production- Design, Recording, Editing, Mixing; Describing Film Sound- Pitch, Loudness, Quality, Fidelity; Sources of Film Sound- Diegetic vs. Nondiegetic, Onscreen vs. Offscreen, Internal</p>				
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			vs. External; Types of Film Sound- Vocal Sound, Environmental Sound, Music, Silence ; Functions of Film Sound- Audience Awareness, Audience Expectations, Expression of Point of View, Rhythm, Characterization, Continuity, Emphasis				
5 TH SEM	HONS	CC11	Unit 1: Media and international communication: The advent of popular media- a brief overview Propaganda in the inter-war years: Nazi Propaganda, Radio and international communication Revision	5 5 4 2	DM	Sept Oct & Nov Dec Dec	YES
5 TH SEM	HONS	CC12	Unit IV - Advanced Broadcast Production (Radio) Writing and Producing for Radio Public Service Advertisements Jingles Radio Magazine shows Revision	2 2 1 2	DM	. Sept Oct Nov Dec Dec	YES
5 TH SEM	HONS	DSE 02	Unit 1: Specialized Reporting • Business/economic		DM		

			/ Financial • Parliamentary • Political UNIT: 3 Front page, Editorial page and Supplements)	5 2 1 2		Sept Oct Nov Dec Dec	
5 TH SEM	HONS	DSE 03	UNIT IV: Digital Photography and Editing Sensor Sizes , Formats and Storage Introduction to Editing and Digital Manipulation Brightness, Contrast, Mid tones, Highlights, Colour tones Basics of Photoshop, Photo editing software: (Microsoft Office Picture Manager, CorelDraw, Adobe Photoshop Elements, Photoshop CC (Creative Cloud) A brief glimpse into the Dark Room Development of a Photograph	10 10 5	DM	Sept & Oct Nov & Dec Dec & Jan	
5 TH SEM	GEN	UNIT 1	Unit 1: Specialized Reporting • Business/economic / Financial • Parliamentary • Political UNIT: 3 Front page, Editorial page and Supplements.	5 2 1 2	DM	Sept Oct Nov Dec Dec	
2 ND SEM	HONS	CC3	Interviewing: Research, planning, framing questions, writing the piece;	2 2 2 2	DM	Feb	YES

			<p>News Leads / intros, Structure of the News</p> <p>Story–Inverted Pyramid style;</p> <p>Lead: importance, types of lead; body of the story;</p> <p>attribution, verification;</p> <p>Features: Meaning, types of features, leads for features, difference between news, columns and features;</p> <p>Advertorials.</p> <p>Columns: meaning, importance, types , Columnists; Trends in sectional news: Weekend pull-outs, Supplements, Backgrounders.</p>	<p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>3</p>		<p>March to April</p> <p>April to May</p> <p>May to July</p>	
2 ND SEM	HONS	CC4	<p>Unit 4- Normative theories of press; McQuail's four theories of mass communication: Social scientific theory, Normative theory, Operational theory, Everyday or Common-sense theory;</p> <p>Mass Society Theory;</p> <p>Individual Difference Theory, Personal Influence Theory.</p> <p>Four Models of communication: Transmission Model, Ritual or Expressive, Publicity model, Reception model</p> <p>Revision</p>	<p>4</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>5</p>	DM	<p>Feb</p> <p>March to April</p> <p>April to May</p> <p>May to Jun</p>	

2 ND SEM	GEN	Unit 2 Unit 5	Equipment of Photography:			Jul	
			Cameras (Pin-hole, SLR, TLR, Range finder Camera, View camera, Polaroid camera, Super wide-angle camera, Panoramic Camera, Aerial camera and DSLR)	5		Feb	
			• Lenses (types and their perspective/angle of view) • Tripods, • Monopods, • Camera bags	2		March to April	
			Editing: • Photo editing software: Microsoft Office Picture manager, CorelDraw, Adobe Photoshop Elements, • Correcting imperfect images: Picture orientation, Cropping, Levels, Altering brightness and contrast, Red eye.	2	DM	April to May	
			Revision	12		May to July	
4 TH SEM	HONS	UNIT 1	Key Concepts and Theory Defining new media, terminologies and their meanings – Digital media, new media, online media; Information society and new media,	8	DM	Feb to March	YES
				6		March to	

			Technological Determinism, Computer mediated Communication (CMC), Revision	2 2		April April to May June	
4 TH SEM	HONS	CC9 UNIT 3	Unit 5 - Rural Journalism Information needs in rural areas; Use of traditional media for development in rural areas; Rural newspapers; Critical appraisal of mainstream media 's reportage on rural problems and issues; Role of development agencies and NGOs in development communication; Revision	2 2 4 3	DM	Feb March to April April to May May to Jun	
4 TH SEM	HONS	CC10	Unit 4- Media and Regulation Regulatory bodies, Codes and Ethical Guidelines Self-Regulation Media Content- Debates on morality and Accountability: Taste, Culture and Taboo Censorship and media debates Revision	2 2 5 2 2 2	DM	Feb March to April April to May Jun	
4 TH SEM	HONS	SEC	VIDEO PRODUCTION	10	DM	FEB- JULY	YES

4 TH SEM	GEN	UNIT 3	Documentary Production: Pre-Production •Researching the Documentary, Research: Library, Archives, location, life stories, ethnography. Writing a concept: telling a story. •Writing a Treatment, Proposal and Budgeting •Structure and scripting the documentary Revision	2 5 2 2 1 2	DM	Feb March to April April to May May to Jun Jul	YES
6 TH SEM	HONS	CC13	UNIT 4: Participatory culture Convergence Culture social media and participatory media culture, digital fandom and online communities, Identity, Gender and new media-digital media and identities, new media campaigns. Revision	2 2 2 2 4 2 2	DM	Feb March to April April to May May to Jun Jul	
6 TH SEM	HONS	CC14	Unit V - Ethnographies and other Methods Readership and Audience Surveys, textual analysis, discourse analysis, Ethical perspectives of mass media research Revision	5 5 2 2	DM	Feb to Mar April to May June	

						June	
6 TH SEM	HONS	DSE04	Unit 4- Media and Human Rights Human Rights Theoretical perspectives, Critique Universal Declaration of Human Rights Human Rights and Media (Case Studies) Revision	5 4 5	DM	Feb to March April to May June Jun	
6 TH SEM	HONS	DSE06	Unit-4 Language of Cinema Visual Language- Basic Camera Shots-Angles- Sequence-Scene- Mise-en-Scene- Editing- Montage, Dubbing, Light, Sound Effect, Music, Colour Direction, Film Production- Pre-Production- Production- Post-Production. Revision	4 6 2 2 2	DM	Feb March to April April to May May to Jun Jul	YES
6 TH SEM	GEN	UNIT 4	UNIT IV: Digital Photography and Editing > Sensor Sizes,	2	DM	Feb	

			Formats and Storage >	5		March to April	
			Introduction to Editing and Digital Manipulation >	2		April to May	
			Brightness, Contrast, Mid tones, Highlights, Colour tones >	2			
			Basics of Photoshop >	1		May to Jun	
			Photo editing software : (Microsoft Office Picture Manager, CorelDraw, Adobe Photoshop Elements,	5			
			Revision	2		Jul	
2 ND SEM	HONS	CC3	Unit 1 – Role, functions, and qualities: Reporters, Chief Reporter, News Coordinator, Photo Journalists, Chief of News Bureau, Correspondents (Special, District, Foreign), Freelancers, Stringers; General assignment reporting/ working on a beat; news agency reporting. Covering Press Conferences; Covering of beats - crime, courts, city reporting, local reporting, hospitals, health, education, sports; Review- Book review, Film review, Review of television programmes ;	2	TR	Feb	CC3
				2		March to April	
				1			
				1		April to May	
				4			
				5		May to Jun	
				6			

			Cartoon Revision	2		Jul	
2 ND SEM	HONS	CC4	Unit 2 – Communication- Meaning – Definition – Nature – Scope –Purpose- Process of communication; Forms of Communication: Oral & Written, Verbal and Non – Verbal, paralanguage, iconic, semiotic etc.; Levels of Communication: Intrapersonal – Interpersonal - Group – Public- Mass Communication. Differences between levels of Communication; Mass Communication and its Process; Functions of communication and mass communication (surveillance, correlation, transmission, entertainment, validation, mobilization) Revision	2 2 1 1 4 5 6 2		Feb March to April April to May May to Jun Jul	
2 ND SEM	GEN	UNIT 1	History of Photography: •Definition and	4	TR	Feb	YES

			<p>origin of Photography,</p> <ul style="list-style-type: none"> • The birth of Camera and its evolution, • Modernization of Photography and its use in Mass Media, <p>Assignment on practical photography</p>	4		March to April	
				3		April to May	
						May to July	
4 TH SEM	HONS	CC8	<p>Unit 2: Understanding Virtual Cultures Digital Journalism Internet and its Beginnings, Remediation and New Media technologies, Online Communities, User Generated Content and Web 2.0, Networked Journalism, Alternative Journalism; Social Media in Context Revision</p>	2		Feb	YES
				2			
				1			
				5		March to April	
					TR		
				6		April to May	
				2			
				2		May to Jul	
4 TH SEM	HONS	CC9	<p>UNIT 2: Development communication: Concept and approaches • Paradigms of development: Dominant paradigm, dependency, alternative paradigm; Dev comm.</p>	2	TR	Feb	
				4			
				5		March to April	

			models – diffusion of innovation, empathy, magic multiplier; Alternative Dev comm. approaches: Sustainable Development, Participatory Development, Inclusive Development, Gender and development; • Development support comm. – definition, genesis, area woods triangle	4 2 2 2 1 1 2		April to May May to July	
4 TH SEM	HONS	CC10	Unit 3- Representation and ethics • Advertisement and Women • Pornography • Related Laws and case studies- Indecent representation of Women (Prohibition) Act, 1986 and rules 1987, Protection of Women against Sexual Harassment Bill 2007 and Act 2013, Sec 67 of IT Act 2000 and 292 IPC Unit-1 : Ethical Framework And Media practice • Freedom of Expression (Article 19(1)(a) and Article 19(1)2) • Freedom	2 4 5 4 2 2 2 1 1	TR	Feb March to April April to May May to July	YES

			of Expression and Defamation- Libel and slander • Issues of privacy and Surveillance in Society • Right to Information • Idea of Fair Trial/Trial by Media	5		May to July	
4 TH SEM	GEN	UNIT 1	Unit 1 - Understanding the Documentary: • Introduction to the debate on realism, • Six Modes of Documentary Representation: Participatory, Expository, Observational, Performative, Reflexive, and Poetic. • Ethical Debates in the Documentary Encounter, • Defining the Subject / Social Actor / Participant. • Voice in the Documentary: Problematic of 'Voice of God' Narrator & Different Posturing of the Narration, Participant, Filmmaker & Audience	4 4 2 2 2 2 2	TR	Feb March to April April to May May to July	
6 TH SEM	HONS	CC13	UNIT 1: Basics of New Media Frameworks – Genres and Environments •		TR	Feb	YES

			Understanding New Media Ecologies, • Genres – Digital art, Digital Cinema – New Media Fiction and Documentary , • Gaming and Player Culture, Virality and Memes, et al.; • guerrilla media; Revision	5 10 2 2		March to May June June	
6 TH SEM	HONS	CC14	Unit 1 – Introduction to Research Definition, Role, Function, Basic and Applied Research, Scientific Approach, Role of theory in research, Steps of Research (Research question, Hypothesis, Review of Literature) Revision	8 2 4	TR	Feb to April April to May May to July	
6 TH SEM	HONS	DSE04	Unit 1- Media and the social world • Media impact on individual and society • Democratic Polity and mass media • Rural-Urban Divide in India: grass-roots media	2 5 4	TR	Feb March April	
6 TH SEM	HONS	DSE06	Unit-3 Hindi Film Early Cinema and the Studio Era, 1950s – Bimal Roy, Guru Dutt,	4 2 2	TR	Feb March to	

			Raj Kapoor, Mehboob Khan, V. Shantaram, A Short Overview of Indian New Wave- Satyajit Ray, Ritwik Ghatak, Mrinal Sen, Shyam Benegal, Aparna Sen, Mira Nair, Adoor Gopalkrishnan, N.F.D.C., Films Division, C.B.F.C	2 2 2 2 2 2 2 2 2 2 3		April April to May May to July	
6 TH SEM	GEN	UNIT 1	UNIT I: Introduction to Photography ➤ A brief History of Photography- Camera Obscura to the daguerreotype process ➤ Technical history of photography: Persistence of Vision, Camera Obscura, Muybridge Experiment (Leaping horse). ➤ Modernization of Photography and its use in Mass Media Revision	5 5 4	TR	Feb to March March to April April to May May to July	
2 ND SEM	HONS	CC3	Unit 3- The Newspaper Newsroom: Organizational	5	UB		

			<p>setup of a newspaper, Editorial department;</p> <p>Introduction to editing: Principles of editing; Headlines: types, importance, functions; importance of news pictures, selection of news pictures;</p> <p>Duties and responsibilities of Editor, News editor, Sub /Copy editor; Editorial page: structure, purpose, edits, middles, letters to the editor, special articles, Opinion pieces, op. Ed page</p>	<p>8</p> <p>12</p>		<p>Feb To March</p> <p>March to April</p> <p>April to May</p> <p>May to July</p>	
2 ND SEM	HONS	CC4	<p>Unit 3- Basic Models of Communication: Aristotle's Model, Harold D Lasswell's Model</p> <p>David Berlo's SMCR model, Shannon & Weaver's Mathematical model of communication, Schramm-Osgood's Interactive model of communication,</p> <p>Newcomb's Systematic model of communication, Westley-McLean's Mass Communication model,</p>	<p>4</p> <p>10</p> <p>12</p>	UB	<p>Feb</p> <p>March to May</p> <p>May to July</p>	

			Roman Jakobson's communication model; Differences between Linear and Non – Linear Models;				
4 TH SEM	HONS	CC8	Unit 3: Digitization of Journalism Authorship and what it means in a digital age, Piracy Copyright, Copyleft and Open Source, Digital archives, New Media and Ethics	5 1 2 2 2 2	UB	Feb March to April April to May	YES
4 TH SEM	HONS	CC9	UNIT 4 Practising development communication ● Strategies for designing messages for print ● Community radio and dev ● Television programmes for rural India (Krishi Darshan) ● Using new media technologies for development. ● Development Journalism and rural reporting in India UNIT 3 ● Cyber media and dev – e-governance, e-chaupal, national knowledge network, ICT for dev narrow casting;	5 1 2 2 2 2 2 6	UB	Feb March to April April to May May to July	

4 TH SEM	HONS	CC10	Unit- 2: Media Technology and Ethical Parameters	5	UB	Feb	
			Live reporting and ethics	2		March to April	
			• Legality and Ethicality of Sting Operations, Phone Tapping etc	2			
			• Ethical issues in social media (IT Act 2000, Sec 66 A and the verdict of The supreme court)	4		April to May	
			• Some Related laws- Relevant sections of Broadcast Bill, NBA guidelines	5		May to July	
4 TH SEM	GEN	UNIT 4	Unit 4 - Documentary Production Post-Production. Grammar of editing, •	4	UB	Feb	
			Transitions: Scenic Realism & Sound Effects and Visual Effects, • Aspect Ratio, Language, Duration and marketing of DVD and issues of piracy.	6		March to April	
			Distribution and Exhibition Spaces (Traditional and Online).	4		April to July	
6 TH SEM	HONS	CC13	UNIT 3: Critical New Media	5	UB	Feb	YES
			• Who controls New Media, Questions surrounding net neutrality and related issues, • Surveillance and the state,			5	

			<ul style="list-style-type: none"> • Cybersecurity and issues of privacy, • the Internet and public sphere - politics and public sphere in the digital age. 	5		April to May	
			Revision			May to July	
6 TH SEM	HONS	CC14	Unit 4- Methods of analysis and report writing Data Analysis Techniques; Coding and Tabulation, Non-Statistical Methods (Descriptive and Historical), Working with Archives; Library Research; Working with Internet as a source;	4	UB	Feb	
				4		March to April	
				6			
			Writing Citations, Bibliography; Writing the research report	4		April to May	
						May to June	
6 TH SEM	HONS	DSE04	Unit-3 -Media • Power and Contestation Public Sphere and its critique	4	UB	Feb	
			• Public sphere of the disempowered? • Media and Social Difference: class, gender, race etc. • Genres – Romance, Television, Soap Opera, Sports0	2		March to April	
				2		April to May	
				5		May to July	

6 TH SEM	HONS	DSE06	Unit-2 Film Form, Style and Movement - 1919–1931: German Expressionism, 1924–1930: The Soviet Montage Movement, 1927–1947: Classical Hollywood Style in Hollywood’s Golden Age, 1942–1951: Italian Neorealism, 1959–1964: French New Wave, Film Noir, Third Cinema and Non Fiction Cinema, Cahier du Cinema Group,	4 3 3 2 2 5	UB	Feb March to April April to May May to July	
6 TH SEM	GEN	UNIT 5	UNIT V : Photojournalism > Brief History – Global & Indian > Application & Ethics and Law in Digital Imaging (Ethicality while photographing a subject/issue & editing the image – issue of unethical morphing etc., Copyright Law etc.) > Approaches to documenting reality- (Discussion on Capa’s “The Falling Soldier” Objective Truth or Staged Representation) > War Photojournalism > Personalities: Mathew Brady, Robert Capa	2 2 3 2 3 1 5	UB	Feb March to April April to May May to July	YES

			,Nicolai Surovtsev, Raghu Rai, Goutam Rajadhyaksha				
2 ND SEM	HONS	UNIT 5	Unit-4- Sociology of news: factors affecting news treatment, paid news, agenda setting, trial by media, gatekeepers. Objectivity and politics of news; Neutrality and bias in news. Role of Media in a Democracy; Responsibility to Society; Press and Democracy; Understanding new media: e-mail, social media; Ethics in journalism; Contemporary debates and issues relating to media Ethics in journalism	10 8 5 10	SM	Feb March to April April to May May to July	YES
2 ND SEM	HONS	CC4	Unit 3- Basic Models of Communication: Aristotle's Model, Harold D Lasswell's Model, David Berlo's SMCR model, Shannon & Weaver's Mathematical model of communication, Schramm-Osgood's Interactive model of communication, Newcomb's Systematic model of communication, Westley-McLean's	3 6 4	SM	Feb March to April April to May	YES

			<p>Mass Communication model,</p> <p>Roman Jakobson's communication model; Differences between Linear and Non – Linear Models; Revision</p>	4		May to July	
2 ND SEM	GEN	Unit 3	<p>Lighting: • The different types of lighting - Natural lighting and Artificial Lighting,</p> <p>• Lighting for outdoor and indoor photography, • recommended equipment for outdoor lighting,</p> <p>• Camera angle and movement</p> <p>Revision</p>	4	SM	Feb	YES
				4		March to April	
				2		April	
						May to July	
4 TH SEM	HONS	CC8	<p>Unit 5: Visual and Content Design Website planning and visual design,</p> <p>Content strategy and Audience Analysis, Brief history of Blogging, Creating and Promoting a Blog.</p> <p>Different Assignment on Blog and revision</p>	4	SM	Feb	YES
				5		March to April	
						April to July	
4 TH SEM	HONS	CC9	UNIT 1: Development:		SM		YES

			<p>Concept, concerns,</p> <p>Paradigms</p> <ul style="list-style-type: none"> ● Concept of development, ● Models of development; ● Basic needs model: Nehruvian model, Gandhian model, Panchayati raj; ● Developing countries versus developed countries, <p>UN millennium dev goal</p> <p>Revision</p>	8		Feb	
				10		March to April	
				5		April to May	
				2		May to July	
4 TH SEM	HONS	CC10	<p>Unit 5- Media and Social Responsibility</p> <ul style="list-style-type: none"> ● Economic Pressures ● Media reportage of marginalized sections- children, Dalits, tribals, Gender ● Media coverage of violence and related laws - inflammatory writing (IPC 353), Sedition incitement to violence, hate Speech. 	2		Feb	YES
				1		March to April	
				6		April to May	
				12	SM	May to July	
4 TH SEM	GEN	UNIT 3	<p>Unit 3 - Documentary Production:</p> <ul style="list-style-type: none"> ● Production ● Documentary Sound; ● Documentary Cinematography – a responsive filmic encounter. ● Location Research, 	2	SM	Feb	YES
				2			
				3		March to April	
				2			

			<ul style="list-style-type: none"> Technologies and Techniques, Shooting Schedule, Shot Breakdown & Call list, Production Team, Meetings, Checklist, Revision 	1		April to May	
				2			
				2		May to July	
6 TH SEM	HONS	CC13	<p>UNIT 2: Sociology of the Internet and New Media</p> <ul style="list-style-type: none"> Social Construction of Technology, Digital inequalities – Digital Divide and Access, Economy of New Media - Intellectual value; digital media ethics, new media and popular culture. <p>Revision</p>	5	SM	Feb	YES
				3		March to April	
				10		April to Jun	
6 TH	HONS	CC14	<p>Unit 2 – Methods of Media Research</p> <p>Qualitative-Quantitative Technique, Content Analysis, Survey Method, Observation Methods, Experimental Studies, Case Studies,</p> <p>Narrative Analysis, Historical research; Revision and projects on research methodology</p>	10	SM	Feb	YES
				8		March to May	
				10		Jun	

6 TH	HONS	DSE04	<p>Unit 2- Gender • Conceptual Frameworks in Gender studies</p> <p>• History of Media and Gender debates in India (Case studies)</p> <p>• Media and Gender - Theoretical concerns. • Media and Masculinity</p> <p>Assignment and revision classes</p>	4	SM	Feb	YES
				5		March to April	
				8		April to May	
						May to July	
6 TH	HONS	DSE06	<p>Unit-1</p> <p>Film as a Medium of Mass Communication</p> <p>The First Movies, 1908- 1927: Origins of the Classical Hollywood Style - The Silent Period,</p> <p>History of Indian Motion Pictures.</p>	4	SM	Feb	YES
				8		March to May	
				2		June	
6 TH	GEN	UNIT2	<p>UNIT II: Understanding the mechanisms of Photography</p> <p>➤ Types of photographic cameras and their structure (Pin-hole,</p>	2	SM	Feb	YES
				5	March to April		

			SLR, TLR, D-SLR) > Lenses (types and their perspective/angle of view)				
			> Aperture (f-stop & T-stop) > Shutters (Focal plane & Lens shutter) > Light meters (Incident, reflected & through Lens:	5		April to May	
			Average, Centre weighted, Spot & Metrics) and Focus and Depth of Field	4		jun	

Semester	(Hons /General)	Internal Assessment (Tentative time)	University Examination
1 ST SEM	HONS	JANUARY 2022	MARCH 2022
1 ST SEM	GEN	JANUARY 2022	MARCH 2022
3 RD SEM	HONS	NOVEMBER 2021	JANUARY 2022
3 RD SEM	GEN	NOVEMBER 2021	JANUARY 2022
5 TH SEM	HONS	NOVEMBER 2021	JANUARY 2022
5 TH SEM	GEN	NOVEMBER 2021	JANUARY 2022
2 ND SEM	HONS	MAY 2022	JULY (TENTATIVE)
2 ND SEM	GEN	MAY 2022	JULY (TENTATIVE)
4 TH SEM	HONS	MAY 2022	JUNE (TENTATIVE)
4 TH SEM	GEN	MAY 2022	JUNE (TENTATIVE)
6 TH SEM	HONS	MAY 2022	JUNE (TENTATIVE)
6 TH SEM	GEN	MAY 2022	JUNE (TENTATIVE)

HIRALAL MAZUMDAR MEMORIAL COLLEGE FOR WOMEN

Department of Philosophy

Academic Calendar

Session: 2022-2023 (Odd Semester)

Semester	(Hons/ General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution		
1st SEMESTER	GEN	PHIHGEC01T (LOGIC)	A. Basic concepts	5	SS	October		
			B. Distribution of Terms	15	SG	November		
			C. Categorical Syllogism	25	SG	December		
			D. Symbolic Logic	15	SP	October		
			E. Truth Table	5	SP	December		
			F. Inductive Logic	10	SS	December		
3rd SEMESTER	GEN	PHIHGEC03T (INDIAN EPISTEMOLOGY AND METAPHYSICS)	A. i) Carvaka Epistemology	10	US	End of November		
			ii) Carvaka Metaphysics					
			B. Nyaya Epistemology	20	SP	Within December		
			C. Vaisesika Metaphysics	25	SP	End of November		
5th SEMESTER	GEN	PHIGDSE01T (APPLIED ETHICS)	A. Nature of Applied Ethics	5	SP	September		
			B. Nature of Rights	10	SS	October		
			C. Suicide	20	SS	Within December		
			D. Euthanasia	20	SS	Within November		
			E. Environmental Ethics	20	SP	December		
5th SEMESTER	GEN	PHIGGEC01T (THE PHILOSOPHY OF SELF DEVELOPMENT)	A. Buddhism	15	SS	September		
			B. Yoga	15	SS	October		
			C. Vedanta	20	SS	November		
			D. Vivekananda	15	SS	End of November		
			E. Gandhi	10	SS	December		
3rd SEMESTER	HONS	PHIACOR05T (HISTORY OF WESTERN PHILOSOPHY)	A. Empiricism: Locke, Berkeley, Hume.	50	SP	December		
			B. Kant	25	SG	November		
		PHIACOR06T (OUTLINES OF INDIAN PHILOSOPHY)	A. Sankhya System	20	SS	September		
			B. Yoga System	15	SS	October		
			C. Mimamsa System	10	SS	November		
			D. Advita Vedanta Philosophy of Sankara	20	SS	December		
			E. Ramanuja	10	SS	End of December		
		3rd SEMESTER	HONS	PHIACOR07T (WESTERN ETHICS)	A. Introduction to Ethics	8	SP	September
					B. Different Types of Ethical theories	30	US	October
i) Deontologism	12				US	November		
ii) Teleologism	20				US	December		

			C. Theories of Punishment	5	US	End of December
3rd SEMESTER	SEC	PHISSEC01T (MEDIA ETHICS)	Media Ethics	10	SP	December
5th SEMESTER	HONS	PHIACOR11T (PHILOSOPHY OF LANGUAGE- INDIAN AND WESTERN)	A. Indian Philosophy of Language	35	SP	December
			B. Western Philosophy of Language			
			i) Hospers---	20	SP	November
			ii) P. Alstone	20	SG	November
		PHIACOR12T (ETHICAL AND SOCIAL PHILOSOPHY OF INDIA)	A. Introduction	6	SS	September
			B. Basic Concepts with social significance in BhagavatGita	16	SS	October
			C. Purusartha	6	SS	November
			D. Sukhavada	20	SS	November
			E. Dharma	10	SS	December
			F. Karma	15	SS	December
		5th SEMESTER		PHIADSE02T (PRACTICAL ETHICS)	A. Killing (animals, Suicide, Euthanasia)	40
B. Human Rights	5				SG	October
C. War, Violence and Terrorism	20				SG	November
D. Concept of Environmental Ethics	5				SG	September
E. Feminist Ethics	5				SG	October
5th SEMESTER	HONS	PHIADSE03T (PHILOSOPHY OF RELIGION)	A. Introduction (Scope and nature of Religion; Relation between- Philosophy of Religion and Theology)	10	US	September
			B. Difference between: - Spirituality and Religiosity; Sacred and Profane; Magic and Religion	10	US	September
			C. Problem of Evil [Hospers]	5	US	October
			D. Proofs for the existence of God	20	US	November
			E. Grounds for disbelief in God	10	US	November
			F. Some Major Religions: Hinduism, Buddhism, Christianity, Islam	20	US	December

HIRALAL MAZUMDAR MEMORIAL COLLEGE FOR WOMEN

Department of Philosophy

Academic Calendar

Session: 2022-2023 (Even Semester)

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution
2nd SEMESTER	GEN	PHIGCOR02T (WESTERN EPISTEMOLOGY AND METAPHYSICS)	A. Theories of the origin of knowledge	15	SS	1 st week of February
			B. Realism and Idealism as theories of Reality	12	SS	Within March
			C. Idealism: Subjective Idealism	5	SS	End of March
			D. Substance	15	SG	April
			E. Causality	14	SG	End of May
			F. Mind –body Problem	14	SG	June
4th SEMESTER	GEN	PHIHGEC04T (ETHICS- INDIAN AND WESTERN)	A. Introduction: Indian Ethics & Western Ethics	4	US	1 st week of February
			B. Purusarthas	4	US	1 st week of March
			C. Karma	8	US	April
			D. Carvaka Ethics	4	US	May
			E. Buddhist Ethics	5	US	June
			F. Jaina Ethics	5	US	End of June
			G. Moral and Non- moral actions	5	SP	1 st week of February
			H. Standards of Morality	20	SP	April
			I. Deontological Ethics-Kant	15	SP	June
			J. Theories of Punishment	5	SP	March
4 th SEMESTER	HONS	PHIACOR08T (SOCIAL AND POLITICAL PHILOSOPHY WESTERN)	A. Concept of Social and Political Philosophy	4	SS	1 st week of February
			B. Basic Concepts	20	SS	March
			C. Social Change	7	SS	End of April
			D. Family	14	SS	May
			E. Political Ideals	10	SS	End of May
			F. Socialism and its Varieties	15	SS	June
	G. Separation of power	5	SS	End of June		
HONS	PHIACOR09T (PSYCHOLOGY)	A. Relation between Philosophy of	5	US	1 st week of February	

		AND PHILOSOPHY OF MIND)	Mind, Psychology and Philosophy of Psychology				
			B. Psychology as Science	2	US	February	
			C. Associationism	10	US	March	
			D. Methods of Psychology	8	US	1 st week of April	
			E. Freud's Theory	10	SG	March	
			F. Dualism, Its types	2	US	June	
			G. General Discussion on Behaviourism:- Methodological and Philosophical	4	US	End of June	
			H. The Relation between Body and Mind	20	SG	Within June	
	HONS	PHIACOR10T (CLASSICAL INDIAN TEXT)	A. Annambhatta's Tarkasangraha with Dipika tika (From Buddhi up to Upamanakhandam)	75	SP & SG	End of June	
4 th SEMESTER	SEC	PHISSEC02M (Business Ethics)	Business Ethics	10	SP	Within May	
6 th SEMESTER	GEN	PHIGDSE03T (SOCIAL AND POLITICAL PHILOSOPHY)	A. Social Philosophy	35	SP	Within May	
			B. Political Ideals	40	SS	Within May	
	GEN	PHIGGEC02T (CRITICAL THINKING)	A. Critical Thinking	75	SS	Within June	
6 th SEMESTER	HONS	PHIACOR13T (WESTERN EPISTEMOLOGY AND METAPHYSICS)	A. Knowledge	15	SP	February	
			B. Theories of Truth	15	SP	March	
			C. The problem of Induction	8	SP	April	
			D. On What There Is: Realism, Idealism and Phenomenalism	15	SS	February	
			E. The Problem of Universal: Realism, Conceptualism and Nominalism	12	SS	March	
			F. The Causal Principle	10	SS	End of April	
	HONS			A. Vivekananda	15	SG	End of May
				B. Gandhi	25	US	End of May

		PHIACOR14T (SOME MODERN INDIAN THINKERS)	C. Aurobindo	10	US	June
			D. Ambedkar	25	SG	End of June
6 th SEMESTER	HONS	PHIADSE04T (SADHANA)	Rabindranath, Sadhana	75	SG	Within June
		PHIADSE05T (PROBLEMS OF PHILOSOPHY)	A. Appearance and Reality	75	SG & SS	Within June
			B. Knowledge by acquaintance and Knowledge by Description			
			C. On Induction			
	D. The Value of Philosophy					
	PHIADSE06T (AN ENQUIRY CONCERNING HUMAN UNDERSTANDING)	A. Hume, An Enquiry Concerning Human Understanding	75	SP & US	Within June	

Academic Calendar-2022-23
(Odd Semester)
[July2022-December-2022]

Department: Physics

Semester/ Year	Syllabus Module/Unit	No of Lectures	Name of Teacher	Distribution
I (PHSGCOR01T - Mechanics)	Mathematical Methods	10	PPP	
	Vectors: Vector algebra. Scalar and vector products. Derivatives of a vector with respect to a parameter. Ordinary Differential Equations: 1 st order homogeneous differential equations. 2 nd order homogeneous and inhomogeneous differential equations with constant coefficients.			
	Particle Dynamics			
	Laws of Motion: Frames of reference. Newton's Laws of motion. Dynamics of a system of particles. Centre of Mass. Momentum and Energy: Conservation of momentum. Work and energy. Conservation of energy. Motion of rockets. Rotational Motion: Angular velocity and angular momentum. Torque. Conservation of angular momentum.	21	PPP	
	Gravitation			
Gravitation: Newton's Law of Gravitation. Motion of a particle in a central force field (motion is in a plane, angular momentum is conserved, areal velocity is constant). Kepler's Laws (statement only). Satellite in circular orbit and applications. Geosynchronous orbits. Weightlessness. Basic idea of global positioning system (GPS).	8	PPP		
	Oscillations			
Oscillations: Differential equation of SHM and its solutions. Kinetic and Potential Energy, Total Energy and their time averages. Damped oscillations. Forced harmonic oscillations, resonance.	6	PPP		

	<p style="text-align: center;">Elasticity</p> <p>Hooke's law - Stress-strain diagram - Elastic moduli-Relation between elastic constants - Poisson's Ratio- Expression for Poisson's ratio in terms of elastic constants - Work done in stretching and work done in twisting a wire - Twisting couple on a cylinder - Determination of Rigidity modulus by static torsion –Page 78 Torsional pendulum.- Bending of beam.</p>	8	PPP	
	<p style="text-align: center;">Special Theory of Relativity</p> <p>Special Theory of Relativity: Constancy of speed of light. Postulates of Special Theory of Relativity. Length contraction. Time dilation. Relativistic addition of velocities.</p>	7	PPP	
III (PHSGCOR03T) Thermal Physics and Statistical Mechanics	<p style="text-align: center;">Laws of Thermodynamics</p> <p>Thermodynamic Description of system: Zeroth Law of thermodynamics and temperature. First law and internal energy, conversion of heat into work, Various Thermodynamical Processes, Applications of First Law: General Relation between CP and CV, Work Done during Isothermal and Adiabatic Processes, Compressibility and Expansion Coefficient, Reversible and irreversible processes, Second law and Entropy, Carnot's cycle & theorem, Entropy changes in reversible & irreversible processes, Entropy-temperature diagrams, Third law of thermodynamics, Unattainability of absolute zero.</p>	22	PPP	
	<p style="text-align: center;">Thermodynamic Potentials</p> <p>Enthalpy, Gibbs, Helmholtz and Internal Energy functions, Maxwell's relations and applications - Joule-Thompson Effect, Clausius- Clapeyron Equation, Expression for $(C_P - C_V)$, C_P/C_V, TdS equations.</p> <p style="text-align: center;">Kinetic Theory of Gases</p>	10	PPP	

	<p>Derivation of Maxwell's law of distribution of velocities and its experimental verification, Mean free path (Zeroth Order), Transport Phenomena: Viscosity, Conduction and Diffusion (for vertical case), Law of equipartition of energy (no derivation) and its applications to specific heat of gases; mono-atomic and diatomic gases.</p> <p style="text-align: center;">Theory of Radiation</p> <p>Blackbody radiation, Spectral distribution, Concept of Energy Density, 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.</p> <p style="text-align: center;">Statistical Mechanics</p> <p>Phase space, Macrostate and Microstate, Entropy and Thermodynamic probability, Maxwell-Boltzmann law - distribution of velocity - Quantum statistics (qualitative discussion only) - Fermi-Dirac distribution law (statement only) - electron gas as an example of Fermi gas - Bose-Einstein distribution law (statement only) - photon gas as an example of Bose gas- comparison of three statistics.</p>	10	PPP	
		6	PPP	
		12	PPP	
V	Relativistic Dynamics-	08	PPP	
PHSGDSE02T - (Perspectives of Modern Physics)	<p>Brief summary of Lorentz transformation and time dilation, length contraction, velocity addition etc. (no derivation required). Elastic collision between two particles as observed from two inertial frames with relative velocity, idea of relativistic momentum and relativistic mass. Mass-energy equivalence.</p> <p style="text-align: center;">Quantum Theory of Light-</p> <p>Review on the limitations of classical theory of electromagnetic radiation within a cavity and its solution by Planck's quantum hypothesis (no derivation required). Statement of Planck's law of black body radiation. Photoelectric effect. Einstein's postulate on light as a stream o photons.</p>	05	PPP	

	<p>Compton's scattering and its explanation.</p> <p style="text-align: center;">Bohr's Model-</p> <p>Limitations of Rutherford's model of atomic structure. Bohr's model, its successes and limitations.</p> <p style="text-align: center;">Wave-Particle Duality-</p> <p>De Broglie's hypothesis – wave particle duality. Davisson-Germer experiment. Connection with Einstein's postulate on photons and with Bohr's quantization postulate for stationary orbits. Heisenberg's uncertainty relation as a consequence of wave-particle duality. Demonstration by γ-ray microscope thought experiment. Estimating minimum energy of a confined particle using uncertainty principle.</p> <p style="text-align: center;">Wave-function Description-</p> <p>Two slit interference experiment with photons, atoms & particles; linear superposition principle of associated wave functions as a consequence; Departure from matter wave interpretation and probabilistic interpretation of wave function; Schrodinger equation for non-relativistic particles; Momentum and Energy operators; stationary states. Properties of wave function. Probability and probability current densities in one dimension.</p> <p style="text-align: center;">Stationary State Problems-</p> <p>One Dimensional infinitely rigid box, energy eigenvalues and eigenfunctions, normalization; Quantum dot as an example. Quantum mechanical scattering and tunnelling in one dimension - across a step potential andPage 93 across a rectangular potential barrier (qualitative discussion with statements of end results only).</p> <p style="text-align: center;">Atomic Physics-</p> <p>Quantization rules energy and orbital angular momentum from Hydrogen and Hydrogen like atoms (no derivation); s, p, d, shells-subshells. Space quantization. Orbital Magnetic Moment and Magnetic Energy of electron, Gyromagnetic Ratio and Bohr magneton. Zeeman effect. Electron Spin as relativistic quantum effect (qualitative discussion only), Spin Angular</p>	04	PPP	
		06	PPP	
		07	PPP	
		05	PPP	
		15	PPP	

Academic Calendar:2022-2023
(Even Semester)
January-2023-June-2023

Department: PHYSICS

Semester/ Year	Syllabus Module/Unit	No of Lectures	Name of Teacher	Distribution
II PHSGCOR02T (Electricity and Magnetism)	Vector Analysis Review of vector algebra (Scalar and Vector product), gradient, divergence, Curl and their significance, Vector Integration, Line, surface and volume integrals of Vector fields, Gauss-divergence theorem and Stoke's theorem of vectors (statement only).	2	PPP	January (2023)
	Electrostatics Electrostatic Field, electric flux, Gauss's theorem of electrostatics. Applications of Gauss theorem- Electric field due to point charge, infinite line of charge, uniformly charged spherical shell and solid sphere, plane charged sheet, charged conductor. Electric potential as line integral of electric field. Electric potential due to an electric dipole. Calculation of electric field from potential. Capacitance of an isolated spherical conductor. Parallel plate condenser. Energy per unit volume in electrostatic field. Dielectric medium, Polarisation, Displacement vector. Gauss's theorem in dielectrics. Parallel plate capacitor completely filled with dielectric.	18	PPP	January- February (2023)
	Magnetism Magnetostatics: Biot-Savart's law & its applications- straight conductor, circular coil, solenoid carrying current. Divergence and curl of magnetic field. Magnetic vector potential. Ampere's circuital law. Magnetic properties of materials: Magnetic intensity, magnetic induction, permeability, magnetic susceptibility. Brief introduction of dia-, para- and ferro-magnetic materials.	10	PPP	February (2023)

	<p style="text-align: center;">Electromagnetic Induction</p> <p>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.</p>	06	PPP	March (2023)
	<p style="text-align: center;">Linear Network</p> <p>Impedance of L, C, R and their combinations. Thevenin & Norton's Theorem. Maximum power transfer theorem and superposition theorem. Anderson's bridge.</p>	05	PPP	March (2023)
	<p style="text-align: center;">Maxwell's Equations and Electromagnetic Wave Propagation</p> <p>Equation of continuity of current, Displacement current, Maxwell's equations, Poynting vector, energy density in electromagnetic field, electromagnetic wave propagation through vacuum and isotropic dielectric medium, transverse nature of EM waves, polarization.</p>	09	PPP	April (2023)
	<p style="text-align: center;">General topic</p> <p>Use a Multimeter for measuring (a) Resistances, (b) AC and DC Voltages, (c) DC Current, (d) Capacitances (e) Checking electrical fuses and (f) circuit continuity check. Demonstration on Carey Foster's bridge, potentiometer, resistance box, inductor coil, moving coil galvanometer (in dead beat and ballistic mode) etc.</p>	10 Hours	PPP	April-May (2023)
	<p style="text-align: center;">List of Practicals</p> <p>1. To determine an unknown Low Resistance using Carey Foster's Bridge.</p> <p>2. To verify the Thevenin and Norton theorems.</p> <p>3. To verify the Superposition and Maximum power transfer theorems.</p>	5 Hours	PPP	May-June (2023)

	<p>4. To determine self-inductance of a coil by Anderson's bridge.</p> <p>5. To study response curve of a Series LCR circuit and determine its (a) Resonant frequency, (b) Impedance at resonance, (c) Quality factor Q, and (d) Band width.</p> <p>6. To study the response curve of a parallel LCR circuit and determine its (a) Anti- resonant frequency and (b) Quality factor Q.</p> <p>7. To study the characteristics of a series RC Circuit.</p> <p>8. To determine an unknown Low Resistance using Potentiometer.</p> <p>9. To determine the resistance of a galvanometer using Thomson's method.</p> <p>10. Measurement of field strength B and its variation in a solenoid (determine dB/dx)</p>	<p>5 Hours</p> <p>5 Hours</p> <p>5 Hours</p> <p>5 Hours</p> <p>5 Hours</p> <p>5 Hours</p>	<p>PPP</p> <p>PPP</p>	
<p>IV</p> <p>PHSGCOR04T - (Waves and Optics)</p>	<p>Superposition of Two Collinear Harmonic oscillations</p> <p>Linearity & Superposition Principle. (1) Oscillations having equal frequencies and (2) Oscillations having different frequencies (Beats).</p> <p>Superposition of Two Perpendicular Harmonic Oscillations</p> <p>Graphical and Analytical Methods. Lissajous Figures with equal an unequal frequency and their</p>	<p>04</p> <p>02</p>	<p>PPP</p> <p>PPP</p>	<p>January-2023</p> <p>January-2023</p>

uses.			
Waves Motion- General			
Transverse waves on a string. Travelling and standing waves on a string. Normal Modes of a string. Group velocity, Phase velocity. Plane waves. Spherical waves, Wave intensity.	07	PPP	January-2023
Fluids			
Surface Tension: Synclastic and anticlastic surface - Excess of pressure - Application to spherical and cylindrical drops and bubbles - variation of surface tension with temperature. Viscosity: Viscosity - Rate flow of liquid in a capillary tube - Poiseuille's formula - Determination of coefficient of viscosity of a liquid - Variations of viscosity of a liquid with temperature lubrication. Qualitative discussion on water waves.	06	PPP	January-2023
Sound			
Simple harmonic motion - forced vibrations and resonance - Fourier's Theorem - Application to saw tooth wave and square wave - 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.	06	PPP	February 2023
Wave Optics			
Electromagnetic nature of light. Definition and Properties of wave front. Huygens Principle.	03	PPP	February 2023
Interference			
Interference: Division of amplitude and division of wavefront. Young's Double Slit experiment. Lloyd's Mirror and Fresnel's Biprism. 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	10	PPP	February 2023

(Fizeau Fringes). Newton's Rings: measurement of wavelength and refractive index.			
Michelson's Interferometer			
Idea of form of fringes (no theory needed), Determination of wavelength, Wavelength difference, Refractive index, and Visibility of fringes.	03	PPP	March 2023
Diffraction			
Fraunhofer diffraction- Single slit; Double Slit. Multiple slits and Diffraction grating. Fresnel Diffraction: Half-period zones. Zone plate. Fresnel Diffraction pattern of a straight edge, a slit and a wire using half-period zone analysis.	14	PPP	March 2023
Polarization			
Transverse nature of light waves. Plane polarized light – production and analysis. Circular and elliptical polarization.	05	PPP	April 2023
List of Practical			
1. To determine the frequency of an electric tuning fork by Melde's experiment and verify $\lambda^2 \propto T$ law.	5 Hours	PPP	April 2023
2. To determine Coefficient of Viscosity of water by Capillary Flow Method (Poiseuille's method).	5 Hours		
3. To determine refractive index of the Material of a prism using sodium source.	5 Hours		
4. To determine the dispersive power and Cauchy constants of the material of a prism using mercury source.	5 Hours		
5. To determine wavelength of sodium light using Fresnel Biprism.	5 Hours		May-2023
6. To determine wavelength of sodium light using Newton's Rings.	5 Hours		
7. To determine dispersive power and resolving power of a plane diffraction grating.	5 Hours		

	<p>8. To determine the thickness of a thin paper by measuring the width of the interference fringes produced by a wedge-shaped Film.</p> <p>9. Familiarization with: Schuster`s focusing; determination of angle of prism.</p> <p>10. To determine wavelength of (1) Na source and (2) spectral lines of Hg source using plane diffraction grating.</p> <p>11. To investigate the motion of coupled oscillators.</p> <p>12. To determine the wavelength of sodium source using Michelson`s interferometer.</p>	<p>5 Hours</p> <p>5 Hours</p> <p>5 Hours</p> <p>5 Hours</p> <p>5 Hours</p>		June-2023
<p>VI</p> <p>PHSGDSE04T - (Nuclear and Particle Physics)</p>	<p>Preliminary Topics</p> <p>Review of mass-energy equivalence, quantum tunnelling. Qualitative discussion on properties of semiconductors.</p> <p>General Properties of Nuclei</p> <p>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, N/A plot, angular momentum, parity, magnetic moment, electric moments, nuclear excites states.</p> <p>Nuclear Models</p> <p>Liquid drop model approach, semi empirical mass formula and significance of its various terms, 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, basic assumption of shell model, concept of mean field, residual interaction, concept of nuclear force.</p> <p>Radioactivity decay</p>	<p>03</p> <p>09</p> <p>11</p>	<p>PPP</p> <p>PPP</p> <p>PPP</p>	<p>January (2023)</p> <p>January (2023)</p> <p>January (2023)</p>

	<p>(a) Alpha decay: basics of α-decay processes, theory of α- emission, Gamow factor, Geiger Nuttall law, α-decay spectroscopy. (b) beta-decay, positron emission, electron capture, neutrino hypothesis. (c) Gamma decay: Gamma rays emission & kinematics, internal conversion.</p>	10	PPP	February (2023)
	<p style="text-align: center;">Nuclear Reactions</p> <p>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)</p>	08	PPP	February (2023)
	<p style="text-align: center;">Interaction of Nuclear Radiation with matter</p> <p>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 interactionPage 98 with matter.</p>	08	PPP	February (2023)
	<p style="text-align: center;">Detector for Nuclear Radiations</p> <p>Basic principles of ionization chamber and GM Counter. 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</p>	07	PPP	March-2023
	<p style="text-align: center;">Particle Accelerators</p> <p>Linear accelerator, Cyclotron, Synchrotron's.</p> <p style="text-align: center;">Particle physics</p>	05	PPP	March (2023)

	<p>Particle interactions; basic features, types of particles and its families. Symmetries and Conservation Laws: energy and momentum, angular momentum, parity, baryon number, Lepton number, Isospin, Strangeness and charm, concept of quark model, color quantum number and gluons.</p>	14	PPP	April (2023)

HIRALAL MAZUMDAR MEMORIAL COLLEGE FOR WOMEN
DAKSHINESWAR, KOLKATA – 700 035 ★ TEL: 2564 5148

ACADEMIC CALENDAR						
SUBJECT- PHYSIOLOGY GENERAL (GE/DSC)						
SESSION- 2022-2023						
SEMESTER	GENERAL (PAPERCODE)	SYLLABUS MODULE / UNIT	NO. OF HOURS	TEACHER	DISTRIBUTION	PROJECT/ STUDENT SEMINAR (IF ANY)
<i>I</i>	<i>PHYGCOR01T</i>	<i>Chemistry of Biomolecules</i>	<i>14</i>	<i>DM</i>	<i>JULY'22 TO AUGUST'22</i>	
		<i>Nutrition, Vitamins, Minerals, Gastrointestinal Hormones</i>	<i>10</i>	<i>MS</i>		
<i>I</i>	<i>PHYGCOR01T</i>	<i>Enzymes</i>	<i>6</i>	<i>DM</i>	<i>SEPTEMBER'22 TO OCTOBER'22</i>	
		<i>Digestion and Absorption</i>	<i>10</i>	<i>MS</i>		
<i>I</i>	<i>PHYGCOR01T</i>	<i>Carbohydrate, Protein and Fat Metabolism</i>	<i>10</i>	<i>DM</i>	<i>NOVEMBER'22 TO DECEMBER'22</i>	
		<i>Regulation of Gastrointestinal Functions</i>	<i>10</i>	<i>MS</i>		
		<i>Theory Internal Assessment</i>	<i>1</i>	<i>MS</i>		<i>DECEMBER'22</i>



I	PHYGCOR01P	Biological Chemistry	30	MS	JULY'22 TO SEPTEMBER '22	
I	PHYGCOR01P	Biochemical Estimation Practical Internal Assessment	30 1	MS MS	OCTOBER '22 TO NOVEMBE R ' 22 DECEMBER ' 22	
III	PHYGCOR03T	Nerve & Muscle	20	MS	JULY'22 TO AUGUST'22	
III	PHYGCOR03T	Special Senses	15	MS	SEPTEMBER' 22	
III	PHYGCOR03T	Nervous System Theory Internal Assessment	25 1	MS MS	OCTOBER '22 TO NOVEMBER '22 DECEMBER'2 2	POS TER / PPT
III	PHYGCOR03P	Identification of Skeletal Muscle, Cardiac Muscle and SmoothMuscle	15	MS	JULY'22 TO AUGUST'22	
III	PHYGCOR03P	Determination of ColourVision	15	MS	SEPTEMBER' 22	
III	PHYGCOR03P	Determination of Visual Acuity	15	MS	OCTOBER'22	
III	PHYGCOR03P	Measurement of Grip Strength Practical Internal Assessment	15 1	MS MS	NOVEMBER'22 DECEMBER'22	



V	PHYGDSE02T	<p><i>Importance of Regular Exercise in health and wellbeing</i></p> <p><i>Basic concept of Bioenergetics</i></p> <p><i>Energy sources during exercise</i></p> <p><i>Cardiorespiratory responses during different grades of exercise</i></p>	15	MS	JULY'22	
V	PHYGDSE02T	<p><i>Concept of EPOC</i></p> <p><i>Physiological Fatigue and recovery</i></p> <p><i>Aerobic Work Capacity</i></p>	15	MS	SEPTEMBER' 22	
V	PHYGDSE02T	<p>Principles of Physical Training</p> <p>Training to improve aerobic and anaerobic power</p> <p>Effect of Overtraining and Detraining</p>	15	MS	OCTOBER'22	POSTER / PPT
V	PHYGDSE02T	<p>Nutritional Supplements and Ergogenic Aids</p> <p>Sports Injury and its Management</p> <p>Basic idea of Sports rehabilitation and Sports Medicine</p> <p>Theory Internal Assessment</p>	15	MS	NOVEMBER'22	
			1	MS	DECEMBER'22	



V	PHYGDSE02P	Measurement of blood pressure before and after Exercise. Recording of Recovery Pulse Rate after Standard Exercise	15	MS	JULY'22 TO AUGUST'22	
V	PHYGDSE02P	Queen's College Step Test Six Minutes Walk Test	15	MS	SEPTEMBER'22	
V	PHYGDSE02P	Measurement of Body Fat Percentage	15	MS	OCTOBER'22	
V	PHYGDSE02P	<i>Determination of Endurance Time by Handgrip Dynamometer</i> <i>Practical Internal Assessment</i>	15 1	MS MS	NOVEMBER '22 DECEMBER'22	
I, III, V	PHYGCOR01 T PHYGCOR01 P PHYGCOR03 T PHYGCOR03 P PHYGDSE02T	WBSU EXAM	-	-	DECEMBER '22	



	PHYGDSE02P					
II	PHYGCOR02 T	Circulation	25	MS	JANUARY'23 TO FEBRUARY'23	
II	PHYGCOR02 T	Respiration & Excretion Theory Internal Assessment	20 15 1	MS MS	MARCH'23 TO APRIL'23 MAY'23	P
II	PHYGCOR02 P	Sphygmomanometric measurement of arterial blood pressure at rest and after exercise. Modified Harvard Step Test and Determination of Physical Fitness	30	MS	JANUARY'23 TO FEBRUARY'23	
II	PHYGCOR02 P	Recording of Recovery Heart Rate after Standard Exercise. Practical Internal Assessment	30 1	MS MS	MARCH'23 TO APRIL'23 MAY'23	
IV	PHYGCOR04 T PHYGCOR04 P	Endocrinology Reproduction Identification of Stained Sections of Different Mammalian Tissues & Organs	15 15 30	MS M.Sinha MS	JANUARY'23 TO FEBRUARY'23 JANUARY'23 TO FEBRUARY'23	
IV	PHYGCOR04 T	Endocrinology Reproduction	15 15	MS M.Sinha	MARCH '23 TO APRIL'23	POS TER/



	PHYGCOR04 P	<p>Identification of Stained Sections of Different Mammalian Tissues & Organs</p> <p>Theory & Practical Internal Assessment</p>	30 2	MS MS	<p>MARCH'23 TO APRIL'23</p> <p>MAY'23</p>	PPT
VI	PHYGDSE03T	<p>Nutritional Classification, Digestive Absorption, Metabolism of Carbohydrates, Proteins, Lipids. Sound Pollution as a community health issue.</p> <p>Principles of Human Nutrition- Relationship between Nutrition, Health & Disease.</p> <p>Recommended Dietary Allowances, Malnutrition & Chronic Energy, LBW, PEM, Xerophthalmia, IDD, Iron & Iodine Deficiency, Micronutrient Disorders. Food Toxicity, Effect of Processing on Nutritive value of foods.</p> <p>Balanced Diet, Diet Survey, Concept of ACU.</p> <p>Composition & Nutritional Value of Common Indian</p>	10 10	DM M.Sinha	<p>JANUARY'23 TO MARCH'23</p> <p>JANUARY'23 TO MARCH'23</p>	



		Foodstuff- Rice, wheat, pulses, egg, meat, fish, milk, Dietary Fibres, Calorie Requirement Principles of Formulation of Balanced diets for growing child, adult man & woman, pregnant and lactating woman	10	MS	JANUARY'23 TO MARCH'23	
VI	PHYGDSE03T	<p>Definition, Concept of Noise. Source if Extraordinary Sound. Effects of Sound Pollution on Human Health, Noise Index (Noise Standard).</p> <p>Socioecology of Nutrition. Habitual diets in India & their adequacy. Basic idea about community health and public health issues.</p> <p>Diet Management of Obese, Diabetic, Hypertensive Person and Athlete. Basic Idea on PCM, Marasmus, Kwashiorkor and their prevention.</p> <p>Theory Internal Assessment</p>	10	DM	APRIL'23 TO MAY'23	
			10	M.Sinha	APRIL'23 TO MAY'23	
			10	MS	APRIL'23 TO MAY'23	POSTER/PPT
			1	MS	MAY'23	



VI	PHYGDSE03P	Diet Survey	30	MS	JANUARY'23 TO MARCH'23	
VI	PHYGDSE03P	Qualitative Assessment of Noise. Practical Internal Assessment	30 1	DM MS	APRIL'23 TO MAY'23 MAY'23	
II, IV, VI	PHYGCOR02 T PHYGCOR02 P PHYGCOR04 T PHYGCOR04 P PHYGDSE03T PHYGDSE03P	WBSU EXAM			JUNE'23	

Semester	(Hons /General)	Internal Assessment(Tenta tive time)	University Examination
I	GENERAL	DECEMBER'22 (THEORY & PRACTICAL)	DECEMBER'22
III	GENERAL	DECEMBER'22 (THEORY & PRACTICAL)	
V	GENERAL	DECEMBER'22 (THEORY & PRACTICAL)	
II	GENERAL	MAY'23 (THEORY & PRACTICAL)	JUNE'23
IV	GENERAL	MAY'23 (THEORY & PRACTICAL)	
VI	GENERAL	MAY'23 (THEORY & PRACTICAL)	



Department of Psychology

Session: 2022-23 (ODD SEM)

Semester-I

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
1st Semester	Hons	<u>PSYACOR01T:</u> INTRODUCTION TO PSYCHOLOGY	1.Introduction	4	AM,	September,22	
			2. a.Perceptual processes	4	Extension Lecture by PB	October,22	
			b.Thinking	4	SM		
			3. Learning & Motivation	3	RC	September,22	
			4. a.Memory b.Emotion	3 3	AM SM	December,22	
		<u>PSYACOR01P</u>	Perceptual Reversibility	4 hours/ week	AM , SM	Oct,22- Dec,22	
			Experiment on Memory (Unspaced v/s. Spaced)		AM		
		<u>PSYACOR02T:</u>	<u>BIOPSYCHOLOGY</u>	3	SM	September,22	
			1.Introduction to biopsychology	4	MS, SM	October,22- December,22	
			2.Functioning Brain	4	MS (Dept. of Physiology)	September,22	
			3.Organization of nervous systems	4			
			4.Endocrine System	4	SM	November,22	
		<u>PSYACOR02P:</u>	Experiment on Reaction Time	4 hours/ week	SM	September,22- December,22	
			Pneumolysis		RC		

Semester -III

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar (if any)
3rd Semester	Hons.	<u>PSYACOR05T</u> UNIT 1:	a.Basics of Research in Psychology b, Qualitative Vs Quantitative	8	R.C SM	July 22-September, 22	
		UNIT 2	Conducting Experiment	14	AM , SM	August,22-September, 22	
		UNIT 3	Non-Experimental Research	8	Extensi on lecture by PB	October,22- November, 22	
		UNIT 4	Standardizati on of Psychological Test	8	AM	September, 22- November, 22	
			<u>PSYACOR05P:</u> Experiment/ test based on Group Data Analysis	4 hours/ week	AM	September, 22- December, 22	
			Focused Group Discussion	4 hours/ week	SM, AM,RC, A.D	December, 22- February,23	
			Unit1: Understandin g Psyche	06	PB	September, 22- October,22	
		<u>PSYACOR06T:</u>	Unit2 Positivist Orientation	12	Extensi on Lecture by PB	September, 22- October,22	

			Unit3:Psychoanalytic Orientation	15	SM	September, 22-October,22
			Unit:4 Feminism & Social Construction	4	MM	January,23
		<u>PSYACOR06P</u>	Defense Style Questionnaire (DSQ)	4 hours/week/batch	RC	November, 22-January,23
			Beck Depression Inventory (BDI-II)		AM	
		<u>PSYACOR07T</u>	Unit-1 Psychology of the Social	15	AD	July,22-August,22
			Unit-2 Understanding the social world	15	Extension Lecture by PB	December, 22-January,23
			Unit-3 Social Interaction and Influence	15	RC	December, 22-January,23
			Unit-4 Group Dynamics and inter-group relations	15	AM	November, 22-January,23
		<u>PSYACOR07P</u>	1.Attitude	4 hours/week	SM	September, 22-November, 22
			2.Prejudice	4 hours/week	RC	November, 22-January, 23
		SEC	1.Introduction to stress 2. Stress and Health		RC	January to February,23

			3.Managing Stress I 4. Managing Stress II				
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SEM-V

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
5 th Semester	Hons	PSYACOR11T: UNDERSTANDING PSYCHOLOGICAL DISORDERS	1) Understanding Psychopathology	10	S.M.	August-September,22	
			2) Anxiety Disorders and Obsessive Compulsive and Related Disorders	20	A.M.	September-October,22	
			3) Somatic symptoms and related disorders	15	R.C.	November - December,22	
			4) Substance Related and Addictive Disorders	15	S.M.	August-September,22	
		PSYACOR11P	1) Medico Psychological Questionnaire	4 hours/ week	A.D./P. B	August-September,22	
			2) Perceived Stress Scale		S.M	September-October,22	
		PSYACOR12T ORGANIZATION BEHAVIOUR	1) Industrial and Organizational Psychology	10	A.D., R.C.	July-August,22	
			2) Individual's Attitudes; Job Satisfaction; Work Motivation	14	A.M.	September-October,22	
			3) Human Resource Practices	8	S.M.	November - December,22	

			4) Training	12	Extension Lecture by P.B	August-September, 22	
		PSYACOR12P	1) Organizational Commitment Scale	4 hours /week	A.M.	September-October, 22	
			2) Work Life Balance Scale		R.C.	August-September, 22	

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
5th Semester	ELECTIVE: DISCIPLINE SPECIFIC DSE for Hons.	PSYADSE01T: CLINICAL PSYCHOLOGY	1) Models of Psychopathology- Psychodynamic, Cognitive-behavioural, Stress diathesis Model.	12	S.M.	September-October, 22	
			2) Overview of Personality disorders and Clusters.	10	R.C.	October-November, 22	
			3) Schizophrenia Spectrum Disorders	20	A.M.	October-November, 22	
			4) How to reach a diagnosis; Differential diagnosis; Clinical Assessment- Introduction to methods (specific for assessment and diagnostic Purpose) and diagnostic tools.	15	A.D., R.Cj.	October-November, 22	
			PANSS- Positive and Negative Syndrome Scale	4 hours/ week	R.C.	October-December, 22	
		PSYADSE03T:	Introduction	10	S.M.	October-November, 22	

		<u>Health and Wellbeing</u>	Stress and Health Behaviour	10	A.M.	October-November,22
			Positive Psychology	20	P.B.	October-November,22
			Happiness Wellbeing & Applications	20	P.B.	October-November,22
		<u>PSYADSE03P:</u>	Progressive Muscle Relaxation	4 hours/ week	S.M.	October-December,22

(EVEN SEMESTER)

Semester –II

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
2nd Semester (Core Papers)	Hons	<u>PSYACOR03T</u> (Psychology of Individual Differences)	1) Personality	12	AM,SC	April-June,23	
			2) Intelligence	12	RC	April-June,23	
			3) Indian Approach	7	SM	April-May,23	
			4)Enhancing Individuals Potential	7	SC	May-June,23	
		<u>PSYACOR03P</u>	1)WAPIS	4 hours/ week/ batch	AM	April-June	
			2) NEO-FFI		SM		
		<u>PSYACOR04T</u> (Statistical Methods for Psychological Research –I)	1) Introduction	10	AD	June,23	
			2) Measures of Central Tendency	10	PB	April-May,23	
			3) Measures of Variability & Standard(z) Scores	10	SM	May – June,23	
			4)Correlation	10	RC	June,23	

		<u>PSYACOR04P</u>	1) Graphical Representation of Data	4 hours/ week/ batch	RC	April- May,23	
			2) The Normal Distribution		AM		

SEMESTER IV

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
4 th Semester (Core Papers)	Hons	<u>PSYACOR08T</u> (Statistical Methods for Psychological Research – II)	1) Concept and computation of ‘t’ & ‘z’ test	20	SM	March-April ,23	
			2) Concept of ANOVA & Computation of One way ANOVA	21	SM	April - May,23	
			3) Non parametric tests : Chi square, Mann Whitney U test, Wilcoxon Sign Rank Test	19	RCj	April - May,23	
		<u>PSYACOR08P</u>	Introduction to SPSS/R	4 hours/ week/ batch	AM	April- May,23	
		<u>PSYACOR09T</u> (Developmental Psychology)	Introduction	8	RC	March,23	
			Domain I				
			a)Prenatal	6	RC	May- June,23	
			b)Physical	4	SC	May,23	
			c)Cognitive	6	PB	March,23	
			d)Language	6	PB	April,23	
			3) Domain II				
			a)Emotional	6	AM	March,23	
			b) Moral	6	SC	April,23	
		c) Social	6	AM	April,23		
		4) Socio-Cultural Contexts					
		a) Family	4	SM	May- June,23		

			b)Peers	4	SM	May- June,23	
		<u>PSYACOR09P</u>	1) Attachment Style Questionnaire	4 hours/ week/ batch	AD,SC	April- May,23	
			1) Gender Role Identity		RC		
		<u>PSYACOR010T</u>	1) Introduction	10	RC	May- June,23	
			2) Applying Social Psychology I Environment, Diversity	10	AM	March- April,23	
			3) Applying Social Psychology II Work, Health, Legal System	12	SM,AM	April- June,23	
			4) Intervention and evaluation : Impact Analysis,	8	A.D.	April- June,23	
		<u>PSYACOR010P</u>	1) Group Influence	4 hours/ week/ batch	SM	April- May,23	
			2) Group Cohesiveness		RC		

SEMESTER -VI

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectur es (Hours)	Teache rs	Distributi on	Project/ Student Seminar (if any)
6thSemest er (Core Papers	Hons	<u>PSYACOR13T:</u> Understanding And Dealing With Psychological Disorders	Schizophrenia: Clinical Picture, causal factors and subtypes	10	S.C	March- April,23	
			Mood Disorders: Clinical Picture, causal factors and subtypes; suicide	12	A.M	March- April,23	
			Substance Related Disorder	5	S.M.	April,23	
			Sexual Disorders (Overview): Gender Identity Disorder, Paraphilia - Pedophilia, Voyeurism, Exhibitionism, Sexual Masochism, Sexual Sadism	6	R.C	May- June,23	

		<u>PSYACOR13P</u>	1) Scale on Expressed Emotion 2)ASIQ	4 hours/ week/ batch	R.C A.M	Feb- May,23	Students' Seminar on the Case studies on Schizophrenia.
		<u>PSYACOR14T:</u> Counselling Psychology	1) Introduction Meaning and Goals	08	P.B	March - April,23	
			2) Similarities and differences between counselling and psychotherapy, Counselling Skills: Micro and Macro skills in counselling.	08	S.M.	June,23	
			3) Contemporary Trends- 1)Yoga.Meditation 2)Expressive Therapy- Art,Dance-moment, Music Therapy	10	S.M, A.D.	March - May,23	
			4) Counselling Applications 1)Family Counselling 2)Career Counselling	05	P.B	March- April,23	
		<u>PSYACOR14P:</u>	1) GZII 2) DAT	4 hours/ week/ batch	R.C. R.C.	April- May,23	
	ELECTIVE: DISCIPLINE SPECIFIC DSE	<u>PSYADSE04T:</u> COMMUNITY & CROSS-CULTURAL PSYCHOLOGY	1) Introduction	12	R.Cj	April- May,23	
			2) Health promotion & Intervention	10	S.M	March- April,23	
			3) Culture	08	PB	May- June,23	
			4) Intervention	04	RCj	June,23	

		<u>PSYADSE04P:</u>	1) Quality of life 2) GHQ	4 hours/ week/ batch	A.M R.C.	March- April,23	
		<u>PSYADSE05T:</u> DEVELOPMENTAL AL PSYCHOLOGY CONTEMPORARY APPROACHES	1) Contemporary Approaches	6	AM, RCj,SC	May, 23	
			2) Development of Identity	8	AM	May- June,23	
			3) Critical Developmental Periods	12	R.C	May- June,23	
			4)Developmental Disabilities and Interventions:	18	SC, S.M & A.D.	April- May, 23	
		<u>PSYADSE05P</u> :	1) VSMS	4 hours/ week/ batch	S.M	April- June,23	
			2) DST		S.M.		

Semester	(Hons /General)	Internal Assessment (Tentative time)	University Examination
I	Hons.	Internal Assessment	November, 2022 (Tentative)
III	Hons.	Internal Assessment	November,2022 (Tentative)
V	Hons.	Internal Assessment	November, 2022 (Tentative)
II	Hons.	Internal Assessment	May, 2023(Tentative)
IV	Hons.	Internal Assessment	May, 2023 (Tentative)
VI	Hons & Gen	Internal Assessment	May, 2023 (Tentative)

Department of Sanskrit

Session:2022-2023

Semester	(Hons /General)	Syllabus Module/Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
1 st Semester	Honours	CC 1		LEC+TU			
		Section: A	Raghuvamsham	10+2	Dilip Panda	1 st week of September to January	
		Section: B	kumarasambhavam	18+3	Dibakanta Jha	1 st week of September to January	
		Section: C	Kiratarjuniyam	22+4	Dibakanta Jha	1 st week of September to January	
		Section:D	Nitisatakam	15+3	Ardhendu Bikash Das	1 st week of September to January	
		Section: E	Origin and Development of Mahakavya	10+2	Ardhendu Bikash Das	1 st week of	

			and Gitikavya			Septem ber to January	
		CC2					
		Section: A	Vedic Literature	20+4	Tanushree Chakraborty	1 st week of Septem ber to January	
		Section:B	Ramayana	10+2	Tanushree Chakraborty	1 st week of Septem ber to January	
		Section: C	Mahabharat a	10+2	Ardhendu Bikash Das	1 st week of Septem ber to January	
		Section: D	Puranas	10+2	Tanushree Chakraborty	1 st week of Septem ber to January	
		Section: E	General Introductio n to Vyakarana, Darsana and Sahityasastr a	25+5	Dilip Panda	1 st week of Septem ber to January	
	General	GE1/DS C1					

		Section: A	Raghuvams am	20+4	Tanushree Chakraborty	1 st week of Septem ber to January	
		Section: B	kumarasam bhavam	18+3	Ardhendu Bikash Das	1 st week of Septem ber to January	
		Section: C	Nitisatakam	22+5	Dibakanta Jha	1 st week of Septem ber to January	
		Section: D	History of Sanskrit Poetry	15+3	Ardhendu Bikash Das	1 st week of Septem ber to January	महाकविः अश्वघोष विरचित बुद्धचरित म्
3 rd Semester	Honours	CC5					
		Section: A	Svapnavasa vadattam	25+5	Dibakanta Jha	1 st week of Septem ber to January	
		Section: B	Abhijnasak untalam	50+10	Dilip Panda	1 st week of Septem ber to January	कालिदास स्य सर्वस्वम् अभिज्ञान शकुन्तलम्

		CC6					
		Section: A	Introduction to Sanskrit Poetics	10+2	Ardhendu Bikash Das	1 st week of September to January	काव्यप्रयो जनम्
		Section: B	Forms of Kavya Literature	15+3	Tanushree Chakraborty	1 st week of September to January	
		Section: C (TC)	Sabda-Sakti and Rasa-Sutra	20+4	Tanushree Chakraborty	1 st week of September to January	
		Section: D	Alamkara and Chandasa	30+6	Dibakanta Jha	1 st week of September to January	
		CC7					
		Section: A	Indian Social Institutions: Nature and Concept	15+2	Tanushree Chakraborty	1 st week of September to January	
		Section: B	Structure of Society and Value of Life Varna-System and Caste System	25+5	Dilip Panda	1 st week of September to January	

		Section: C	Indian Polity :Origin and Developme nt	30+6	Ardhendu Bikash Das	1 st week of Septem ber to January	
		Section: D	Cardinal Theories and Thinkers of Indian Polity	15+2	Ardhendu Bikash Das	1 st week of Septem ber to January	शुक्रनीति सारः
		GE3/DS C3					
		Section: A	Svapnavasa vadattam	25+5	Dilip Panda	1 st week of Septem ber to January	भासस्य नाटकचक्र म्
		Section: B	Abhijnasak untalam Section:B	50+10	Dibakanta Jha Tanushree Chakraborty	1 st week of Septem ber to January	
5 th Semester	Honours	CC11					
		Section: A	Samhita and Brahmana	25+5	Dibakanta Jha	1 st week of Septem ber to January	
		Section: B	Vedic Grammer	15+5	Dilip Panda	1 st week of Septem ber to January	

		Section: C	Mundakopa nisad	20+5	Dilip Panda	1 st week of Septem ber to January	आत्मनः स्वरूपम्
		CC12					
		Section: A	The Concept of the following Samjnas	4+1	Ardhendu Bikash Das	1 st week of Septem ber to January	
		Section: B	General introductio n on Philology	8+2	Dilip Panda	1 st week of Septem ber to January	
		Section: C	Karakaprka ranam: Vaiyakaran asiddhanta koumudi	25+5	Ardhendu Bikash Das	1 st week of Septem ber to January	अपादान कारकम्
		Discipline Specific Elective1	Samasaprak aranam: Vaiyakaran asiddhanta koumudi	25+5	Ardhendu Bikash Das	1 st week of Septem ber to January	
		Discipline Specific Elective1	Veda & Vyakarana	30+5	Dibakanta Jha Dilip Panda	1 st week of Septem ber to January	नाभानेदि ष्ठोपाख्या नम् प्राचीनभार तीयसमाज

							जीवनस्य चित्रम्
Discipline Specific Elective 3		Kavya	30+5	Tanushree Chakraborty	1 st week of Septem ber to January	माघे सन्ति त्रयो गुणा	
GE5/DSE5							
SANGDSE2T:		Kavirahasya m	30+5	Dilip Panda	1 st week of Septem ber to January		
SANGDSE2T:		Sahityadarpa na	25+5	Tanushree Chakraborty	1 st week of Septem ber to January	रसस्वरूप म्	
Generic Elective Course(Non Sanskrit Pass)	Section:A	Grammer & Composition : 1	15+5	Tanushree Chakraborty	1 st week of Septem ber to January		
	Section:B	Grammer & Composition : Part 2	20+5	Dilip Panda			
	Section:C	Literature (Gita XII)	25+5	Dibakanta Jha	1 st week of Septem ber to January	श्रीमद्भग वद्गीताया म् भक्तियो गः	

Department of Sanskrit

Session 2022-2023

Semester	(Hons /General)	Syllabus Module/ Unit	Topic	No. of lectures (Hours)	Teachers	Distribution	Project/ Student Seminar(if any)
2 nd Semester	Honours	CC3		LEC+TU			
		Section :A	Sukanasopadesa	10+2	Dibakanta Jha	1 st week of May to July	
		Section :B	Visrutacaritam	18+3	Tanushree Chakraborty	1 st week of May to July	
		Section :C	Origin and development of Prose, importance of prose romance and fables	22+4	Ardhendu Bikash Das	1 st week of May to July	
		CC4					
		Section :A	Gita-Cognitive and emotive apparatus	10+2	Dilip Panda	1 st week of May to July	
		Section :B	Gita-Controlling the mind	10+2	Dibakanta Jha	1 st week of	

						May to July	
		Section :C	Gita-Self management through devotion	20+4	Dilip Panda	1 st week of May to July	
	General	GE2/DS C2					
		Section :A	Sukanasopadesa	10+2	Dilip Panda	1 st week of May to July	
		Section :B	Sivarajavijaya m	10+2	Tanushree Chakraborty	1 st week of May to July	
		Section :C	Survey of Sanskrit literature - Prose	25+5	Dibakanta Jha	1 st week of May to July	संस्कृतग द्यसाहि त्ये वाणभट्ट स्य अवदानम्
4 th Semester	Honours	CC8					
		Section :A	Epigraphy	25+5	Dibakanta Jha	1 st week of May to July	
		Section :B	Paleography	50+10	Dilip Panda	1 st week of	

						May to July	
		Section :C	Study of selected inscriptions	20+2	Dilip Panda	1 st week of May to July	
		Section :D	Chronology	10+2	Tanushree Chakraborty	1 st week of May to July	भारतोया भिलेखेषु शकाब्दस्य उद्भवः
		CC9					
		Section :A	Survey of Modern Sanskrit literaturein Bengal	20+4	Tanushree Chakraborty	1 st week of May to July	आधुनिक संस्कृतसाहित्ये लघुकथायाः प्रासङ्गिकता
		Section :B	(Gadyakavya and Rupaka) Sivarajavijayam	30+6	Dibakanta Jha	1 st week of May to July	
		Section :B	(Gadyakavya and Rupaka) Bharatavivekam	30+6	Ardhendu Bikash Das	1 st week of May to July	
		Section :B	(Gadyakavya and Rupaka) Chipitakacharanam	30+6	Dilip Panda	1 st week of May to July	

		CC10					
		Section :A	Sanskrit studies in West	20+4	Tanushree Chakraborty	1 st week of May to July	
		Section :B	Sanskrit studies in East	10+2	Dilip Panda	1 st week of May to July	संस्कृतसाहित्येदयानन्दस्वामिपादानाम् अवदानम्
		SEC-2	Spoken Sanskrit & Computer Awareness for Sanskrit	22+2	Dibakanta Jha/Dilip Panda	1 st week of May to July	
	General	GE4/ DSC4					
		Section :A	Lghusiddhanta kaumudi (Samjya Prakaran)	22+4	Dibakanta Jha	1 st week of May to July	
		Section :B	Laghusiddhsnt akaumudi (Sandhi Prakaran)	22+4	Dilip Panda	1 st week of May to July	
		Section :C	Laghusiddhant akaumudi (Vibhakti Prakaran)	15+3	Tanushree Chakraborty	1 st week of May to July	प्रातिपदि कार्थलिङ्ग परिमाणव चनमात्रे प्रथमा

6 th Semester	Honours	CC13					
		Section :A	Essentials of Indian Philosophy	20+4	Tanushree Chakraborty	1 st week of May to July	
		Section :B	Ontology	10+2	Dilip Panda	1 st week of May to July	तर्कसंग्रहम् येप्रमाप्रमा णञ्च
		Section :C	Epistemology	10+2	Dilip Panda	1 st week of May to July	
		CC 14					
		Section :A	Vibhaktyartha, Voice and Krt	25+5	Tanushree Chakraborty	1 st week of May to July	
		Section :B	Translation and Commucation	20+2	Dibakanta Jha	1 st week of May to July	
		Section :C	Essay	20+4	Dibakanta Jha	1 st week of May to July	वसन्तोत्सवः
Discipline Specific Elective 4			i)Vedic culture & Vedic studies in West Bengal	22+5	Dibakanta Jha	1 st week of	वैदिकवा ङ्मये वङ्गीयाना

				May to July	म् अवदानम्	
		ii)Computational linguistics	15+3	Dilip Panda	1 st week of May to July	
		iii)Vaidika Vyakhyapaddhati	25+2	Dilip Panda	1 st week of May to July	
		iv)Bhattikavyam	25+5	Dilip Panda	1 st week of May to July	
Discipline Specific Elective 6		i)Kavyalankara sutravritti	10+2	Tanushree Chakraborty	1 st week of May to July	रोतिरात्मा काव्यस्य
		ii)Bhattikavyam	10+2	Dilip Panda	1 st week of May to July	
Generic Elective Course (Non Sanskrit Pass)						
	Section -A	Vedic Literature	20+4	Ardhendu Bikash Das /Dibakanta Jha	1 st week of May to July	
	Section -B	Ramayana	30+6	Tanushree Chakraborty	1 st week of	

					May to July		
		Section -C	Mahabharata	10+2	Tanushree Chakraborty	1 st week of May to July	साहित्ये महाभारत स्य प्रभावः
		Section -D	Puranas	10+2	Tanushree Chakraborty	1 st week of May to July	
		Section: E	General introduction to Vyakarana, Dar sana and Sahityasastra	18+3	Dilip Panda	1 st week of May to July	

Semester	(Honours/General)	Internal Assessment (Tentative time)	University Examination
1 st Semester	Honours		1 st week of March,2023(Tentative)
	General	2 nd week of November,2022	
2 nd Semester	Honours	1 st week of June,2022	August,2023(Tentative)
		1 st week of June,2022	
	General	2 nd week of June,2022	
3 rd Semester	Honours	1 st week of November,2022	January,2023(Tentative)
		1 st week of November,2022	
		2 nd week of November,2022	
		2 nd week of November,2022	
	General	2 nd week of November,2022	
4 th Semester	Honours	1 st week of June,2023	August,2023(Tentative)
		1 st week of June,2023	
		1 st week of June,2023	
	General	2 nd week of June,2023	
5 th Semester	Honours	1 st week of November,2022	January,2023(Tentative)
		2 nd week of November,2022	
		2 nd week of November,2022	
	General	2 nd week of November,2022	

	GE	2 nd week of November,2022	
6 th Semester	Honours	1 st week of June,2023	August,2023(Tentative)
		1 st week of June,2023	
		1 st week of June,2023	
		1 st week of June,2023	
	General	1 st week of June,2023	

**HIRALAL MAZUMDAR MEMORIAL COLLEGE FOR
WOMEN**

**ACADEMIC CALENDAR OF ODD SEMESTERS (HONOURS /
GENERAL) SYLLABUS**

**Session- 2022-23 (Odd Semester-1, 3, 5) 2022-
2023**

Semester	Hons/Gen	Syllabus Module/Unit	Topic	No. of Lectures (Hours)	Teachers	Distribution	Project/Student Seminar (if any)	University Examination
1	Hons	CC-1	1.1, 1.2- Sociology: Discipline, Thinking Sociologically	15	CD	September, October, November (mid) 2022		
1	Hons	CC-1	1.3- Basic Concepts (Such as; - Association, groups, norms & values)	20	TS	September, October' 22- December 2022		
1	Hons	CC-1	1.4- culture, personality, socialization	20	CD	November (mid) 2022- early January 2023		
1	Hons	CC-1	2.1- sociology and other social sciences, 3.3- social control, 3.5- social change and mobility	20	PM	September, October' 22- December 2022		
1	Hons	CC-2	1.1 -Colonial discourse, 1.3- subaltern discourse	25	SG	October' 22- early January 2023	Assignment given	
1	Hons	CC-2	2.1- Caste, concept and	25	KDM	September,	Assignment	

			critique; 2.2- agrarian class			October' 22- early January 2023	given	
1	Hons	CC-2	2.4- tribe-profile and location, 2.5- village-structure and change	25	OD	September, October' 22- early January 2023	Assignment given	
1	Gen	CC-1	1- Sociology as a science, study of social phenomena, 2- basic concepts- society, community, culture, group etc.	25	CD	September, October' 22- early January 2023		
1	Gen	CC-1	2- Basic concepts- socialization, 3- marriage, family-types, features, functions	25	SG	October' 22- early January 2023		
1	Gen	CC-1	4- social stratification,	25	KDM	October-early January 2023		

			5- social instit utions, 6- move ments, 7- contin uity and chang e					
3	Hons	CC-5	1-political culture and political socialization; 2-basic concepts- power, authority, state etc.	37.5	TS	Septembe r- Decembe r 2022		
3	Hons	CC-5	3-elite, ruling class (theories); 4- democratic decentralizati on-local self- government	37.5	KDM	Septembe r- Decembe r 2022		
3	Hons	CC-6	1-approaches to the study of sociology of religion- Durkheim, 3- religious fundamentalis m, secularization debate	37.5	PM	Septembe r- Decembe r 2022	Assignm ent given	
3	Hons	CC-6	1-Marx's theory of religion, 2- rationality and religion-early Judaism, Weber's theory, Greek science	37.5	SG	Septembe r- Decembe r 2022	Assignm ent given	
3	Hons	CC-7	1-gender as a social/patriarc	40	CD	Septembe r-	Students ,	

			hal construct, sex, gender, sexuality, masculinity, femininity; 2-gender and class, gender-caste, family			December 2022	presentation	
3	Hons	CC-7	1-gender socialization, stereotyping, 3-violence against women, women's and LGBTQ movements	35	OD	September-December 2022	Students' presentation	
3	Gen	CC-3	1-Karl Marx-historical materialism, class struggle	25	PM	September-December 2022	Assignment given	
3	Gen	CC-3	2-Durkheim-social fact, solidarity	25	OD	September-December 2022	Assignment given	
3	Gen	CC-3	3-Max Weber-ideal type, social action, authority	25	TS	September-December 2022	Assignment given	
3	Hons	SEC1	Methods of Sociological Inquiry-basic concepts	50	CD	October-December 2022		
5	Hons	CC-11	1-Karl Marx-Historical Materialism, capitalism, class struggle	25	SG	September-December 2022	Assignment given	
5	Hons	CC-11	2-Emile Durkheim-social fact, individual and society-suicide	25	CD	September-December 2022	Assignment given	
5	Hons	CC-11	3-Max Weber-social action, religion and economy	25	KDM	September-December 2022	Assignment given	

5	Hons	CC-12	1-sociological research, objectivity, reflexivity, theory and research, concepts and hypothesis	25	PM	September-December 2022		
5	Hons	CC-12	2-perspectives of studying social phenomena, types of research etc.	25	OD	September-December 2022		
5	Hons	CC-12	3-Modes of enquiry-survey, case study etc.	25	TS	September-December 2022		
5	Hons	DSE1	1-Urban sociology-introduction; 3-movements and settlements, migration, community	25	KDM	September-December 2022	Presentation	
5	Hons	DSE1	2-Perspectives in Urban Sociology	25	OD	September-December 2022	Presentation	
5	Hons	DSE1	4-Politics of urban space, caste, class and leisure	25	TS	September-December 2022	Presentation	
5	Hons	DSE2	1-Agrarian societies, studies	25	SG	September-December 2022	Assignment given	
5	Hons	DSE2	2-Key issues in agrarian sociology; 3.3-agrarian movements	30	CD	September'22-early January 2023	Assignment given	
5	Hons	DSE2	3.1,3.2-labour and agrarian class structure, markets, land reforms, green	20	PM	September-December 2022	Assignment given	

			revolution					
5	Gen	DSE2	1-introduction to kinship; family and household-structure and change	25	SG	September-December 2022		
5	Gen	DSE2	1.1-biological and social kinship, cultural kinship; 2-Descent, alliance	25	PM	September-December 2022		
5	Gen	DSE2	4-Contemporary issues-new reproductive technology, marriage migration	25	OD	September-December 2022		
5	Gen	GE1	1-Political culture, political socialization, consensus, political economy	25	KDM	September-December 2022		
5	Gen	GE1	2-Political machine, political identities, political processes	25	CD	September-December 2022		
5	Gen	GE1	3-Separatism and secessionism	25	TS	September-December 2022		
			FINALN EXAMINATION			January'23		Tentative date of final examination

ACADEMIC CALENDAR OF EVEN SEMESTERS (HONOURS / GENERAL) SYLLABUS

(EVEN SEM-2, 4, 6) 2022-223

DEPARTMENT OF SOCIOLOGY

Semester	Hons/Gen	Syllabus Module/ Unit	Topic	No. of Lectures (Hours)	Teachers	Distribution	Project/ Student Seminars (if any)
2	Hons	CC-3	1-Building Blocks of sociological theory	10	CD	April 2023	Assign given
2	Hons	CC-3	2-Functionalism	16	PM	April-May 2023	Assign given
2	Hons	CC-3	3-Symbolic Interactionism	16	KDM	April-May 2023	Assign given
2	Hons	CC-3	4-Conflict Theory	16	TS	April-May 2023	Assign given
2	Hons	CC-3	5-Feminism	16	OD	April-May 2023	Assign given
2	Hons	CC-4	1.1-Gandhi, Ambedkar, Rabindranath	20	SG	April-June (2 nd week) 2023	
2	Hons	CC-4	1.2-Indian thinkers	15	PM	June 2 nd week 2023	
2	Hons	CC-4	1.3-Benoy Sarkar, Srinivas	15-16	CD	May-June (2 nd week) 2023	
2	Hons	CC-4	Dalit movements	10	OD	June 2 nd week 2023	
2	Hons	CC-4	Peasants Movements	10	TS	June 2 nd week 2023	
2	Hons	CC-4	Communalism	6-8	KDM	June 2 nd week 2023	
2	Hons	CC-4	Secularism	6-8	CD	June 2 nd week 2023	
2	Gen	CC-2	India as a plural society	10	SG	April 2023	
2	Gen	CC-2	Caste, tribe, class, village	20	KDM	April-May 2023	
2	Gen	CC-2	Dalit movement	10	SG	May 2023	
2	Gen	CC-2	Women's movement	10	KDM	May 2023-early June 2023	

2	Gen	CC-2	Family, kinship; communalism, secularism	25	PM	April-early June 2023	
4	Hons	CC-8	1-perspectives of economic sociology	25	CD	February-early April 2023	
4	Hons	CC-8	2-forms of exchange	20	PM	February-March end 2023	
4	Hons	CC-8	3-systems of production	20	KDM	February-March end 2023	
4	Hons	CC-8	3.4-Historical Capitalism	10	SG	April 2023	
4	Hons	CC-9	1-introduction to kinship	10	OD	April 2023	Assignm
4	Hons	CC-9	1.2-types of descent, kinship	10	PM	May 2023	Assignm
4	Hons	CC-9	marriage migration	10	KDM	April end-May 2023	Assignm
4	Hons	CC-9	2-family, household, marriage;	10-15	TS	April 2023	Assignm
4	Hons	CC-9	3-recasting kinship-	10	OD	May mid 2023	Assignm
4	Hons	CC-10	Introduction to social stratification	20	SG	May mid 2023	Presentn
4	Hons	CC-10	Functionalist theory of stratification	10-12	OD	May end 2023	Presentn
4	Hons	CC-10	Feminist theory – patriarchy, gendered stratification	20	CD	End of May 2023	Presentn
4	Hons	CC-10	Caste stratification	15	TS	May 2023	Presentn
4	Hons	CC-10	Globalization and third world	10	SG	May 2023	Presentn
4	Gen	CC-4	Social research-overview, objectivity	25	CD	March-May (mid) 2023	
4	Gen	CC-4	Comparative method, ethnography	20	TS	March-May (mid) 2023	
4	Gen	CC-4	Data collection and analysis	20	OD	March-May (mid) 2023	
4	Hons	SEC2	Gender Sensitization	40	CD	May end 2023	
4	Hons	SEC2	Gender	20	RS	May end	

			Sensitization			2023	
6	Hons	CC-13	Talcott Parsons Action system	15-18	PM	Early April 2023	Assign
6	Hons	CC-13	Mead, Goffman, Berger and Luckmann	25	SG	Early May 2023	Assign
6	Hons	CC-13	Critical theory- Horkheimer, Adorno, Marcuse	25	CD	April 2023	Assign
6	Hons	CC-14	Sampling	15	OD	April 2023	
6	Hons	CC-14	Introduction to statistics, graphical representation	15-20	KDM	Mid May 2023	
6	Hons	CC-14	Central tendency, dispersion	20	SM	Mid May 2023	
6	Hons	DSE4	Introduction to sociology of work	10	SG	Mid May 2023	
6	Hons	DSE4	Industrialism	8	CD	Mid May 2023	
6	Hons	DSE4	Post-industrialism, information society	15	TS	Mid May 2023	
6	Hons	DSE4	Unpaid labour etc.	10-12	KDM	Mid May 2023	
6	Hons	DSE4	Work in informal sector	10-12	PM	Mid May 2023	
6	Hons	DSE4	Risk and hazards	10-12	OD	Mid May 2023	
6	Hons	DSE6	G.S.Ghurye	15	PM	End May 2023	
6	Hons	DSE6	Radhakamal Mukherji	15	CD	End May 2023	
6	Hons	DSE6	D.P. Mukerji	15	KDM	End May 2023	
6	Hons	DSE6	M.N.Srinivas	10	TS	End May 2023	
6	Hons	DSE6	Irawati Karve	10	OD	End May 2023	
6	Gen	DSE3	Social stratification, race, ethnicity	25	SG	Mid May 2023	
6	Gen	DSE3	Caste, class, gendering inequality	25	OD	End May 2023	
6	Gen	DSE3	Social mobility	25	TS	End May 2023	
6	Gen	GE2	Approaches of Economic Sociology, social	25	CD	Mid May 2023	

			development				
6	Gen	GE2	Modes of production-domestic, peasant	25	KDM	Mid May-2023	
6	Gen	GE2	Capitalism, globalization	25	PM	Mid May-2023	
			FINALN EXAMINATION			June 2023	

H.O.D Signature and Date

DEPARTMENT OF Women's Studies
ACADEMIC CALENDAR 2022-23 (Odd Semester)

Semester	Course Code	SYLLABUS/MODULE/UNIT	Module	FACULTY	Tentative Time for Completion
1 ST SEM	WMSGCOR01T WMSHGEC01T	Basic Concepts and Theories of Women's Studies	I	PK	By the middle of November
			II	NB	By the middle of December
			III	SM and SB	By the end of January
3rd SEM	WMSGCOR03T WMSHGEC03T	Women and Social Empowerment	I	SM	By October
			II	PK	By November
			III	SB and NB	By December
5th SEM	WMSGDSEC01T WMSGDSE02T	Rights of Women	I	PK	By September
			II	NB and SB	By November
			III	SM	By January

ACADEMIC CALENDAR (Even Semesters)- 2022-23

Semester/Year	Syllabus Module/Unit	Faculty	Tentative time for completion
2 nd Semester	<i>Section:A</i> Position of women in ancient and medieval India, representation of women in scriptures and epics (The Vedas, the Ramayana and the Mahabharata, the Puranas, Manusamhita, Sanskrit drama)	MM and PK	1 st week of April
	<i>Section:B</i> Brief introduction to some great women personalities: Ramabai, Sister Nivedita, Dr.Kadambini Ganguly, Begum Rokeya, Sarojini Naidu	MM, NB, PM	1 st week of May
	<i>Section:C</i> Indian Feminism : basic writings by Nivedita Menon, Chandra Talpade Mohanty, V. Geetha, Kamla Vasin, Sharmila Rege	CD, SB	1 st week of May
	<i>Section:D</i> Emergence of Women's Studies as a discipline, UGC-guidelines, brief introduction to Women's Studies centres in India and their academic and cultural work	PK	1 st week of May
4 th Semester	<i>Section:A</i> Women's Question in the 19 th century – Women's Movement in colonial India: Women's representation in Karachi Congress resolution, Women's participation in Satyagrahas and revolutionary activities, AIWC, Quit India movement	SM and AB	1 st week of May
	<i>Section:B</i> Post-Independence Women's movements: Telengana, Roop Kanwar and anti-Sati agitation, the Shah Bano case, Dalit	PK	1 st week of April

	women's movements		
	<i>Section C</i> Ecofeminism, Women and Science, Women and mass-media, women and industry.	PK and RS	1 st week of April

6 th Semester (GE only)	Ecofeminism and its relation to Environmental Awareness environmental awareness: Theoretical aspects	SM and PK	1 st week of April
	Term papers, project reports, participation in forestation and awareness programme etc.	AB	1 st week of May
	Chipko movement, Narmada Bnachao Movement, Green Belt Movement	NB	1 st week of May