

DEPARTMENT OF GEOGRAPHY
TEACHING PLAN OF HEMANTA SUTRADHAR
Geography (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 1. Degradational processes: Weathering, mass wasting and resultant landforms CC-2: Cartographic Techniques and Geological map study 7. Types of rocks and minerals. Characteristics of Granite, Basalt, Dolerite, Pegmatite, Gneiss, Shale, Sandstone, Slate, Marble, Quartzite, Quartz, Feldspar, Mica, Limestone, Calcite, Bauxite, Magnetite, Hematite, Galena Practical CC2 (Practical) Cartographic Techniques and Geological map study 4. Geological Map (Problems related to Horizontal, Uniclinal, Folded and Faulted structure); Drawing of Geological section and Interpretation of the Map.	4	Theory CC7: GEOGRAPHY OF INDIA Unit 1: Geography of India 1. Geology and physiographic divisions 2. Climate, soil and vegetation: Characteristics and classification	2 3	Theory CC-11. RESEARCH METHODOLOGY AND FIELD WORK Unit 1: Research Methodology 1. Research in Geography: Meaning, types and significance DSE-2: POPULATION GEOGRAPHY Unit 1: 1. Development of Population Geography: Relation between Population Geography and Demography 2. Determinants of Population Dynamics; Concept of Optimum Population	5 2 3
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Aug	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 2. Models of landscape evolution: Views of Davis, Penck, and Hack CC-2: Cartographic Techniques and Geological map study	3	Theory CC7: GEOGRAPHY OF INDIA Unit 1: Geography of India 3. Population: Distribution, growth, structure and policy 4. Distribution of population by race, caste, religion, language, tribes	2 3	Theory CC-11. RESEARCH METHODOLOGY AND FIELD WORK Unit 1: Research Methodology 2. Significance of Literature review in research DSE-2: POPULATION	5

	<p>7. Types of rocks and minerals. Characteristics of Granite, Basalt, Dolerite, Pegmatite, Gneiss, Shale, Sandstone, Slate, Marble, Quartzite, Quartz, Feldspar, Mica, Limestone, Calcite, Bauxite, Magnetite, Hematite, Galena</p> <p>Practical CC2 : Cartographic Techniques and Geological map study 4. Geological Map (Problems related to Horizontal, Uniclinal, Folded and Faulted structure); Drawing of Geological section and Interpretation of the Map.</p>	2			<p>GEOGRAPHY Unit 1: 3. Theories of population growth: Malthusian Theory and Marxian Approach. Demographic Transition Model 4. Distribution, Density and Growth of Population in India since 1951</p>	3	2	
Sept	<p>Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 3. Slope Development: Concept of Wood CC-2: Cartographic Techniques and Geological map study 8. Concept of Bedding Plane, Unconformity and Non-conformity, thickness of Bed, Dip, Throw, Hade, beave</p>	4	<p>Theory CC7: GEOGRAPHY OF INDIA Unit 1: Geography of India 5. Agricultural regions, Green revolution and its consequences 6. Mineral and power resources distribution and utilisation of iron ore, coal, petroleum</p>	2	<p>Theory CC-11. RESEARCH METHODOLOGY AND FIELD WORK Unit 1: Research Methodology 3. Defining research problem, objectives and hypothesis, Research materials and methods</p> <p>DSE-2 : POPULATION GEOGRAPHY Unit 2: 1. Population Composition and Characteristics: Age-Sex: Female-Male Ratio 2. Measures of Fertility and Mortality</p>	4	2	3
Oct	<p>Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology</p>		<p>Theory CC7: GEOGRAPHY OF INDIA Unit 1: Geography of India</p>		<p>Theory CC-11. RESEARCH METHODOLOGY AND FIELD WORK Unit 1: Research</p>			

	3. Slope Development: Concept of Wood CC-2: Cartographic Techniques and Geological map study 8. Concept of Bedding Plane, Unconformity and Non-conformity, thickness of Bed, Dip, Throw, Hade, beave	4 2	7. Industrial development since independence. 8. Regionalisation of India: Views of Spate and Bhatt.	2 3	Methodology 4. Techniques of writing scientific reports: Preparing notes, references, bibliography (APA Style), abstract and keywords DSE-2 : POPULATION GEOGRAPHY Unit 2: 3. Population Composition of India: Rural and Urban, Occupational Structure as per Census of India 4. Migration: Theories, Causes and Types	6 8
Nov	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 4. Development of river network and landforms on uniclinal and folded structures Practice classes	3 5	Theory CC7: GEOGRAPHY OF INDIA Unit 2: Geography of West Bengal 1. Physical perspectives: Physiographic divisions, forest and water resources 2. Population: Growth, distribution and human development Practice classes	2 3 5	Theory DSE-2 : POPULATION GEOGRAPHY Unit 2: 5. Concept of Human Development Index 6. Population and development: population-resource regions. Practice classes	2 3 5
Dec	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 4. Development of river network and landforms on uniclinal and folded structures Special class	2 5	Theory CC7: GEOGRAPHY OF INDIA Unit 2: Geography of West Bengal 3. Resources: Mining, agriculture and industries 4. Regional Development: Darjeeling Hills and Sundarban Special class	2 3 5	Theory DSE-2 : POPULATION GEOGRAPHY Unit 2: 7. Population policies in Selected Countries: Sweden and China 8. Contemporary Issues in Population: Health and Unemployment Special class	2 3 5
	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
Jan	Theory CC3 (Theory) – Human Geography		Theory CC-10. ENVIRONMENTAL		Theory CC 14 : DISASTER	

	<p>Unit 2: Society, Demography and Ekistics 5. Human, population and environment relations with special reference to development–environment conflict.</p> <p>CC4 (Theory) – Cartograms, Survey and Thematic Mapping 5. Concepts of Bearing; magnetic and true, whole-circle and reduced</p> <p>Practical CC4 (Practical) – Cartograms, Survey and Thematic Mapping 3. Contouring by Dumpy Level and Prismatic Compass</p>	<p>5</p> <p>2</p> <p>2</p>	<p>GEOGRAPHY 1. Geographers' Approach to Environmental Studies 2. Changes in Perception of Environment in different stages of Human Civilization</p> <p>Practical CC-10: ENVIRONMENTAL GEOGRAPHY 1. Preparation of questionnaire for perception survey on environmental problems</p>	<p>5</p> <p>5</p> <p>5</p>	<p>MANAGEMENT Unit 2: 3. Cyclone: Factors, vulnerability, consequences and management</p> <p>DSE - 3: RESOURCE GEOGRAPHY Unit 1: 1. Resource Geography: Its Importance and relation with other sub-disciplines 2. Resource: Concept and Classification</p>	<p>3</p> <p>5</p> <p>5</p>
Feb	<p>Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 6. Social morphology and rural house types in India</p> <p>CC4 (Theory) – Cartograms, Survey and Thematic Mapping 5. Concepts of Bearing; magnetic and true, whole-circle and reduced</p> <p>Practical CC4 (Practical) – Cartograms, Survey and Thematic Mapping 3. Contouring by Dumpy Level and Prismatic Compass</p>	<p>5</p> <p>3</p> <p>3</p>	<p>Theory CC-10: ENVIRONMENTAL GEOGRAPHY 3. Ecosystem: Concept, Structure and Functions</p> <p>Practical CC-10: ENVIRONMENTAL GEOGRAPHY 2. Environmental Impact Assessment: Leopold Matrix</p>	<p>5</p> <p>5</p>	<p>Theory CC 14 : DISASTER MANAGEMENT Unit 2: 3. Cyclone: Factors, vulnerability, consequences and management</p> <p>DSE - 3: RESOURCE GEOGRAPHY Unit 1: 3. Functional Theory of Resource 4. Problems of Resource Depletion with Special Reference to Forest, Water and Fossil Fuels</p>	<p>2</p> <p>5</p> <p>5</p>
Mar	<p>Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 7. Types and patterns of</p>	<p>2</p>	<p>Theory CC-10: ENVIRONMENTAL GEOGRAPHY 4. Environmental Degradation and Pollution: Water and Air</p>	<p>5</p>	<p>Theory CC 14 : DISASTER MANAGEMENT Unit 2: 4. Fire: Factors,</p>	<p>2</p>

	<p>rural settlements CC4 (Theory) – Cartograms, Survey and Thematic Mapping 7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite</p> <p>Practical CC4 (Practical) – Cartograms, Survey and Thematic Mapping 4. Determination of Height of objects using Transit Theodolite (Accessible and Inaccessible bases)</p>	2	<p>Practical CC-10: ENVIRONMENTAL GEOGRAPHY</p> <p>3. Quality assessment of soil using field kit: pH and NPK</p>	5	<p>vulnerability, consequences and management</p> <p>DSE - 3 : RESOURCE GEOGRAPHY Unit 1: 5. Resource Conservation : Principles and Methods</p> <p>6. Concept of 'Limits to Growth'</p>	5
Apr	<p>Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 7. Types and patterns of rural settlements</p> <p>CC4 (Theory) – Cartograms, Survey and Thematic Mapping 7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite</p> <p>Practical CC4 (Practical) – Cartograms, Survey and Thematic Mapping 4. Determination of Height of objects using Transit Theodolite (Accessible and Inaccessible bases)</p>	3	<p>Theory CC-10. ENVIRONMENTAL GEOGRAPHY 5. Environmental Issues related to Agriculture 6. Urban Environmental issues related to Waste Management</p> <p>Practical CC-10: ENVIRONMENTAL GEOGRAPHY 4. Interpretation of air quality using CPCB / WBPCB data</p>	5	<p>Theory CC 14: DISASTER MANAGEMENT Unit 2: 4. Fire: Factors, vulnerability, consequences and management</p> <p>DSE-3: RESOURCE GEOGRAPHY Unit 2: 1. Distribution and Utilisation of Metallic Mineral Resources in Indian Context: Iron ore, Bauxite</p> <p>2. Distribution and Utilisation of Non-Metallic Mineral Resources in Indian Context: Mica, Limestone</p>	3
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May	Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 8. Functional Classification of urban settlements		Theory CC-10. ENVIRONMENTAL GEOGRAPHY 7. Concept and Issues related to Bio-diversity Practice classes	5 7	Theory DSE - 3 : RESOURCE GEOGRAPHY Unit 2: 3. Distribution, Problems and Management of Energy Resources in Indian Context; Conventional (Coal) and Non- Conventional (Solar) 4. Power resources and problems with reference to Petroleum Practice classes	5 5 7
	CC4 (Theory) – Cartograms, Survey and Thematic Mapping 7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite Practice classes	3 2 5				
	Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 8. Functional Classification of urban settlements CC4 (Theory) – Cartograms, Survey and Thematic Mapping 7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite Special class	2 3 5	Theory CC-10. ENVIRONMENTAL GEOGRAPHY 8. Environmental Programs and Policies on Forest and Wetland: National and Global Special class	5 5	Theory DSE-3: RESOURCE GEOGRAPHY Unit 2: 5. Contemporary Energy Crisis and Future Scenario 6. Sustainable Resource Development Special class	5 5 5
June						

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TEACHING PLAN OF RANAJIT GHOSH
Geography (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	CC1 Theory: Geotectonics and Geomorphology Unit 1: 1. Earth's tectonic and structural evolution with reference to geological time scale CC2 (Theory): 1. Maps: Classification and Types. Components of a Map	5	CC 6 (Theory): Unit 1 1. Importance and significance of Statistics in Geography. Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio), sources of data CC 6 (Practical): 1. Construction of data matrix with each row representing an aerial unit (districts / blocks / mouzas / towns) and corresponding columns of relevant attributes. SEC 1 1. Numbering Systems: Binary Arithmetic	5	CC 11(Theory): Unit 2 1. Fieldwork in Geographical studies – Role and significance, Selection of study area and objectives. Pre-field preparations. Ethics of fieldwork CC 12(Theory): Unit 1 1. Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RS satellites, sensors and platforms. Unit 2 1. Definition and Components of Geographical Information System (GIS) and raster and vector data structures.	5
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Aug	CC1 Theory: Geotectonics and Geomorphology Unit 1: 2. Earth's interior with special reference to seismology. CC2 (Theory): 1. Maps: Classification and Types. Components of a Map	5	CC 6 (Theory): Unit 1 2. Collection of data and formation of statistical tables Unit 2 1. Central tendency: Mean, median, mode, partition values SEC 1 1. Numbering Systems: Binary Arithmetic 2. Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.	5	CC 11(Theory): Unit 2 2. Field techniques and tools: Questionnaires (open, closed, structured, non-structured), Interview with special reference to focused group discussions. CC 12(Theory): Unit 1 2. EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS. Unit 2 2. Principles of preparing attribute tables and overlay analysis.	5
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Sept	CC1 Theory: Geotectonics and Geomorphology Unit 1:3. Concept of Isostasy: Theories	5	CC 6 (Theory): Unit 2 2. Measures of dispersion range, mean deviation, standard deviation, coefficient of variation	5	CC 11 (Practical): Preparation of Field report CC 12(Theory): Unit 1 3. Principles of False	5

	of Airy and Pratt 4. Plate Tectonics; Processes at constructive, conservative, destructive boundaries and hotspots; resulting landforms CC2 (Theory): 2. Concept of Scales: Plain, Comparative, Diagonal and Vernier	2 2	CC 6 (Practical): 2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted. SEC 1 2. Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation. 3. Preparation of Annotated Diagrams and its interpretation; Scatter diagram and Histogram	5 6 1	Colour Composites (FCC) from IRS LISS-III and Landsat Images (ETM+) data; Image Processing, Pre-processing; Enhancement; Classification, CC 12(Practical): 1. Georeferencing of Scanned Maps	5 5
Oct	CC1 Theory: Geotectonics and Geomorphology Unit 1: 4. Plate Tectonics; Processes at constructive, conservative, destructive boundaries and hotspots; resulting landforms CC2 (Practical): 1. Construction of Scales: Plain, Comparative, Diagonal and Vernier	3 5	CC 6 (Theory): Unit 1 3. Sampling: Need, types, and significance and methods of random sampling CC 6 (Practical): 3. Histograms and frequency curve would be prepared on the dataset. SEC 1 3. Preparation of Annotated Diagrams and its interpretation; Scatter diagram and Histogram	5 5 6	CC 11 (Practical): Preparation of Field report CC 12(Theory): Unit 2 3. Principles of GNSS positioning - Uses and Waypoint Collection Methods CC 12(Practical): 2. Preparation of FCC using IRS LISS-III and/or Landsat (ETM+) data	5 5 5
Nov	CC2 (Theory): 2. Concept of Scales: Plain, Comparative, Diagonal and Vernier 3. Coordinate Systems: Polar and Rectangular. Concept of Geoid and Spheroid, Map Projections: Classification, Properties and Uses, Concept and Significance of UTM Projection CC2 (Practical): 2. Construction of Projections: Polar	2 5 2	CC 6 (Theory): Unit 1 4. Distribution: frequency, cumulative frequency Unit 2 3. Association and correlation: Rank correlation, product moment correlation SEC 1 3. Preparation of Annotated Diagrams and its interpretation; Scatter diagram and Histogram 4. Internet Surfing; Generation and extraction of information Special class	5 5 3 4 5	CC 11 (Practical): Preparation of Field report CC 12(Theory): Unit 1 4. Principles of image interpretation for Forest, Water and Soil CC 12(Practical): 3. Preparation of LULC Map by Supervised Image Classification (Maximum Likelihood) using IRS LISS-III or Landsat (ETM+) data Special class	5 5 5 5

	Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne's and Mercator's Special class	5				
Dec	CC2 (Theory): 4. Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement CC2 (Practical): 2. Construction of Projections: Polar Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne's and Mercator's Practice classes	5 2 5	CC 6 (Theory): Unit 2 4. Linear Regression and time series analysis. CC 6 (Practical): 4. Based on of the sample set and using two relevant attributes, a scatter diagram and regression line would be plotted and residual from regression would be mapped with a short interpretation, SEC 1 4. Internet Surfing: Generation and extraction of information Practice classes	5 5 6 5	CC 11 (Practical): Preparation of Field report CC 12(Theory): Unit 2 4. Applications of Geographical Information System in Flood Management and Urban Sprawl CC 12(Practical): 4. Digitisation of Point, Line and Polygon Features and Preparation of Thematic Map (using bar, pie and choropleth method) Practice classes	5 5 5 5
	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	Jan	CC3 (Theory): Unit 1 1. Nature, scope and recent trends of Human Geography CC4 (Theory) 1. Concepts of Cartograms and Thematic Maps	4 4	CC8 (Theory): Unit 1 1. Concept and Classification of Regions 2. Types of Planning; Principles and Techniques of Regional Planning SEC -2 (Practical) 1. Concept of Probability and Normal Distribution and their Geographical Applications, Skewness (Pearson's Method) 2. Differences between Spatial and non-Spatial data, Nearest Neighbour Analysis	5 5 6 1	CC14 (Theory): Unit 2 1. Earthquake; Factors, vulnerability, consequences and management DSE – 4 (Theory) Unit: 1 1. Soil: Definition, Factors of Formation 2. Development and Characteristics of an ideal Soil Profile
Feb	CC3 (Theory): Unit 1 1. Nature, scope and recent trends of Human Geography. 2. Evolution of humans, concept of race and ethnicity; Major Racial Groups of the world CC4 (Theory)	1 3 1	CC8 (Theory): Unit 2 1. Development: Meaning, Growth versus Development 2. Models for Regional Development: Growth Pole (Perroux) and Core Periphery (Hirschman) SEC -2 (Practical) 1. Concept of Probability and Normal Distribution	5 5 4	CC14 (Theory): Unit 2 2. Landslide: Factors, vulnerability, consequences and management DSE – 4 (Theory) Unit: 1 3. Physical and Chemical Properties of Soil with special reference to Texture,	5 5 5

	1. Concepts of Cartograms and Thematic Maps 2. Concept and utility of Isopleths and Choropleth,	3	and their Geographical Applications. Skewness (Pearson's Method) 2. Differences between Spatial and non-Spatial data, Nearest Neighbour Analysis	3	Structure, Organic Carbon and pH 4. Concept of Zonal, Azonal and Intrazonal Soil; Formation and Profile Characteristics of Laterite and Podsol	5
Mar	CC3 (Theory): Unit 1 2. Evolution of humans, concept of race and ethnicity; Major Racial Groups of the world 3. Space, society and cultural regions (language and religion)	2	CC8 (Theory): Unit 1 3. Need for Regional Planning; Multilevel Planning in India 4. Metropolitan Concept: Metropolis, Metropolitan Areas, Metropolitan Region	5	CC14 (Practical): Preparation of Field report	5
	CC4 (Theory) 2. Concept and utility of Isopleths and Choropleth, 8. Interpretation of Land-use and land cover maps	2	SEC -2 (Practical) 2. Differences between Spatial and non-Spatial data, Nearest Neighbour Analysis	5	DSE – 4 (Theory) Unit: 1 5. Classification of Soil: Russian and Indian (ICAR)	5
		1		6	6. Soil Degradation and Management	5
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Apr	CC3 (Theory): Unit 1 3. Space, society and cultural regions (language and religion)	3	CC8 (Theory): Unit 2 3. Model for Regional Development in India: Growth Foci (R.P.Misra)	5	CC14 (Practical): Preparation of Field report	5
	CC4 (Theory) 8. Interpretation of Land use and land cover maps	3	4. Concept of Regional Inequality and Disparity SEC -2 (Practical) 3. Correlation and Regression Analysis, t-test, Spearman's Rank	5	DSE – 4 (Theory) Unit: 2 1. Definition and Scope of Biogeography, Meaning of Biosphere, Ecology, Ecosystem, Environment, Communities, Habitats, Niche, Ecotone and Biotopes	5
			4. Time Series Analysis; Smoothing time series by Least Square and/or Moving Average Method	6	2. Biosphere and Energy: Laws of Energy Exchange, Food Chain, Food Web and Energy Flow	5
May	CC3 (Theory): Unit 1 3. Space, society and cultural regions (language and religion)	1	CC8 (Theory): Unit 2 5. Human Development: Significance, Indicators and Measurement	5	CC14 (Practical): Preparation of Field report	5
	4. Concept of Culture, Cultural Diffusion, Convergence, Cultural Realms of the world	2	6. Status of Regional Imbalances in India SEC -2 (Practical) 3. Correlation and Regression Analysis, t-test, Spearman's Rank	5	DSE – 4 (Theory) Unit: 2 3. Bio-Geo Chemical Cycle: Carbon, Nitrogen	5
			Correlation, Product	4	4. Factors of Plant Growth: Light, Heat, Moisture, Wind, Soil and Topography	5

	CC4 (Theory) 8. Interpretation of Land use and land cover maps CC4 (Practical) 2. Representation of data on map by proportional circles, dots and spheres, isolines and Choropleth method.	1 2	Moment Correlation; Linear Regression 4. Time Series Analysis; Smoothing time series by Least Square and/or Moving Average Method	3	
June	CC3 (Theory): Unit 1 4. Concept of Culture, Cultural Diffusion, Convergence, Cultural Realms of the world CC4 (Practical) 2. Representation of data on map by proportional circles, dots and spheres, isolines and Choropleth method. Practice classes	3 3 6	CC8 (Theory): Unit 2 7. Strategies for Regional Development in India 8.NITI Aayog and its Functions SEC -2 (Practical) 4. Time Series Analysis; Smoothing time series by Least Square and/or Moving Average Method Practice classes	5 5 6 5	CC14 (Practical): Preparation of Field report DSE - 4 (Theory) Unit: 2 5. Biomes – Concept and Classification;Tropical Rainforest and Temperate Grassland 6. Threat to Biodiversity- Causes, Consequences and Conservation Practice classes

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	Stream Ordering(Strahler) on a Drainage Basin.					
Sept	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 7. Glacial and fluvio-glacial processes and landforms	4	Theory CC-5. Climatology Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification 1. Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation. 2. Air mass: Typology, origin, characteristics and modification.	2 3	Theory DSE-1: CULTURAL AND SETTLEMENT GEOGRAPHY Unit 1: Cultural Geography 5. Cultural Segregation, Cultural Diversity, and Acculturation 6. Major Races of the World: Distribution and Characteristics.	3 2
Oct	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 7. Glacial and fluvio-glacial processes and landforms	4	Theory CC-5. Climatology Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification 3. Fronts: warm and cold; frontogenesis and frontolysis. 4. Weather: stability and instability; barotropic and baroclinic conditions.	2 3	Theory DSE-1: CULTURAL AND SETTLEMENT GEOGRAPHY Unit 2: Settlement Geography 1. Scope and Content of Settlement Geography 2. Definition and Characteristics of Rural Settlement	3 2
Nov	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 8. Aeolian and fluvio-aeolian processes and landforms, Practice classes	3 5	Theory CC-5. Climatology Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification 5. Circulation in the atmosphere: Planetary winds, jet stream and monsoons 6. Tropical and mid-latitude cyclones, Practice classes	2 3 5	Theory DSE-1: CULTURAL AND SETTLEMENT GEOGRAPHY Unit 2: Settlement GEOGRAPHY 3. Rural Settlements: Site and Situation 4. Urban Settlements:Census Definition, Urban Outgrowth, Urban Agglomeration, Practice classes	2 3 5
Dec	Theory: CC-1. GEOTECTONICS AND GEOMORPHOLOGY Unit 2: Geomorphology 8. Aeolian and fluvio-aeolian processes and landforms.	2	Theory CC-5. Climatology Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification 7. Evidences and causes of climate change 8. Climatic classification after	2 3	Theory DSE-1: CULTURAL AND SETTLEMENT GEOGRAPHY Unit 2: Settlement GEOGRAPHY 5. Urban Morphology:	2

	Special class	5	Köppen, Thornthwaite (1948) Special class	5	Classical Models of Burgess, Hoyt, Harris and Ullman 6. Functional Classification of Cities: Harris and Nelson. Special class	3 5
	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
Jan	Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 1. Evolution of human societies: Hunting and gathering, Pastoral nomadism, Subsistence farming, Industrial and urban societies CC4 (Theory) – Cartograms, Survey and Thematic Mapping 3. Concept, utility, and interpretation of :Climograph, Hythergraph and Ergograph Practical CC4 (Practical) – Cartograms, Survey and Thematic Mapping 1. Diagrammatic representation of data: Star and Age-sex pyramid diagram, pie diagram	5 2 2	Theory CC 9: ECONOMIC GEOGRAPHY Unit 1 1. Meaning and Approaches to Economic Geography 2. Concepts in Economic Geography: Goods; Services; Production; Consumption	3 2	Theory CC 13 : EVOLUTION OF GEOGRAPHICAL THOUGHT Unit 1: 1. Definition, Scope and Content of Geography; Geography as a Spatial Science 2. Geography in Ancient Period: Greek and Roman CC 14 : DISASTER MANAGEMENT Unit 1 1. Classification of hazards and disasters	3 2 3
Feb	Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 2. Human - environment relations with special reference to Arctic and hot desert regions CC4 (Theory) – Cartograms, Survey and Thematic Mapping 3. Concept, utility, and interpretation of :Climograph, Hythergraph and Ergograph	5 3	Theory CC 9: ECONOMIC GEOGRAPHY Unit 1 3. Factors Influencing Location of Economic Activity and Forces of Agglomeration 4. Determining Factors of Transport Cost	3 2	Theory CC 13 : EVOLUTION OF GEOGRAPHICAL THOUGHT Unit 1: 3. Development of Geography in Medieval period: Arabian 4. Development of Mapping and Knowledge about the World Regional Geography in the Age of Explorations CC 14 : DISASTER MANAGEMENT	2 3

	<p>Practical CC4 (Practical) – Cartograms, Survey and Thematic Mapping 1. Diagrammatic representation of data: Star and Age-sex pyramid diagram, pie diagram</p>	3			<p>Unit 1 2. Approaches to hazard study: Risk perception and vulnerability assessment. Hazard paradigms.</p>	2
Mar	<p>Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 3. Population growth and distribution, population composition; demographic transition model</p> <p>CC4 (Theory) – Cartograms, Survey and Thematic Mapping 4. Preparation and interpretation of demographic charts and diagrams (Age-Sex Pyramid)</p>	2	<p>CC 9: ECONOMIC GEOGRAPHY Unit 2 1. Concept and Classification of Economic Activities 2. Location Theories: Von Thünen and Alfred Weber</p>	3	<p>CC 13 : EVOLUTION OF GEOGRAPHICAL THOUGHT Unit 1: 5. Classical Geography in 19th Century; Humboldt, Ritter</p> <p>6. Quantitative Revolution and its Critique</p> <p>CC 14 : DISASTER MANAGEMENT Unit 1 3. Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building.</p>	2
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Apr	<p>Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 3. Population growth and distribution, population composition; demographic transition model</p> <p>CC4 (Theory) – Cartograms, Survey and Thematic Mapping 4. Preparation and interpretation of demographic charts and diagrams (Age-Sex Pyramid)</p>	3	<p>CC 9: ECONOMIC GEOGRAPHY Unit 2 3. Primary Activities: Subsistence and Commercial Agriculture; Forestry; Fishing 4. Secondary Activities: Manufacturing (Iron and Steel in India and Japan, Petrochemical in India and USA)</p>	3	<p>CC 13 : EVOLUTION OF GEOGRAPHICAL THOUGHT Unit 2: 1. German School of Thought 2. French School of Thought</p> <p>CC 14 : DISASTER MANAGEMENT Unit 1 4. Hazards mapping: Data and techniques.</p>	3
		3		2		2

May	Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 4. Population-Resource regions	3	CC 9: ECONOMIC GEOGRAPHY Unit 2 5. Tertiary Activities; Types of Trade and Services 6. Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe Practice classes	3	CC 13 : EVOLUTION OF GEOGRAPHICAL THOUGHT Unit 2: 3. American School of Thought 4. Indian Contribution to Geography Practice classes	3
	CC4 (Theory) – Cartograms, Survey and Thematic Mapping 6. Basic concepts of surveying and survey equipments: Abneys Level, Clinometer Practice classes	2		2		5
June	Theory CC3 (Theory) – Human Geography Unit 2: Society, Demography and Ekistics 4. Population-Resource regions	2	CC 9: ECONOMIC GEOGRAPHY Unit 2 7. Highways: Roles in Economic Development of India since 1990s 8. International Trade Blocs: WTO and OPEC Practice classes	3	CC 13 : EVOLUTION OF GEOGRAPHICAL THOUGHT Unit 2: 5. Concept of Determinism, Possibilism and Neo-Determinism 6. Approaches to the study of Geography: Systematic and Regional Practice classes	3
	CC4 (Theory) – Cartograms, Survey and Thematic Mapping 6. Basic concepts of surveying and survey equipments: Abneys Level, Clinometer Practice classes	3		2		5
		5				5

For Charitli Gami
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DEPARTMENT OF GEOGRAPHY
TEACHING PLAN OF HEMANTA SUTRADHAR
Geography (GENERAL/GE) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	Theory: CCIA Geomorphology and Cartography Unit 1: 1. Weathering: Types and related landforms.	5	Theory CC 1C: Human Geography Unit I: 3. Eskimos: Adjustment to the environment and recent development Practical CC 1C: Unit II: Map Projection and Map interpretation 3. Interpretation of Topographical maps: Relation between Physiography, drainage and settlement	2	Theory DSE-1A : GEOGRAPHY OF INDIA UNIT: 1 1. Physical Setting – Landforms, Drainage, Climate 2. Population – Size and Growth since Independence	5
	Practical CCIA Geomorphology and Cartography Unit 2: 3. Composite bar diagram and age-sex pyramid.	2		3		
Aug	Theory: CCIA Geomorphology and Cartography Unit 1: 7. Fluvial Cycle of Erosion – Davis and Penck Practical	5	Theory CC 1C: Human Geography Unit I: 3. Eskimos: Adjustment to the environment and recent development Practical CC 1C: Unit II: Map Projection and Map interpretation 3. Interpretation of Topographical maps: Relation between Physiography, drainage and settlement	3	Theory DSE-1A : GEOGRAPHY OF INDIA UNIT: 1 3. Settlement – Rural and Urban Types 4. Agricultural Resource: Rice and Wheat and Cotton	5
	CCIA Geomorphology and Cartography Unit 2: 3. Composite bar diagram and age-sex pyramid.	3		2		
Sept	Theory: CCIA Geomorphology and Cartography 8. Hydrological Cycle and ground water. Practical	5	Theory CC 1C: Human Geography Unit I: 4. Population: Population Growth and Demographic Transition Theory Practical CC 1C: Unit II: Map Projection and Map interpretation 4. Interpretation of weather	3	Theory DSE-1A : GEOGRAPHY OF INDIA UNIT: 1 5. Mineral Resource – Iron ore and Bauxite	5
	CCIA Geomorphology and Cartography Unit 2: 4. Taylor's Climograph and	3		2		

			Perception Survey		Management Project Work Unit: 2	
Feb	Practical Surveying and Levelling Unit II: 2. Plane table survey by radiation method.	2	Theory CC – 1D Environmental Geography 3. Human-Environment Relationship in Mountain and Coastal Regions 4. Environmental Problems and Management: Air and Water Pollution Practical CC-1D ENVIRONMENTAL GEOGRAPHY 2. Soil Test using Kit : pH and Organic Carbon	5 5 5	Theory DSE- 1B : Disaster Management UNIT: 1 7. Cyclone: Causes, Consequences and Management SEC-4 : Collection, Mapping and Interpretation of Pedological Data 2. Representation of Soil Texture Data using Ternary Diagram Practical DSE- 1B : Disaster Management Project Work Unit: 2	2 6 5
Mar	Practical Surveying and Levelling Unit II: 2. Plane table survey by radiation method.	3	Theory CC-1D, ENVIRONMENTAL GEOGRAPHY 5. Environmental Programmes and Policies: MAB Practical CC-1D: ENVIRONMENTAL GEOGRAPHY 3. Mapping of Wetlands from Topographical Sheet	5 5	Theory DSE- 1B : Disaster Management UNIT: 1 8. Flood: Causes, Consequences and Management SEC-4 : Collection, Mapping and Interpretation of Pedological Data 3. Estimation of Nitrogen using Soil Kit Practical DSE- 1B : Disaster Management Project Work Unit: 2	2 7 5
Apr	Practical		Theory		Theory DSE- 1B : Disaster	

	Surveying and Levelling Unit II: 3. Open and close traversing by Prismatic Compass	5	CC-1D. ENVIRONMENTAL GEOGRAPHY 6. Forest and Wild Life Policy of India Practical CC-1D: ENVIRONMENTAL GEOGRAPHY 4. Mapping of Forest from Topographical Sheet	5 5	Management UNIT: 1 8. Flood: Causes, Consequences and Management SEC-4 : Collection, Mapping and Interpretation of Pedological Data 4. Estimation of Soil pH using Soil Kit Practical DSE- 1B ; Disaster Management Project Work Unit: 2	3 7 5
May	Practical Surveying and Levelling Unit II: 4. Drawing of longitudinal profile by Dumpy level Practice classes	5 5	Theory CC-1D. ENVIRONMENTAL GEOGRAPHY 7. Environmental Movements in India: Chipko Practice classes	5 5	SEC-4 : Collection, Mapping and Interpretation of Pedological Data 5. Estimation of Soil Organic Carbon using Soil Kit Practice classes	7 5
June	Special class	5	Theory CC-1D. ENVIRONMENTAL GEOGRAPHY 8. Wetlands: Ramsar Sites in India Special class	5 5	Theory DSE-3 (Theoretical): RESOURCE GEOGRAPHY Unit 2: 5. Contemporary Energy Crisis and Future Scenario 6. Sustainable Resource Development SEC-4 : Collection, Mapping and Interpretation of Pedological Data 6. Analysis and Mapping – pH and Organic Carbon	5 5 7

					Special class	5
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Hemanta Sutarudhas

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DEPARTMENT OF GEOGRAPHY
TEACHING PLAN OF CHAITALI GORAI
Geography (GENERAL/GE) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	Theory CCI-A: Geomorphology and Cartography 4. Landform development in arid regions	3	Theory CC 1C: Human Geography Unit 1: 1. Definition, Nature, Major Subfields, Contemporary Relevance	2	Theory DSE 1A : ECONOMIC GEOGRAPHY UNIT: 1 1. Scope and Content of Economic Geography 2. Von Thunen Theory of Land Use	5 5
Aug	Theory CCI-A: Geomorphology and Cartography 4. Landform development in arid regions	2	Theory CC 1C: Human Geography Unit 1: 1. Definition, Nature, Major Subfields, Contemporary Relevance	3	Theory DSE 1A : ECONOMIC GEOGRAPHY UNIT: 1 3. Theory of Industrial Location - Weber 4. Types of Farming	5 5
Sept	Theory CCI-A: Geomorphology and Cartography 5. Landform development in glaciated regions.	3	Theory CC 1C: Human Geography Unit 1: 2. Space and Society: Cultural Regions; Race; Religion and Language	3	Theory DSE 1A : ECONOMIC GEOGRAPHY UNIT: 1 5. Intensive Subsistence Farming and Plantation Agriculture	5 5
Oct	Theory CCI-A: Geomorphology and Cartography 5. Landform development in glaciated regions.	2	Theory CC 1C: Human Geography Unit 1: 2. Space and Society: Cultural Regions; Race; Religion and Language	2	Theory DSE 1A : ECONOMIC GEOGRAPHY UNIT: 1 6. Commercial Fishing	5
Nov	Theory CCI-A: Geomorphology and Cartography 6. Development of fluvial landforms	3	Theory CC 1C: Human Geography Unit 1: 7. Settlements: Types and Patterns of Rural Settlements; Practice classes	5 5	Theory DSE 1A : ECONOMIC GEOGRAPHY UNIT: 1 7. Mining (iron ore, coal and petroleum) Practice classes	5 5

Dec	Theory CCI-A: Geomorphology and Cartography	2	Theory Theory CC 1C: Human Geography Unit 1: 8. Classification of Urban Settlements; Functional classification of towns	5	Theory DSE 1A : ECONOMIC GEOGRAPHY UNIT: 1 8. Cotton Textile Industry, Petro- Chemical Industry	5
	6. Development of fluvial landforms		Special class		Special class	
Sem-II (G)			Sem-IV (G)		Sem-VI (G)	
Jan	Theory CC – 1B Climatology, Soil and Biogeography Unit I: 1. Elements of weather and climate. Thermal and chemical composition and layering of the atmosphere.	5			Theory DSE- 1B : Disaster Management UNIT: 1 1. Meaning and Classification of Hazards and Disasters.	3
	2. Horizontal and vertical distribution of temperature	5				
Feb	Theory CC – 1B Climatology, Soil and Biogeography Unit I: 3. Forms of precipitation and types of rainfall	5			Theory DSE- 1B : Disaster Management UNIT: 1 1. Meaning and Classification of Hazards and Disasters.	2
	4. Tropical and Temperate Cyclones, Climatic Classification (Koppen)	5				
Mar	Theory CC – 1B Climatology, Soil and Biogeography Unit I: 5. Definition of soil. Physical and chemical properties of soil (soil texture, colour and pH)	5			Theory DSE- 1B : Disaster Management UNIT: 1 2. Approaches to hazard study: Risk perception and vulnerability assessment.	2

Apr	<p>Theory CC - 1B Climatology, Soil and Biogeography Unit I: 6. Soil forming factors. Soil formation (Podzol and Laterite)</p>	5			<p>Theory DSE- 1B : Disaster Management UNIT: 1 2. Approaches to hazard study: Risk perception and vulnerability assessment.</p>	3
May	<p>Theory CC - 1B Climatology, Soil and Biogeography Unit I: 7. Definition of Biosphere and Biogeography, Meaning of Ecology, Ecosystem, Environment, Ecotone, Communities, Habitats and Biotopes.</p> <p>Practice classes</p>	5 5			<p>Theory DSE- 1B : Disaster Management UNIT: 1 3. Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building.</p> <p>Practice classes</p>	5 5
June	<p>Theory CC - 1B Climatology, Soil and Biogeography Unit I: 8. Biomes: Rainforest and Temperate Grassland.</p> <p>Special class</p>	5 5			<p>Theory DSE- 1B : Disaster Management UNIT: 1 4. Hazard mapping: Data and techniques.</p> <p>Special class</p>	5 5

For Chaitali Ghose
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DEPARTMENT OF GEOGRAPHY
TEACHING PLAN OF RANAJIT GHOSH
Geography (GENERAL/GE) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	<p>Theory: CCIA Geomorphology and Cartography Unit 1: 2. Lithosphere – Internal Structure of Earth based on Seismic Evidence,</p> <p>Practical CCIA Geomorphology and Cartography</p> <p>Unit 2: 1. Linear and Comparative scale</p>	3	<p>Practical CC 1C: Unit II: Map Projection and Map interpretation</p> <p>1. Simple Conical projection with one standard parallel</p>	3	<p>Practical SEC 1 – Computer Basics and Computer Applications 1. Numbering Systems; Binary Arithmetic</p>	5
Aug	<p>Theory: CCIA Geomorphology and Cartography Unit 1: 2. Lithosphere – Internal Structure of Earth based on Seismic Evidence,</p> <p>Practical CCIA Geomorphology and Cartography Unit 2: 1. Linear and Comparative scale</p>	2	<p>Practical CC 1C: Unit II: Map Projection and Map interpretation</p> <p>1. Simple Conical projection with one standard parallel</p>	2	<p>Practical SEC 1 – Computer Basics and Computer Applications 2. Data Computation, Storing and Formatting in Spreadsheets; Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation,</p>	3
Sept	<p>Theory: CCIA Geomorphology and Cartography Unit 1: 3. Plate Tectonics and its associated landforms</p> <p>Practical CCIA Geomorphology and Cartography Unit 2:</p>	3	<p>Practical CC 1C: Unit II: Map Projection and Map interpretation</p> <p>2. Cylindrical Equal Area projection</p>	2	<p>Practical SEC 1 – Computer Basics and Computer Applications 2. Data Computation, Storing and Formatting in Spreadsheets;</p>	5

	2. Proportional diagrams: Circles and squares	3			Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.	
Oct	Theory: Theory: CCIA Geomorphology and Cartography Unit I: 3. Plate Tectonics and its associated landforms	3	Practical CC 1C: Unit II: Map Projection and Map interpretation 2. Cylindrical Equal Area projection	2	Practical SEC 1 – Computer Basics and Computer Applications 3. Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram	3
	Practical CCIA Geomorphology and Cartography Unit 2: 2. Proportional diagrams: Circles and squares	2				
Nov	Practice classes	5	Practice classes	5	Practical SEC 1 – Computer Basics and Computer Applications 3. Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram Practice classes	2 5
Dec	Special class	5	Special class	5	Practical SEC 1 – Computer Basics and Computer Applications 4. Internet Surfing: Generation and extraction of information Special class	5 5
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
Jan	Theory CC 2 Unit I:		SEC-2: Regional Planning and Development		Theory DSE- 1B : Disaster Management	

	5. Definition of soil, Physical and chemical properties of soil (soil texture, colour and pH)	5	1. Definition of Region; Types of Regions.	5	UNIT: 1 5. Earthquake: Causes, Consequences and Management	3
Feb	Theory CC 2 Unit I: 6. Soil forming factors: Soil formation (Pedzol and Laterite)	5	SEC-2: Regional Planning and Development 2. Regional Planning – Concept and Significance 3. Human Development Index – Concept and Indicators	5 2	Theory DSE- 1B : Disaster Management UNIT: 1 5. Earthquake: Causes, Consequences and Management	2
Mar	Theory CC 2 Unit I: 7. Definition of Biosphere and Biogeography. Meaning of Ecology, Ecosystem, Environment, Ecotone, Communities, Habitats and Biotopes.	5	SEC-2: Regional Planning and Development 3. Human Development Index – Concept and Indicators 4. Agricultural Development in India Since 1970s	3 5	Theory DSE- 1B : Disaster Management UNIT: 1 8. Flood: Causes, Consequences and Management SEC-4 : Collection, Mapping and Interpretation of Pedological Data 3. Estimation of Nitrogen using Soil Kit Practical DSE- 1B : Disaster Management Project Work Unit: 2	2 7 5
Apr	Theory CC 2 Unit I: 8. Biomes: Rainforest and Temperate Grassland.	5	SEC-2: Regional Planning and Development 5. Industrial Development in India Since 1990s 6. Planning Region: DVC	5 3	Theory DSE- 1B : Disaster Management UNIT: 1 6. Landslide: Causes, Consequences and Management	3
May	Practice classes	5	SEC-2: Regional Planning and Development 6. Planning Region: DVC 7. Preparation of Questionnaire on Sanitation and Health	2 5	Theory DSE- 1B : Disaster Management UNIT: 1 6. Landslide: Causes, Consequences and Management Practice classes	2 5
June	Special class	5	SEC-2: Regional Planning and Development 8. Preparation of	5	Special class	5

			Questionnaire on Waste Management.			
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DEPARTMENT OF MASS COMMUNICATION AND JOURNALISM
TEACHING PLAN OF BAHNISIKHA GHOSH
MASS COMMUNICATION AND JOURNALISM (Honours) (Jan 2022 – June 2022)

Month	Sem-II (H)	No. of Classes	Sem-IV (H)	No. of Classes	Sem-V (H)	No. of Classes
JAN	<p>Theory:</p> <p>CC 4: Development of Media in India and Bengal</p> <p>Unit 2: Indian Press – Some Major Journals and Newspapers of PreIndependence days</p> <p>Bengal Gazette and James Augustus Hickey, Samachar Darpan, Calcutta Journal and James Silk Buckingham, Sambad Kaumudi</p> <p>Remedial session</p>	11	<p>Theory:</p> <p>CC 10 : Media Ethics and the Law</p> <p>Unit-I Ethical Framework And Media practice</p> <p>Constitution of India Indian Penal Code, 1860</p> <p>Freedom of expression Article 19(1)(a) and article 19 (2)</p> <p>Freedom of expression and defamation- Libel and slander</p> <p>Issues of privacy and Surveillance in Society</p> <p>Right to Information</p> <p>Working journalist act</p> <p>Contempt of court</p> <p>Remedial session</p>	15	<p>Practical:</p> <p>DSE 4: Community Outreach Programme</p> <p>Step I: Ethnographic studies Participatory development Sustainable development Community outreach programme</p> <p>Problem identification Literature review</p> <p>Remedial session</p>	10

FEB	<p>Theory:</p> <p>CC 4: Development of Media in India and Bengal</p> <p>Unit II: Contd.</p> <p>Samachar Chandrika, Bengal Spectator, Parthenon , Gyananweshan , SambadPravakar , Yugantar</p> <p>Remedial session</p>	10	<p>Theory:</p> <p>CC 10 : Media Ethics and the Law</p> <p>Unit 2: Media Technology and Ethical Parameters</p> <p>Live reporting and ethics Legality Ethicality of Sting Operations, Discussion of Important cases-eg-Operation Westend Phone Tapping etc Ethical issues in Social media (IT Act 2000, Sec66A and the verdict of The supreme court) Some Related laws- Relevant sections of Broadcast Bill, NBA guidelines</p> <p>Remedial session</p>	14	<p>Practical:</p> <p>DSE 4: Community Outreach Programme</p> <p>Step II:</p> <p>Research question Hypothesis Research design Remedial session</p>	7
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MAR	<p>Theory:</p> <p>CC 4: Development of Media in India and Bengal</p> <p>Unit 3:</p> <p>Role of Derozio ,</p> <p>Sishir Basu & Amritabazar Patrika ,</p> <p>Harish Chandra Mukhopadhyay & Hindoo Patriot</p> <p>Remedial session</p>	10	<p>Theory:</p> <p>CC 10: Media Ethics and the Law</p> <p>Unit 3- Representation and ethics</p> <p>Advertisement and Women Pornography</p> <p>Related Laws and case studies: Indecent Representation D12:D13of Women (Prohibition) Act, 1986 and rules1987, Protection of Women against Sexual Harassment Bill,2007, Sec67 of ITAct 2000 and Section 292, 293, 294 of IPC</p> <p>Remedial session</p>	16	<p>Practical:</p> <p>DSE 4: Community Outreach Programme</p> <p>Step III:</p> <p>Data collection:</p> <p>Survey</p> <p>Focus group discussion</p> <p>Personal interview</p> <p>Remedial session</p>	9
APRIL	<p>Theory:</p> <p>CC 4: Development of Media in India and Bengal</p> <p>Unit 3: Contd.</p> <p>Brahmabandhab Upadhyay,</p> <p>Raja Rammohan Roy,</p> <p>Gandhiji as a political communicator, journalist and editor</p> <p>Remedial session</p>	9	<p>Theory:</p> <p>CC 10: Media Ethics and the Law</p> <p>Unit 4: Media and Regulation</p> <p>Regulatory bodies, Codes and Ethical Guidelines</p> <p>Self Regulation</p> <p>MediaContent- DebatesonmoralityandAccountability: Taste,CultureandTaboo</p> <p>Censorship and media debates</p> <p>Remedial session</p>	13	<p>Practical:</p> <p>DSE 4: Community Outreach Programme</p> <p>Step IV:</p> <p>Data presentation through pie chart, bar chart etc</p> <p>Data analysis</p> <p>Remedial session</p>	7

MAY	<p>Theory:</p> <p>CC 3: Reporting and Editing for Print</p> <p>UNIT 2: Interviewing/Types of news leads</p> <p>Interviewing: doing the research, setting up the interview, conducting the interview</p> <p>News Leads/intros,</p> <p>Structure of the News Story–Inverted Pyramid style;</p> <p>Lead: importance, types of lead; body of the story;</p> <p>Attribution, verification</p> <p>Remedial session</p>	12	<p>Theory:</p> <p>CC 10: Media Ethics and the Law</p> <p>Unit 5: Media and Social Responsibility</p> <p>Economic Pressures</p> <p>Media reportage of marginalized sections- children, dalits, tribals,</p> <p>Gender Media coverage of violence and related laws - inflammatory writing(IPC353)</p> <p>Sedition- incitement to violence, hate speech.</p> <p>RelevantCaseStudies on defamation, contempt of court</p> <p>Remedial session</p>	15	<p>Practical:</p> <p>DSE 4: Community Outreach Programme</p> <p>Step V:</p> <p>Objective wise data interpretation</p> <p>Findings Conclusion Further Suggestion</p> <p>Remedial session</p>	9
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JUNE	<p>Theory:</p> <p>CC 3: Reporting and Editing for Print</p> <p>Unit II: Contd.</p> <p>Articles, features, types of features and human interest stories, leads for features, difference between articles and features.</p> <p>Mock test 1 of 60 marks and question discussion after Mock test</p> <p>Mock test 2 of 60 marks and question discussion after Mock test</p>	10	<p>Mock test:</p> <p>Mock test 1 of 60 marks and question discussion after Mock test</p> <p>Mock test 2 of 60 marks and question discussion after Mock test</p> <p>Mock test 3 of 60 marks and question discussion after Mock test</p> <p>Mock test 4 of 60 marks and question discussion after Mock test</p> <p>Mock test 5 of 60 marks and question discussion after Mock test</p>	10	<p>Practical:</p> <p>DSE 4: Community Outreach Programme</p> <p>Step VI:</p> <p>Sorting out references Report Presentation</p>	7
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DEPARTMENT OF MASS COMMUNICATION AND JOURNALISM
TEACHING PLAN OF BAHNISIKHA GHOSH
MASS COMMUNICATION AND JOURNALISM (Honours) (July 2021 – Dec 2021)

Month	Sem-I (H)	No. of Classes	Sem-III (H)	No. of Classes	Sem-V (H)	No. of Classes
JULY	Theory: CC2: Introduction to Media and Communication Unit II: Communication and Mass Communication Definition of Communication and its Process Forms of Communication: Verbal and Non-verbal Communication Levels of communication: Intra, Inter, Group, Organizational Remedial session	10	Theory: CC 5: Introduction to Broadcast Media: Radio Unit I: Development of Radio Concept of wireless communication, Electromagnetic wave Radio's characteristics as an audio medium Evolution of radio in India and around the world AIR and its role a medium of mass communication , AIR, BBC,VOA-management and comparative profile , Internet radio, HAM Radio Remedial session	12	Theory: DSE 1: Communication Research & Methodology Unit I: Introduction to Research concept of research and it's methodology Communication research Basic and Applied Research, scientific approach, Role of Theory in research, Steps of Research: Research question Hypothesis Literature Review Research Design Data Collection Data presentation Data analysis Remedial session	11

AUG	<p>Theory: CC2: Introduction to Media and Communication Unit II: Communication and Mass Communication Levels of communication: Public Communication, Mass line Communication, Mass Communication and its Process Model vs Theory (Linear to Non-linear) Aristotle's Model of Communication Laswell Model Shanon Weaver Model SMCR Model Wilbur Schramm model Remedial session</p>	11	<p>Theory: CC 5: Introduction to Broadcast Media: Radio Unit 2- Radio news Types of radio news bulletins and their structures, Style and presentation of Radio news , News reader- qualities and duties , Radio newsroom- structure and function , OB VAN, News production, Live broadcasting, News Service Division Remedial session</p>	15	<p>Theory: DSE 1: Communication Research & Methodology Unit II: Methods of Media Research Variables and its types Qualitative- Quantitative Technique, Content Analysis, Survey Method, Observation Methods, Experimental Studies, Case Studies, Narrative Analysis, Historical research. Remedial session</p>	12
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SEPT	<p>Theory:</p> <p>CC2: Introduction to Media and Communication</p> <p>Unit II: Communication and Mass Communication</p> <p>Normative Theories of the Press: Authoritarian theory Libertarian theory Communist media theory Social responsibility theory</p> <p>Media and the Public Sphere: Formation of public sphere (State, market and civil society) And the formation of public opinion</p> <p>Remedial session</p>	12	<p>Theory:</p> <p>CC 5: Introduction to Broadcast Media: Radio</p> <p>Unit 3: Radio Programme</p> <p>Radio interview, Types format of the interview, Panel discussion, Radio talk, Radio features, Radio package, Illustrated reading, Storytelling</p> <p>Remedial Session</p>	13	<p>Theory:</p> <p>DSE 1: Communication Research & Methodology</p> <p>Unit III: Sampling</p> <p>Sampling, Need for Sampling, Representativeness of the Samples, Universe and Population Sampling Methods, Probability sampling and its types</p> <p>Non probability sampling and its types</p> <p>Sampling Error and Non sampling Error</p> <p>Remedial session</p>	11
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OCT	<p>Theory:</p> <p>CC1: Introduction to Journalism</p> <p>Unit II: Different Forms of print-Ahistorical Perspective</p> <p>Yellow journalism Penny press Tabloid press</p> <p>Reporters-Print to electronic to digitalization</p> <p>Remedial session</p>	7	<p>Theory:</p> <p>CC 5: Introduction to Broadcast Media: Radio</p> <p>Unit 4: Radio Production & editing</p> <p>Art of scripting,</p> <p>Uses, norms of microphones, different forms of microphones,</p> <p>Acoustic treatment of audio studio</p> <p>Remedial session</p>	10	<p>Theory:</p> <p>DSE 1: Communication Research & Methodology</p> <p>Unit II: Contd.</p> <p>Tools of data collection: Primary and Secondary data-</p> <p>Questionnaire: Open and close-ended question</p> <p>Focus Group Discussion Interview Fieldwork through Surveys,</p> <p>Telephonic surveys, Online Polls, Published and Unpublished work.</p> <p>Remedial session</p>	8
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NOV	<p>Theory:</p> <p>CC1: Introduction to Journalism</p> <p>Unit II: Different Forms of print-Ahistorical Perspective</p> <p>Citizen journalism-from letter to the editor to WhatsApp</p> <p>Robert Gunning: Principles of clear writing</p> <p>Rudolf Flesch: Readability Test</p> <p>Remedial session</p>	9	<p>Theory:</p> <p>CC 5: Introduction to Broadcast Media: Radio</p> <p>Unit 4: Contd.</p> <p>Digital editing- sound card etc ,</p> <p>Uses of Sound effects, Digital Editing consoles, audio mixing techniques</p> <p>Digital editing through Sound Wrap- up, crossfade ,</p> <p>Editor & Editing- dos and don'ts ,</p> <p>Production and post-production,</p> <p>Radio programme budget</p> <p>Remedial session</p>	13	<p>Theory:</p> <p>DSE 1: Communication Research & Methodology</p> <p>Unit IV: Methods of Analysis and report writing</p> <p>Data Analysis Techniques; Coding and Tabulation, Non-Statistical Methods: Descriptive and Historical Method</p> <p>Working with Archives</p> <p>Library Research</p> <p>Working with the Internet as a source</p> <p>Writing Citations, Bibliography</p> <p>Writingtheresearchreport</p> <p>Remedial session</p>	12
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DEC	<p>Theory: CC1: Introduction to Journalism Unit III: Understanding the Structure and Construction of News Organising a news story, Inverted pyramid (5W's and 1H) Criteria for newsworthiness, Principles of news selection Use of archives, sources of news, use of internet Mock test 1 of 60 marks and question discussion after Mock test Mock test 2 of 60 marks and question discussion after Mock test</p>	7	<p>Theory: CC 5: Introduction to Broadcast Media: Radio Unit 5: FM broadcasting Emergences of Public & Private FM in India, Format of FM Programme Popularity and acceptance of FM among the audience, Market potentiality of FM programme, Radio in rural India Community radio- scope and applications Community Radio in India, Nepal & Bangladesh, Content and coverage of rural based programme in Radio Mock test 1 of 60 marks and question discussion after Mock test Mock test 2 of 60 marks and question discussion after Mock test</p>	13	<p>Theory: DSE 1: Communication Research & Methodology Unit V: Ethnographies and other Methods Readership and Audience Surveys Ethnographies, textual analysis, discourse analysis Ethical Perspectives of mass media research Mock test 1 of 60 marks and question discussion after Mock test Mock test 2 of 60 marks and question discussion after Mock test</p>	12
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Bahisika Ghosh
**Department of Mass Communication
and Journalism**
Suri Vidyasagar College
P.O.-Suri, Dist.-Birbhum, W.B.-731101

	Revise Practical Class	1			expression Prokaryotes:Lac operon and Tryptophan operon ; and in Eukaryotes. Practical DSE-1B: Cell Biology, Genetics and Molecular Biology 7. Measure the cell size (either length or breadth/diameter) by micrometry.	1
June	Practical (Generic: Zoology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy Revise Practical Class	1	Practical (Generic: Zoology Hons.) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical Class	1	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Doubt clearing class Practical DSE-1B: Cell Biology, Genetics and Molecular Biology Revise Practical Class	1 1

Head of the Department,
Department of Botany,
Suri Vidyasagar College

TEACHING PLAN OF DR. HEMANTA SAHA
(Assistant Professor)
Botany (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	Practical(Generic: Zoology Hons.) CC1A/GE-1: Biodiversity 1. Dissection (where necessary), mounting, description, drawing and identification of the following genera: a. Algae: <i>Nostoc</i> , <i>Oedogonium</i> , <i>Chara</i> .	3	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 7: Embryo and endosperm-Endosperm types Practical (Generic: Zoology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 3. Stem: Monocot: <i>Zea mays</i> ; Dicot: <i>Helianthus</i> ; Secondary: <i>Helianthus</i> (only Permanent slides).	2 2	NIL	NIL
Aug	Practical(Generic: Zoology Hons.) CC1A/GE-1: Biodiversity 1. Dissection (where necessary), mounting, description, drawing and identification of the following genera: b. Fungi: <i>Ascobolus</i> , <i>Puccinia</i> (Uredosorus and teleutosorus).	3	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 7: Embryo and endosperm-structure and functions Practical (Generic: Zoology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 4. Root: Monocot: <i>Zea mays</i> ; Dicot: <i>Helianthus</i> ; Secondary: <i>Helianthus</i> (only Permanent slides).	2 2	NIL	NIL
Sept	Practical(Generic: Zoology Hons.) CC1A/GE-1: Biodiversity 1. Dissection (where necessary), mounting, description, drawing and identification of the following genera: c. Bryophytes: <i>Riccia</i> , <i>Marchantia</i> and <i>Funaria</i> .	3	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 7: Embryo and endosperm-Dicot and monocot embryo Practical (Generic: Zoology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 5. Leaf: Dicot and Monocot leaf (only Permanent slides)	2 2	NIL	NIL
Oct	Practical(Generic: Zoology Hons.) CC1A/GE-1: Biodiversity 4. Microbiology: Sterilization techniques.; Simple staining of Bacteria with methylene blue/Carbol Fuchsin – Curd	2	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 7: Embryo and endosperm-Embryo-endosperm relationship. Practical (Generic: Zoology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 6. Adaptive anatomy: Xerophyte (<i>Nerium</i> leaf); Hydrophyte (<i>Hydrilla</i> stem).	2 2	NIL	NIL
Nov	Practical(Generic: Zoology Hons.) CC1A/GE-1: Biodiversity Revised Practical class	1	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Generic: Zoology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 9. Pollination types and seed dispersal mechanisms (including appendages, aril, caruncle) (Photographs and specimens).	1 2	NIL	NIL
Dec	Practical(Generic: Zoology Hons.) CC1A/GE-1: Biodiversity Revised Practical	1	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Generic: Zoology	1	NIL	NIL

	class		Hons.) CC1C/GE-3: Plant Anatomy and Embryology Revised Practical class	1		
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
Jan	Practical (Generic: Zoology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Papilionaceae, Apocynaceae,	4	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 1: Plant-water relations - Importance of water Practical (Bio General) CC1D/GE-4Plant Physiology and Metabolism: 5. To study the effect of light intensity and bicarbonate concentration on O ₂ evolution in photosynthesis. Theory SEC2: Medicinal Botany Unit 2: Conservation of endangered and endemic medicinal plants. Definition: endemic and endangered medicinal plants	2 2 2	NIL	NIL
Feb	Practical (Generic: Zoology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Labiatae, Solanaceae.	4	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 1: Plant-water relations - water potential and its components Practical (Bio General) CC1D/GE-4Plant Physiology and Metabolism: 6. Comparison of the rate of respiration in any two parts of a plant. Theory SEC2: Medicinal Botany Unit 2: Conservation of endangered and endemic medicinal plants. Red list criteria; in-situ conservation: Biosphere reserves,sacred groves	2 2 2	NIL	NIL
Mar	Practical (Generic: Zoology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 2. Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).	2	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 1: Plant-water relations - Transpiration and its significance; Practical (Bio General) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical Class Theory SEC2: Medicinal Botany Unit 2: Conservation of endangered and endemic medicinal plants. National Parks; ex-situ conservation: Botanic Gardens, Ethnomedicinal plant Gardens.	2 1 2	NIL	NIL
Apr	Practical (Generic: Zoology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 3. Ecological adaptations of some species: <i>Nerium</i> leaf	2	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 1: Plant-water relations - Root pressure and guttation Practical (Bio General) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical Class Theory SEC2: Medicinal Botany Unit 2: Conservation of	2 1 2	NIL	NIL

			endangered and endemic medicinal plants. Propagation of Medicinal Plants: Objectives of the nursery, its classification.			
May	3. Ecological adaptations of some species: <i>Vanda</i> root	2	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 8: Plant growth regulators - Discovery and physiological roles of auxins, gibberellins Practical (Bio General) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical Class Theory SEC2: Medicinal Botany Doubt clearing class	3 1 1	NIL	NIL
June	Practical (Generic: Zoology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy Revised Practical class	1	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 8: Plant growth regulators - Discovery and physiological roles of cytokinins, ABA, ethylene. Practical (Bio General) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical Class Theory SEC2: Medicinal Botany Doubt clearing class	3 1 1	NIL	NIL

Head of the Department,
Department of Botany,
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TEACHING PLAN OF DR. SANDIPAN CHATTERJEE

(Assistant Professor)

Botany (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	Theory CC1A/GE-1: Biodiversity Unit 3: Fungi- Introduction- General characteristics, ecology and significance Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 1. Dissection (where necessary), mounting, description, drawing and identification of the following genera: a. Algae: <i>Nostoc</i> , <i>Oedogonium</i> , <i>Chara</i> .	2	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 3: Secondary Growth- Vascular cambium – structure and function, seasonal activity. Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 1. Study of meristems through permanent slides and photographs. Theory SEC1: Biofertilizers Unit 1: General account about the microbes used as biofertilizer – <i>Rhizobium</i> – isolation, identification, mass multiplication, carrier based inoculants, Actinorrhizal symbiosis.	4	NIL	NIL
		3		2		
				4		
Aug	Theory CC1A/GE-1: Biodiversity Unit 3: Fungi- range of thallus organization, cell wall composition, nutrition, reproduction and classification; True Fungi- General characteristics, ecology and significance Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 1. Dissection (where necessary), mounting, description, drawing and identification of the following genera: b. Fungi: <i>Ascobolus</i> , <i>Puccinia</i> (Uredosorus and teleutosorus).	2	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 3: Secondary Growth- Secondary growth in root and stem, Wood (heartwood and sapwood). Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 2. Tissues (parenchyma, collenchyma and sclerenchyma); Macerated xylary elements, Phloem (Permanent slides, photographs) Theory SEC1: Biofertilizers Unit 2: <i>Azospirillum</i> : isolation and mass multiplication – carrier based inoculant, associative effect of different microorganisms.	4	NIL	NIL
		2		2		
				4		
Sept	Theory CC1A/GE-1: Biodiversity Unit 3: Fungi- life cycle of <i>Rhizopus</i> (<i>Zygomycota</i>) <i>Ascobolus</i> (<i>Ascomycota</i>) Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 1. Dissection (where necessary), mounting,	2	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 4: Adaptive and protective system- Epidermis, cuticle, stomata; Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 3. Stem: Monocot: <i>Zea mays</i> ; Dicot: <i>Helianthus</i> ; Secondary: <i>Helianthus</i> (only Permanent slides). Theory SEC1: Biofertilizers Unit 2: <i>Azotobacter</i> :	4	NIL	NIL
		3		2		
				4		

	description, drawing and identification of the following genera: c. Bryophytes: <i>Riccia</i> , <i>Marchantia</i> and <i>Funaria</i> .		classification, characteristics – cropresponse to <i>Azotobacter</i> inoculum, maintenance and mass multiplication.			
Oct	Theory CC1A/GE-1: Biodiversity Unit 3: Fungi- life cycle of <i>Puccinia</i> , <i>Agaricus</i> (Basidiomycota); Symbiotic Associations- Lichens: General account, reproduction and significance Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 4. Microbiology: Sterilization techniques.; Simple staining of Bacteria with methylene blue/Carbol Fuchsin – Curd	2 2	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 4: Adaptive and protective system- General account of adaptations in xerophytes and hydrophytes. Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 4. Root: Monocot: <i>Zea mays</i> ; Dicot: <i>Helianthus</i> ; Secondary: <i>Helianthus</i> (only Permanent slides). Theory SEC1: Biofertilizers Unit 3:Cyanobacteria (blue green algae),AzollaandAnabaenaazollae association, nitrogenfixation, factors affecting growth, blue green algae and Azolla in rice cultivation.	4 2 4	NIL	NIL
Nov	Theory CC1A/GE-1: Biodiversity Unit 3: Fungi- Mycorrhiza: ectomycorrhiza and endomycorrhiza and their significance Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity Revise Practical Class	3 1	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 5. Leaf: Dicot and Monocot leaf (only Permanent slides) Theory SEC1: Biofertilizers Doubt clearing class	1 2 1	NIL	NIL
Dec	Theory CC1A/GE-1: Biodiversity Doubt clearing class Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity Revise Practical Class	1 1	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology Revise Practical Class Theory SEC1: Biofertilizers Doubt clearing class	1 1 1	NIL	NIL
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
Jan	Practical (Generic: Physiology & Microbiology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Malvaceae,	2	Theory CC1D/GE-4Plant Physiology and Metabolism: Unit 3: Translocation in phloem - Composition of phloem sap, girdling experiment Practical (Generic: Physiology & Microbiology Hons.) CC1D/GE-4Plant Physiology and Metabolism: 1. Determination of osmotic potential of plant cell sap by plasmolytic method.	3 2	NIL	NIL
Feb	Practical (Generic:		Theory		NIL	NIL

TEACHING PLAN OF DR. ANIRBAN PAUL

(Assistant Professor)

Botany (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	<p>Theory CC1A/GE-1: Biodiversity Unit 7: Gymnosperms- General characteristics, classification. Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 2. Dissection, mounting, description, drawing, labeling and identification of the following genera: a. Pteridophytes: <i>Lycopodium</i> (stem), <i>Selaginella</i> (stem)</p>	2 2	<p>Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 6: Pollination and fertilization Pollination mechanisms and adaptations; Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 6. Adaptive anatomy: Xerophyte (<i>Nerium</i> leaf); Hydrophyte (<i>Hydrilla</i> stem).</p>	4 2	<p>Theory DSE-1A: Economic Botany and Biotechnology Unit 8: Introduction to biotechnology- History, Derinition, aim and scope, Contribution of Indian Scientist Unit 9: Plant tissue culture - Micropropagation Practical DSE-1A: Economic Botany and Biotechnology 2.Familiarization with basic equipments in tissue culture.</p>	2 3 2
Aug	<p>Theory CC1A/GE-1: Biodiversity Unit 7: Gymnosperms- morphology, anatomy and reproduction of <i>Cycas</i> Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 2. Dissection, mounting, description, drawing, labeling and identification of the following genus: a. Pteridophytes: <i>Pteris</i> (leaflet).</p>	2 1	<p>Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 6: Double fertilization; Seed-structure appendages and dispersal mechanisms. Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 7. Types of ovules: anatropous, orthotropous, circinotropous, amphitropous/ campylotropous – Through Permanent Slides/Photographs</p>	4 2	<p>Theory DSE-1A: Economic Botany and Biotechnology Unit 9: Plant tissue culture - haploid production through androgenesis and gynogenesis; brief account of embryo& endosperm culture with their applications Practical DSE-1A: Economic Botany and Biotechnology 3.Study through photographs: Anther culture, somatic embryogenesis</p>	5 2
Sept	<p>Theory CC1A/GE-1: Biodiversity Unit 7: Gymnosperms- morphology, anatomy and reproduction of <i>Cycas</i> Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 2. Dissection, mounting, description, drawing, labeling and identification of the following genera: a. Pteridophytes: b. Gymnosperms: <i>Cycas</i> leaflet, <i>Pinus</i> needle.</p>	2 2	<p>Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 8: Apomixis and polyembryony- Definition, types Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 8. Female gametophyte: <i>Polygonum</i> (monosporic) type of Embryo sac Development (Permanent slides/photographs).</p>	4 2	<p>Theory DSE-1A: Economic Botany and Biotechnology Unit 10: Recombinant DNA Technique - Enzymes in Recombinant DNA Technology, Practical DSE-1A: Economic Botany and Biotechnology 3.Study through photographs: endosperm and embryo culture; micropropagation.</p>	5 2
Oct	<p>Theory CC1A/GE-1: Biodiversity Unit 7: Gymnosperms- morphology, anatomy and reproduction of</p>	2	<p>Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 8: Apomixis and polyembryony- practical applications.</p>	4	<p>Theory DSE-1A: Economic Botany and Biotechnology Unit 10: Recombinant DNA Technique - cloning vector, DNA library, PCR,</p>	5

	<i>Pinus</i> . Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity 3. Identification of all above mentioned genera in theoretical syllabus from permanent slides	1	Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology 9. Pollination types and seed dispersal mechanisms (including appendages, aril, caruncle) (Photographs and specimens).	2	Practical DSE-1A: Economic Botany and Biotechnology 4. Basic Conception generation about molecular techniques: PCR, Blotting techniques	2
Nov	Theory CC1A/GE-1: Biodiversity morphology, anatomy and reproduction of <i>Pinus</i> . Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity Revise Practical Class	2	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class. Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology Revise Practical Class	1	Theory DSE-1A: Economic Botany and Biotechnology Unit 10: Recombinant DNA Technique - DNA Fingerprinting Practical DSE-1A: Economic Botany and Biotechnology 4. Basic Conception generation about molecular techniques: AGE and PAGE-Protocol	5
		1		1		2
Dec	Theory CC1A/GE-1: Biodiversity Unit 7: Gymnosperms- Doubt clearing class Practical (Generic: Physiology & Microbiology Hons.) CC1A/GE-1: Biodiversity Revise Practical Class	1	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class. Practical (Generic: Physiology & Microbiology Hons.) CC1C/GE-3: Plant Anatomy and Embryology Revise Practical Class	1	Theory DSE-1A: Economic Botany and Biotechnology Unit 10: Recombinant DNA Technique - application of Recombinant DNA Technique Practical DSE-1A: Economic Botany and Biotechnology Revise Practical Class	3
		1		1		1
Jan	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 6 Plant taxonomy - Identification, Classification, Nomenclature. Practical (Generic: Physiology & Microbiology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Papilionaceae, Apocynaceae,	2	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 2: Mineral nutrition - Essential elements, macro and micronutrients; Criteria of essentiality of elements; Role of essential elements; Transport of ions across cell membrane, active and passive transport, carriers, channels and pumps Practical (Generic: Physiology & Microbiology Hons.) CC1D/GE-4 Plant Physiology and Metabolism: 4. Demonstration of Hill reaction.	4	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 2: Cell as a unit of Life 20 The Cell Theory; Prokaryotic and eukaryotic cells; Cell size and shape; Eukaryotic Cell components. Unit 3: Linkage and Crossing over Linkage: concept & history, complete & incomplete linkage, bridges experiment, coupling & repulsion, recombination frequency, linkage maps based on two and three factor crosses. Crossing over: concept and significance, cytological proof of crossing over. Practical DSE-1B: Cell Biology, Genetics and Molecular Biology 2. Study of the photomicrographs of cell organelles	2
		2		2		4
Feb	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 7 Identification - Functions of Herbarium, important herbaria and botanical gardens of the world and India; Documentation: Flora, Keys: single access and	4	Theory CC1D/GE-4 Plant Physiology and Metabolism: Unit 2: Mineral nutrition - Essential elements, macro and micronutrients; Criteria of essentiality of elements; Role of essential elements; Transport of ions across cell membrane, active and passive transport, carriers,	4	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 5: Cell Organelles Mitochondria: Structure, marker enzymes, composition; Semiautonomous nature Practical	4

	<p>multi-access Practical (Generic: Physiology & Microbiology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Labiatae, Solanaceae.</p>	2	<p>channels and pumps Practical (Generic: Physiology & Microbiology Hons.) CC1D/GE-4Plant Physiology and Metabolism: 5. To study the effect of light intensity and bicarbonate concentration on O₂ evolution in photosynthesis.</p>	2	<p>DSE-1B: Cell Biology, Genetics and Molecular Biology 5. Study of mitosis and meiosis (temporary mounts and permanent slides).</p>	2
Mar	<p>Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 8 Taxonomic evidences - Taxonomic evidences from palynology, cytology, phytochemistry and molecular data. Practical (Generic: Physiology & Microbiology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 2. Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).</p>	3 2	<p>Theory CC1D/GE-4Plant Physiology and Metabolism: Unit 4: Photosynthesis - Photosynthetic Pigments (Chl a, b, xanthophylls, carotene); Photosystem I and II, reaction center, antenna molecules; Electron transport and mechanism of ATP synthesis; C3, C4 and CAM pathways of carbon fixation; Photorespiration. Practical (Generic: Physiology & Microbiology Hons.) CC1D/GE-4Plant Physiology and Metabolism: 6. Comparison of the rate of respiration in any two parts of a plant</p>	6 2	<p>Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 5: Cell Organelles Symbiont hypothesis; Proteins synthesized within mitochondria; mitochondrial DNA. Practical DSE-1B: Cell Biology, Genetics and Molecular Biology 8. Study the structure of nuclear pore complex by photograph (from Gerald Karp) Study of special chromosomes (polytene & lampbrush) either by slides or photographs.</p>	4 2
Apr	<p>Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 8 Taxonomic evidences - Taxonomic evidences from palynology, cytology, phytochemistry and molecular data. Practical (Generic: Physiology & Microbiology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 3. Ecological adaptations of some species: <i>Nerium</i> leaf</p>	3 1	<p>Theory CC1D/GE-4Plant Physiology and Metabolism: Unit 4: Photosynthesis - Photosynthetic Pigments (Chl a, b, xanthophylls, carotene); Photosystem I and II, reaction center, antenna molecules; Electron transport and mechanism of ATP synthesis; C3, C4 and CAM pathways of carbon fixation; Photorespiration. Practical (Generic: Physiology & Microbiology Hons.) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical class</p>	6 1	<p>Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 5: Cell Organelles Chloroplast Structure, marker enzymes, composition; semiautonomous nature, chloroplast DNA. ER, Golgi body & Lysosomes: Structures and roles. Peroxisomes and Glyoxisomes: Structures, composition, functions in animals and plants and biogenesis. Practical DSE-1B: Cell Biology, Genetics and Molecular Biology 9. Study DNA packaging by micrographs.</p>	4 2
May	<p>Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 9 Taxonomic hierarchy -Ranks, categories and taxonomic groups Practical (Generic: Physiology & Microbiology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy 3. Ecological adaptations of some species: <i>Vanda</i> root</p>	2 1	<p>Theory CC1D/GE-4Plant Physiology and Metabolism: Unit 9: Plant response to light and temperature - Photoperiodism (SDP, LDP, Day neutral plants); Phytochrome (discovery and structure), red and farred light responses on photomorphogenesis; Vernalization. Practical (Generic: Physiology & Microbiology Hons.) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical class</p>	3 1	<p>Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 5: Cell Organelles Nucleus: Nuclear Envelope structure of nuclear pore complex; chromatin; molecular organization, DNA packaging in eukaryotes, euchromatin and heterochromatin, nucleolus and ribosome structure (brief). Practical DSE-1B: Cell Biology, Genetics and Molecular Biology 10. Preparation of the karyotype and ideogram from given photograph of somatic metaphase chromosome.</p>	4 2

June	Theory CC1B/GE-2: Plant Ecology and Taxonomy Doubt clearing class Practical (Generic: Physiology & Microbiology Hons.) CC1B/GE-2: Plant Ecology and Taxonomy Revise Practical class	2	Theory CC1D/GE-4Plant Physiology and Metabolism: Unit 9: Plant response to light and temperature - Photoperiodism (SDP, LDP, Day neutral plants); Phytochrome (discovery and structure), red and farred light responses on photomorphogenesis; Vernalization. Practical (Generic: Physiology & Microbiology Hons.) CC1D/GE-4Plant Physiology and Metabolism: Revise Practical class	3	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 7: Cell Cycle Overview of Cell cycle, Mitosis and Meiosis; Molecular controls Practical DSE-1B: Cell Biology, Genetics and Molecular Biology Revise Practical class	6
		1		1	1	

Head of the Department,
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TEACHING PLAN OF SHAMIM ALAM
(Assistant Professor)
Botany (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	Theory CC1A/GE-1: Biodiversity Unit 1: Microbes- Viruses – Discovery, general structure, replication (general account), DNA virus (T-phage) Practical(Bio General) CC1A/GE-1: Biodiversity 2. Dissection, mounting, description, drawing, labeling and identification of the following genera: a. Pteridophytes: <i>Lycopodium</i> (stem), <i>Selaginella</i> (stem) and <i>Pteris</i> (leaflet)	3	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 5: Structural organization of flower Structure of anther and pollen Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology 6. Adaptive anatomy: Xerophyte (<i>Nerium</i> leaf); Hydrophyte (<i>Hydrilla</i> stem). 7. Types of ovules: anatropous, orthotropous, circinotropous, amphitropous/ campylotropous – Through Permanent Slides/Photographs 8. Female gametophyte: <i>Polygonum</i> (monosporic) type of Embryo sac Development (Permanent slides/photographs). 9. Pollination types and seed dispersal mechanisms (including appendages, aril, caruncle) (Photographs and specimens). Theory SEC1: Biofertilizers Unit 4: Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution, phosphorus nutrition, growth and yield – colonization of VAM – isolation and inoculum production of VAM, and its influence on growth and yield of crop plants.	2	Theory DSE-1A: Economic Botany and Biotechnology Unit 1: Origin of Cultivated Plants-Concept of centres of origin, their importance with reference to Vavilov's work Unit 2: Cereals-Wheat - Origin, morphology, uses Practical DSE-1A: Economic Botany and Biotechnology 1. Study of economically important plants: Wheat through specimens and sections	4
			3		4	1
Aug	Theory CC1A/GE-1: Biodiversity Unit 1: Lytic and lysogenic cycle, RNA virus (TMV); Practical(Bio General) CC1A/GE-1: Biodiversity 2. Dissection, mounting, description, drawing, labeling and identification of the following genera: b. Gymnosperms: <i>Cycas</i> leaflet, <i>Pinus</i> needle.	3	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 5: Structure and types of ovules Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology 6. Adaptive anatomy: Xerophyte (<i>Nerium</i> leaf); Hydrophyte (<i>Hydrilla</i> stem). Theory SEC1: Biofertilizers Unit 4: Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution, phosphorus nutrition, growth and yield – colonization of VAM – isolation and inoculum production of VAM, and its influence on growth and yield of crop plants.	2	Theory DSE-1A: Economic Botany and Biotechnology Unit 3: Legumes - General account with special reference to Gram and soybean Practical DSE-1A: Economic Botany and Biotechnology 1. Study of economically important plants: Gram through specimens and sections	4
			2		2	1
Sept	Theory CC1A/GE-1: Biodiversity Unit 1: Economic importance; Bacteria – Discovery, General characteristics and cell structure Practical(Bio	2	Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 5: Types of embryo sacs Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology 7. Types of ovules: anatropous, orthotropous, circinotropous,	2	Theory DSE-1A: Economic Botany and Biotechnology Unit 4: Spices - General account with special reference to clove and black pepper (Botanical name, family, part used, morphology and uses)	6
				2		

	<p>General) CC1A/GE-1: Biodiversity 3. Identification of all above mentioned genera in theoretical syllabus from permanent slides</p>	2	<p>amphitropous/ campylotropous – Through Permanent Slides/Photographs Theory SEC1: Biofertilizers Unit 5:Organic farming – Green manuring and organic fertilizers, Recycling of bio-degradable municipal, agricultural and Industrial wastes – biocompost making methods,types and method of vermicomposting – field Application.</p>	3	<p>Practical DSE-1A: Economic Botany and Biotechnology 1.Study of economically important plants: Black pepper through specimens and sections</p>	1
Oct	<p>Theory CC1A/GE-1: Biodiversity Unit 1: Microbes- Viruses – Reproduction – vegetative, asexual and recombination (conjugation, transformation and transduction); Economic importance. Practical(Bio General) CC1A/GE-1: Biodiversity Revise practical class</p>	2	<p>Theory CC1C/GE-3: Plant Anatomy and Embryology Unit 5: Organization and ultrastructure of mature embryo sac. Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology 8. Female gametophyte: Polygonum (monosporic) type of Embryo sac Development (Permanent slides/photographs). Theory SEC1: Biofertilizers Unit 5:Organic farming – Green manuring and organic fertilizers, Recycling of bio-degradable municipal, agricultural and Industrial wastes – biocompost making methods,types and method of vermicomposting – field Application.</p>	2	<p>Theory DSE-1A: Economic Botany and Biotechnology Unit 6: Oils and Fats - General description with special reference to groundnut Practical DSE-1A: Economic Botany and Biotechnology 1.Study of economically important plants:, Clove through specimens and sections</p>	4
		1		2	3	1
Nov	<p>Theory CC1A/GE-1: Biodiversity Unit 6: Pteridophytes-General characteristics, classification, Early land plants (Rhynia). Classification (upto family), morphology, anatomy and reproduction of <i>Lycopodium</i>, Practical(Bio General) CC1A/GE-1: Biodiversity Revise practical class</p>	4	<p>Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology 9. Pollination types and seed dispersal mechanisms (including appendages, aril, caruncle) (Photographs and specimens). Theory SEC1: Biofertilizers Doubt clearing class</p>	1	<p>Theory DSE-1A: Economic Botany and Biotechnology Unit 7: Fibre Yielding Plants- General description with special reference to Cotton (Botanical name, family, part used, morphology and uses) Practical DSE-1A: Economic Botany and Biotechnology 1.Study of economically important plants: Groundnut through specimens and sections</p>	4
		1		2	1	1
					1	
Dec	<p>Theory CC1A/GE-1: Biodiversity Unit 6: Pteridophytes-morphology, anatomy and reproduction of Selaginella, Equisetum and Pteris. (Developmental details not to be included). Heterospory, stelar evolution. economic importance of Pteridophytes. Practical (Bio General)</p>	4	<p>Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology Revise practical class Theory SEC1: Biofertilizers Doubt clearing class</p>	1	<p>Theory DSE-1A: Economic Botany and Biotechnology Doubt clearing class Practical DSE-1A: Economic Botany and Biotechnology Revise practical class</p>	1
				1		1
					1	

	CC1A/GE-1: Biodiversity Revise practical class	1				
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
Jan	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 5: Phytogeography - Principle biogeographical zones; Endemism Practical (Bio General) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Papilionaceae,	4 2	Theory SEC2: Medicinal Botany Unit 1: History, Scope and Importance of Medicinal Plants. Indigenous Medicinal Sciences; Definition and Scope-Ayurveda: History, origin, panchamahabhutas, saptadhatu and tridosha concepts	5	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 1: Techniques in Biology Principles of microscopy; Light Microscopy; Phase contrast microscopy	1
Feb	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 10 Botanical nomenclature - Principles and rules (ICN); ranks and names; binominal system, typification, author citation, valid publication, rejection of names, principle of priority and its limitations. Practical (Bio General) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Apocynaceae,	6 2	Theory SEC2: Medicinal Botany Unit 1: Rasayana, plants used in ayurvedic treatments, Siddha: Origin of Siddha medicinal systems, Basis of Siddha system, plants used in Siddha medicine. Unani: History, concept: Umoor-e- tabiya, tumors treatments/ therapy, polyherbal formulations.	5	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 1: Fluorescence microscopy; Confocal microscopy; Sample Preparation for light microscopy	1
Mar	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 11 Classification - Types of classification-artificial, natural and phylogenetic. Classification Bentham and Hooker (upto series), Takhtajan. Practical (Bio General) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Labiatae	6 2	Theory SEC2: Medicinal Botany Unit 3: Ethnobotany and Folk medicines. Definition; Ethnobotany in India: Methods to study ethnobotany; Applications of Ethnobotany:	5	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 1: Electron microscopy (EM)- Scanning EM and Scanning Transmission EM (STEM)	1
Apr	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 12 Biometrics,	4	Theory SEC2: Medicinal Botany Unit 3: National interacts, folk medicines of ethnobotany, ethnomedicine, ethnic	5	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Unit 1: Sample Preparation	1

	numerical taxonomy and cladistics - Characters; variations; OTUs, character weighting and coding; cluster analysis; phenograms, cladograms Practical (Bio General) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Solanaceae.	2	communities of India. Application of natural products to certain diseases Jaundice, cardiac, infertility, diabetics, Blood pressure and skin diseases.		for electron microscopy; X-ray diffraction analysis.	
May	Theory CC1B/GE-2: Plant Ecology and Taxonomy Doubt clearing class Practical (Bio General) CC1B/GE-2: Plant Ecology and Taxonomy 2. Mounting of a properly dried and pressed specimen of any wild plant with herbarium label (to be submitted in the record book).	2 2	Theory SEC2: Medicinal Botany Doubt clearing class	1	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Doubt clearing class	1
	Theory CC1B/GE-2: Plant Ecology and Taxonomy Doubt clearing class Practical (Bio General) CC1B/GE-2: Plant Ecology and Taxonomy 3. Ecological adaptations of some species: <i>Nerium</i> leaf and <i>Vanda</i> root	2 2	Theory SEC2: Medicinal Botany Doubt clearing class	1	Theory DSE-1B: Cell Biology, Genetics and Molecular Biology Doubt clearing class	1

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	Unit 5: Bryophytes- Classification (up to family), morphology, anatomy and reproduction of <i>Marchantia</i> Practical(Bio General) CC1A/GE-1: Biodiversity 4. Microbiology: Sterilization techniques.; Simple staining of Bacteria with methylene blue/Carbol Fuchsin – Curd	2 2	Doubt clearing class Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology 4. Root: Monocot: <i>Zea mays</i> ; Dicot: <i>Helianthus</i> ; Secondary: <i>Helianthus</i> (only Permanent slides).	2 2		
Nov	Theory CC1A/GE-1: Biodiversity Unit 5: Bryophytes- morphology, anatomy and reproduction of <i>Funaria</i> . Practical(Bio General) CC1A/GE-1: Biodiversity Revise Practical Class	2 1	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology 5. Leaf: Dicot and Monocot leaf (only Permanent slides)	2 2	NIL	NIL
Dec	Theory CC1A/GE-1: Biodiversity Unit 5: Bryophytes- Ecology and economic importance of bryophytes with special mention of Sphagnum. Practical(Bio General) CC1A/GE-1: Biodiversity Revise Practical Class	2 1	Theory CC1C/GE-3: Plant Anatomy and Embryology Doubt clearing class Practical (Bio General) CC1C/GE-3: Plant Anatomy and Embryology Revise Practical Class	2 1	NIL	NIL
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
Jan	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 1: Introduction - Plant Ecology and Taxonomy Practical (Bio General) CC1B/GE-2: Plant Ecology and Taxonomy 1. Study and identification of the following families: Malvaceae	2 2	Theory CC1D/GE-4Plant Physiology and Metabolism: Unit 5: Respiration - Glycolysis, anaerobic respiration Practical (Generic- Zoology Hons.& Bio General) CC1D/GE-4Plant Physiology and Metabolism: 1. Determination of osmotic potential of plant cell sap by plasmolytic method.	2 2	NIL	NIL
Feb	Theory CC1B/GE-2: Plant Ecology and Taxonomy Unit 2: Ecological factors -Soil: Origin, formation,	5	Theory CC1D/GE-4Plant Physiology and Metabolism: Unit 5: Respiration - TCA cycle; Oxidative phosphorylation Practical (Generic- Zoology Hons.& Bio General)	2	NIL	NIL

SURI VIDYASAGAR COLLEGE

DEPARTMENT OF HISTORY

COURSE DESIGN & SYLLABUS

FOR

B. A. (HONOURS & GENERAL) IN HISTORY

UNDER SEMESTER WITH CBCS

SYLLABUS EFFECTIVE FROM 2017-18

COURSE DESIGN EFFECTIVE FROM JANUARY 2021

PREPARED

BY

DR. PARYHA SANKHA MAZUMDAR

HEAD, DEPARTMENT OF HISTORY

Course Design For Semester I, III & V [From January 2021]

COURSE	COURSE TYPE Hons. / Gen	PAPER NO.	TITLE OF THE PAPER	Name of the Teacher
SEM 1	HONOURS	CC-1	History of India - I (From Earliest Times to 600 AD)	Dr. Amiya Kumar Ghosh
		CC-2	Social Formations & the Cultural Pattern of the Ancient World	Dr. Partha Sankha Mazumdar
	GENERAL	CC-1A / GE -1	History of India - I (From Earliest Times to 300 AD)	Prof. Nivedita Chakraborty
SEM 3	HONOURS	CC-5	History of India - III (1206 -- 1525 AD)	Dr. Partha Sanka Mazumdar
		CC-6	Rise of Modern West – I (15th & 16th Centuries)	Dr. Amiya Kumar Ghosh
		CC-7	History of India - IV (1526 AD -- 1757 AD)	Dr. Asim Chaudhuri
		SEC-1	Archives & Museums in India	Prof. Nivedita Chakraborty
	GENERAL	CC-1C / GE -3	History of India - III (From 1206 AD --1707 AD)	Dr. Asim Chaudhuri
		SEC-1	Archives & Museums in India	Prof. Nivedita Chakraborty

COURSE	COURSE TYPE Hons. / Gen	PAPER NO.	TITLE OF THE PAPER	Name of the Teacher
SEM 5	HONOURS	CC-11	History of Modern Europe - I (1789 AD - 1870 AD)	Dr. Asim Chaudhuri
		CC-12	Studying History Writing: Indian & Western	Dr. Amiya Kumar Ghosh
		DSE-1	Life & Culture in Pre-Colonial Bengal (Pre-historic Times to Mid 18 th Century)	Dr. Partha Sankha Mazumdar
		DSE-2	Life & Culture in Colonial Bengal (1857-1947)	Prof. Nivedita Chakraborty
	GENERAL	DSE-1A	Some Aspects of Society & Economy of Modern Europe : 15--18 th Century	Dr. Partha Sankha Mazumdar
		GE-1	Women Studies in India	Dr. Asim Chaudhuri
		SEC-3	An Introduction to Archaeology	Dr. Amiya Kumar Ghosh

Semester I, III & V

TEACHER	HONOURS	GENERAL	Paper
NC	SEM 3 SEC-1 + SEM 5 DSE-2	SEM 1 CC-1A + SEM 3 SEC-1	4
AC	SEM 3 CC-7 + SEM 5 CC-11	SEM 3 CC-1C + SEM 5 GE-1	4
AG	SEM 1 CC-1 + SEM 3 CC-6 + SEM 5 CC-12	SEM 5 SEC 3	4
PSM	SEM 1 CC-2+ SEM 3 CC-5 + SEM 5 DSE-1	SEM 5 DSE-1A	4

Course Design For Semester II, IV & I [From January 2021]

COURSE	COURSE TYPE Hons. / Gen	PAPER NO.	TITLE OF THE PAPER	Name of the Teacher
SEM 2	HONOURS	CC-3	History of India - II (300 AD – 1206 AD)	Prof. Nivedita Chakraborty
		CC-4	Social Formation and Cultural Pattern of the Medieval World	Dr. Asim Chaudhuri
	GENERAL	CC-1B / GE -2	History of India - II (From 300 AD to 1206 AD)	Prof. Nivedita Chakraborty
SEM 4	HONOURS	CC-8	Rise of Modern West – II (17th & 18th Centuries)	Dr. Partha Sankha Mazumdar
		CC-9	History of India - V (1758 AD --1857 AD)	Prof. Nivedita Chakraborty
		CC-10	History of India - VI (1858 - 1964)	Dr. Amiya Kumar Ghosh
		SEC-2	Art Appreciation: An introduction to Indian Art	Dr. Partha Sankha Mazumdar
	GENERAL	CC-1D / GE -4	History of India - IV (1707 AD --1950 AD)	Dr. Asim Chaudhuri
		SEC-2	Understanding Heritage	Dr. Amiya Kumar Ghosh

COURSE	COURSE TYPE Hons. / Gen	PAPER NO.	TITLE OF THE PAPER	Name of the Teacher
SEM 6	HONOURS	CC-13	History of Modern Europe - II (1871-1945)	Dr. Asim Chaudhuri
		CC-14	Making of the Contemporary World (1946 – 2000)	Dr. Partha Sankha Mazumdar
		DSE- 3	History of Modern East Asia (1840-1919)	Prof. Nivedita Chakraborty
		DSE- 4	History of China & Japan (1919-1949)	Dr. Amiya Kumar Ghosh
	GENERAL	DSE-2A	Some Aspects of European history (1789-1939)	Dr. Amiya Kumar Ghosh
		GE-2	Gender & Education in India	Dr. Asim Chaudhuri
		SEC-4	Art Appreciation: An introduction to Indian Art	Dr. Partha Sankha Mazumdar

Semester I, III & V

TEACHER	HONOURS	GENERAL	No. of Paper
NC	SEM 2 CC-3 + SEM 4 CC-9 + SEM 6 DSE-3	SEM 2 CC-1B	4
AC	SEM 2 CC- 4 + SEM 6 CC-13	SEM 4 CC-1D + SEM 6 GE-2	4
AG	SEM 4 CC-10 + SEM 6 DSE-4	SEM 4 SEC 2 + SEM 6 DSE-2A	4
PSM	SEM 4 CC-8 + SEM 4 SEC-2+ SEM 6 CC-14	SEM 6 SEC-4	4

DEPARTMENT OF ENGLISH

TEACHING PLAN OF PROF. DEBARATI CHANDRA

Teaching Semester: 2011-12 (2011-2012)

Month	Sem-III (I)	No. of Lectures	Sem-III (II)	No. of Lectures	Sem V (II)	No. of Lectures
Jul	Theory DTP Section: Critical Discourse Introduction	4	CC01 Popular Literature Ch1: Introduction to Detective Fiction Agatha Christie Year of The Murder of Roger Ackroyd	4-5	CC01 Women's Writing	4
	Lab Rudimentary Grammar and Vocab	4			Early Modern Literature The Wife of Bath The Pardoner's Tale	7
Aug	Rudimentary Text and Annotations	10	Year of The Murder of Roger Ackroyd continued	14-15	CC11 Women Writing Angela Carter Advice to My Young Nephew	5
					CC01 Introduction: Topics Class Introduction	6
Sep	CC11 Rudimentary continued	8	Year of The Murder of Roger Ackroyd continued	18	Cont Text and Annotation	11
Oct	CC1 Rudimentary continued	8	Introduction to Young Adult and Novels on The Hallelujah of Roger	19	Cont Abstract	11

			Author		Company	
Ivy	CCC - Classical Composition Unit 1, Unit Introduction and test	4-8	William Deane Henderson Percy Thomas DeWolf Henderson's Writing	7 8	FOU-1A, Purdue University Allen's Over/Under The Short Solution Fable for Neph	9 3 3
	CCC - Unit 1 (continued)	8	Thomas DeWolf Henderson's Writing		A Leaf in the Storm	4
IIc	CCC - Unit 1 (continued)	8		1		
Ia	Series IV (B)		Series IV (B)		Series VI (B)	
	CCC - Indian Writing in English Unit 1, Unit 2, English Writing Introduction/ Literary Essay: The Queen	3-4	CCC 117, Unit 2 (English Introduction of Unit) Charles H. Mason The Year of the Wolf William DeWolf	4-8 5-7	APP-4 Literary Overview Marie Perle John Dryden Alexander Pope	30 30 8

	1000 (incl. 1000)	4	1200 Good Times - 1000	3	Library Time by Topic (1000)	2
	1000 Direct 1000		1000 Good Times and 1000	4		
May	1000	4				
June			500 3 Film Notes 1000 4 1000 and 1000	4	1000	4
			1000	5		

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DEPARTMENT OF ARABIC

TEACHING PLAN OF WASIM REJA Arabic (Honours)&Gen (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)G	No. of Lecture	Sem-III (H)G	No. of Lecture	Sem-V (H)G	No. of Lecture
Jul	Theory: CC1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.	4	Theory CC5: Unit:3 Two poetry of Hassan bin Thabit. Unit:4 A poetry of Abbas bin Mirdas from Hamasa	4	Theory CC11: Prose (Modern Period unit 1) Unit 2: Marta al Bania	3
	CC2:Arabic Prose (Islamic & Medieval) (Part-A) Unit :1 Tarjama Surah Hjrta Unit :3 Sahih Hadith	4	CC7: History of Arabic Literature in Egypt: Unit: A,B&C	5	CC12: Poetry (Modern Period unit 1) Unit 3: Ustaj Md. Abduhu	3
	Theory: GE1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.	2	SEC1: Translation & Composition (on the basis of Grammatical rules) UNIT: 1	2	DSE1: History of Islam, Rhetoric, Prosody, & Philology Unit 1: History of Islam	2
			Theory: CC1C: Prose :(Islamic medieval & modern period) Unit :6 Sura Hujrat Unit:7 Sahih Hadith	3	Theory: SEC3: Specific literary feature of modern Arabic Literature	2
Aug	Theory: CC1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.	4	Theory CC5: Unit:3 Two poetry of Hassan bin Thabit. Unit:4 A poetry of Abbas bin Mirdas from Hamasa	4	Theory CC11: Prose (Modern Period unit 1) Unit 2: Marta al Bania	3
	CC2:Arabic Prose (Islamic & Medieval) (Part-A) Unit :1 Tarjama Surah Hjrta Unit :3 Sahih Hadith	3	CC7: History of Arabic Literature in Egypt: Unit: A,B&C	6	CC12: Poetry (Modern Period unit 1) Unit 3: Ustaj Md. Abduhu	4
	Theory: GE1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.	3	SEC1: Translation & Composition (on the basis of Grammatical rules) UNIT: 1	2	DSE1: History of Islam, Rhetoric, Prosody, & Philology Unit 1: History of Islam	3
			Theory: CC1C: Prose :(Islamic medieval & modern period) Unit :6 Sura Hujrat Unit:7 Sahih Hadith	1	Theory: SEC3: Specific literary feature of modern Arabic Literature	2
Sept	Theory: CC1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.	4	Theory CC5: Unit:3 Two poetry of Hassan bin Thabit. Unit:4 A poetry of Abbas bin Mirdas from Hamasa	4	Theory CC11: Prose (Modern Period unit 1) Unit 2: Marta al Bania	4
	CC2:Arabic Prose (Islamic & Medieval) (Part-A) Unit :1 Tarjama Surah Hjrta Unit :3 Sahih Hadith	4	CC7: History of Arabic Literature in Egypt: Unit: A,B&C	5	CC12: Poetry (Modern Period unit 1) Unit 3: Ustaj Md. Abduhu	4
			SEC1: Translation & Composition (on the basis of Grammatical rules) UNIT: 1	2	DSE1: History of Islam, Rhetoric, Prosody, & Philology Unit 1: History of Islam	2

	<p>Theory: GE1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.</p>	3	<p>Theory: CC1C: Prose :(Islamic medieval & modern period) 2 Unit :6 Sura Hujrat Unit:7 Sahih Hadith</p> <p>SEC1: Grammar ,translation & latter writing Unit 1 1</p>	<p>Theory: SEC3: Specific literary feature of modern Arabic Literature 2</p>	
Oct	<p>Theory: CC1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.</p>	3	<p>Theory CC5: Unit:3 Two poetry of Hassan bin Thabit. Unit:4 A poetry of Abbas bin Mirdas from Hamasa</p> <p>CC7: History of Arabic Literature in Egypt: Unit: A,B&C</p>	3	<p>Theory CC11: Prose (Modern Period unit 1) 3 Unit 2: Marta al Bania</p> <p>CC12: Poetry (Modern Period unit 1) 3 Unit 3: Ustaj Md. Abduhu</p>
	<p>CC2:Arabic Prose (Islamic & Medieval) (Part-A) Unit :1 Tarjama Surah Hjrat Unit :3 Sahih Hadith</p>	3	<p>SEC1: Translation & Composition (on the basis of Grammatical rules) UNIT: 1</p>	1	<p>DSE1: History of Islam, Rhetoric, Prosody, & Philology 3 Unit 1: History of Islam</p>
	<p>Theory: GE1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.</p>	2	<p>Theory: CC1C: Prose :(Islamic medieval & modern period) Unit :6 Sura Hujrat Unit:7 Sahih Hadith</p> <p>SEC1: Grammar ,translation & latter writing Unit 1</p>	1	<p>Theory: SEC3: Specific literary feature of modern Arabic Literature 2</p>
Nov	<p>Theory: CC1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.</p>	4	<p>Theory CC5: Unit:3 Two poetry of Hassan bin Thabit. Unit:4 A poetry of Abbas bin Mirdas from Hamasa</p> <p>CC7: History of Arabic Literature in Egypt: Unit: A,B&C</p>	4	<p>Practical CC11: Prose (Modern Period unit 1) 3 Unit 2: Marta al Bania</p> <p>CC12: Poetry (Modern Period unit 1) 4 Unit 3: Ustaj Md. Abduhu</p>
	<p>CC2:Arabic Prose (Islamic & Medieval) (Part-A) Unit :1 Tarjama Surah Hjrat Unit :3 Sahih Hadith</p>	4	<p>SEC1: Translation & Composition (on the basis of Grammatical rules) UNIT: 1</p>	2	<p>DSE1: History of Islam, Rhetoric, Prosody, & Philology 4 Unit 1: History of Islam</p>
	<p>Theory: GE1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.</p>	4	<p>Theory: CC1C: Prose :(Islamic medieval & modern period) Unit :6 Sura Hujrat Unit:7 Sahih Hadith</p> <p>SEC1: Grammar ,translation & latter writing Unit 1</p>	1	<p>Theory: SEC3: Specific literary feature of modern Arabic Literature 3</p>
Dec	<p>Theory: CC1: A. Hist. of Arabic Literature(from Pre-Islamic to Umayyad Period Unit 1: Pre-Islamic Period (500-622 A. D.</p>	3	<p>Theory CC5: Unit:3 Two poetry of Hassan bin Thabit. Unit:4 A poetry of Abbas bin Mirdas from Hamasa</p> <p>CC7: History of Arabic Literature in Egypt: Unit: A,B&C</p>	3	<p>Theory CC11: Prose (Modern Period unit 1) 4 Unit 2: Marta al Bania</p> <p>CC12: Poetry (Modern Period unit 1) 3 Unit 3: Ustaj Md. Abduhu</p>
	<p>CC2:Arabic Prose (Islamic & Medieval) (Part-A) Unit :1 Tarjama Surah Hjrat</p>	4	<p>SEC1: Translation & Composition (on the basis of Grammatical rules) UNIT: 1</p>	2	<p>DSE1: History of Islam, Rhetoric, Prosody, & Philology 2</p>

Unit :3 Sahih Hadith

Theory:
GE1: A. Hist. of Arabic Literature (from Pre-Islamic to Umayyad Period

Unit 1: Pre-Islamic Period (500-622 A. D.

Sem-II (H)G

Theory:

CC3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.), Gram. & Trans .:

A.Hist. of Arabic Lit. (Abbasid Period -750-1258) & Indian Arabic Lit.)
Unit : a) & b)

CC4: Arabic Prose (Islamic & Medieval) (Part-B)

خطبة عمر (رض) في: في الحكم (khutbah umar)
Unit 3: القضاء و القدر: (al kada wa al kadar)

Theory:

GE2: A. History of Arabic Literature (Abbasid Period, 750-1258 A.D.) , Grammar & Translation

Abbasid Period : (1) PROSE Literature with special reference to Ibn-ul-Muqaffa , Al-Jahiz, Al-Hariri and Al-Hamazan

Theory

CC3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.), Gram. & Trans .:

A.Hist. of Arabic Lit. (Abbasid Period -750-1258) & Indian Arabic Lit.)
Unit : a) & b)

CC4: Arabic Prose (Islamic & Medieval) (Part-B)

خطبة عمر (رض) في: في الحكم
Unit 3: القضاء و القدر

Theory:

GE2: A. History of Arabic Literature (Abbasid Period, 750-1258 A.D.) , Grammar & Translation

Abbasid Period : (1) PROSE Literature with special reference to Ibn-

2

Theory:

CC1C: Prose :(Islamic medieval & modern period) 2

Unit :6 Sura Hujrat
Unit:7 Sahih Hadith

SEC1: Grammar ,translation & latter writing

Unit 1

1

Sem-IV (H)G

Theory:

CC8: Poetry (Abbasid & Fatimid) المتنبّي نعد المشرفية والعوالي 2)

(Poetry of Mutanabbi)

CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation
1- History of Mahjarite literature in North+South America /Adabul Mahjar A

CC10: Development of Modern Arabic Novel, short-story, Drama & Formation of Literary Groups

A & B

SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1)

Theory:

CC1D: Poetry : (Islamic, medieval, & Modern Period))

حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم
الحماسة العباس بن مرداس السلمي 5)

SEC2: Grammar ,translation & latter writing

Unit-a)

Theory

CC8: Poetry (Abbasid & Fatimid) المتنبّي نعد المشرفية والعوالي 2)

(Poetry of Mutanabbi)

CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation
1- History of Mahjarite literature in North+South America /Adabul Mahjar A

CC10: Development of Modern Arabic Novel, short-story, Drama & Formation of Literary Groups

A & B

SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 2

Theory:

CC1D: Poetry : (Islamic, medieval, & Modern Period)

حسان بن ثابت وقال يرثي النبي صلى الله

Unit 1: History of Islam

Theory:

SEC3: Specific literary feature of modern Arabic Literature 2

Sem-VI (H)G

Theory:

CC13: Prose (Modern Period Unit -II)

الثقافة الهندية أحمد أمين 3)

CC14: Poetry (Modern Period Unit -II)

صلوات في هيكال الحب أبو القاسم الشابي 4)

Theory:

DSE3: Outline History of Modern Arab World & Composition

Group-A

DSE-1B Outline History of Modern Arab World

2

Theory

CC13: Prose (Modern Period Unit -II)

الثقافة الهندية أحمد أمين 3)

CC14: Poetry (Modern Period Unit -II)

صلوات في هيكال الحب أبو القاسم الشابي 4)

Theory:

DSE3: Outline History of Modern Arab World & Composition

Group-A

DSE-1B Outline History of Modern Arab World

2


Jan

Feb

	ul-Muqaffa , Al-Jahiz, Al-Hariri and Al- Hamazan 2	عليه وسلم الحماسة العباس بن مرداس السلمي 5) SEC2: Grammar ,translation & latter writing Unit-a)			
Mar	Theory CC3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.),Gram. &Trans . : A.Hist. of Arabic Lit. (Abbasid Period -750-1258) & Indian Arabic Lit.) Unit : a) & b) CC4: Arabic Prose (Islamic & Medieval) (Part-B) Unit 1: خطبة عمر (رض) في الحكم الحكم Unit 3: القضاء و القدر	Theory: CC8: Poetry (Abbasid & Fatimid) 2) المتنبي نعد المشرفية والعوالي (Poetry of Mutanabbi) CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation 1- History of Mahjarite literature in North+South America /Adabul Mahjar A CC10: Development ofModern Arabic Novel, short-story, Drama & Formation of Literary Groups A & B SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1) Theory: CC1D: Poetry : (Islamic, medieval, & Modern Period) حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم 2 الحماسة العباس بن مرداس السلمي 5) SEC2: Grammar ,translation & latter writing Unit-a) 2	3 3 5 2 2	Theory CC13: Prose (Modern Period Unit -II) الثقافة الهندية أحمد أمين 3) CC14: Poetry (Modern Period Unit -II) صلوات في هيكل الحب أبو 4) القاسم الشابي Theory: DSE3: Outline History of Modern Arab World & Composition Group-A DSE-1B Outline History of Modern Arab World	3 3 3 2
	Theory: GE2: A. History of Arabic Literature (Abbasid Period, 750- 1258 A.D.) , Grammar & Translation Abbasid Period : (1) PROSE Literature with special reference toIbn- ul-Muqaffa , Al-Jahiz, Al-Hariri and Al- Hamazan	Theory: CC8: Poetry (Abbasid & Fatimid) 2) المتنبي نعد المشرفية والعوالي (Poetry of Mutanabbi) CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation 1- History of Mahjarite literature in North+South America /Adabul Mahjar A CC10: Development ofModern Arabic Novel, short-story, Drama & Formation of Literary Groups A & B SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1) Theory: CC1D: Poetry : (Islamic, medieval, & Modern Period) حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم 2 الحماسة العباس بن مرداس السلمي 5) SEC2: Grammar ,translation & latter writing Unit-a) 2	2 2 2	Theory CC13: Prose (Modern Period Unit -II) الثقافة الهندية أحمد أمين 3) CC14: Poetry (Modern Period Unit -II) صلوات في هيكل الحب أبو 4) القاسم الشابي Theory: DSE3: Outline History of Modern Arab World & Composition Group-A DSE-1B Outline History of Modern Arab World	2 2
	Theory CC3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.),Gram. &Trans . : A.Hist. of Arabic Lit. (Abbasid Period -750-1258) & Indian Arabic Lit.) Unit : a) & b) CC4: Arabic Prose (Islamic & Medieval) (Part-B) Unit 1: خطبة عمر (رض) في الحكم الحكم Unit 3: القضاء و القدر	Theory CC8: Poetry (Abbasid & Fatimid) 2) المتنبي نعد المشرفية والعوالي (Poetry of Mutanabbi) CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation 1- History of Mahjarite literature in North+South America /Adabul Mahjar A CC10: Development ofModern Arabic Novel, short-story, Drama & Formation of Literary Groups A & B SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1) Theory: CC1D: Poetry : (Islamic, medieval, & Modern Period) حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم 2 الحماسة العباس بن مرداس السلمي 5) SEC2: Grammar ,translation & latter writing Unit-a) 2	3 3 4 3 4	Theory CC13: Prose (Modern Period Unit -II) الثقافة الهندية أحمد أمين 3) CC14: Poetry (Modern Period Unit -II) صلوات في هيكل الحب أبو 4) القاسم الشابي Theory: DSE3: Outline History of Modern Arab World & Composition Group-A DSE-1B Outline History of Modern Arab World	3 3 3 3 2
	Theory: GE2: A. History of Arabic Literature (Abbasid Period, 750- 1258 A.D.) , Grammar & Translation Abbasid Period : (1) PROSE Literature with special reference toIbn- ul-Muqaffa , Al-Jahiz, Al-Hariri and Al- Hamazan	Theory: CC8: Poetry (Abbasid & Fatimid) 2) المتنبي نعد المشرفية والعوالي (Poetry of Mutanabbi) CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation 1- History of Mahjarite literature in North+South America /Adabul Mahjar A CC10: Development ofModern Arabic Novel, short-story, Drama & Formation of Literary Groups A & B SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1) Theory: CC1D: Poetry : (Islamic, medieval, & Modern Period) حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم 2 الحماسة العباس بن مرداس السلمي 5) SEC2: Grammar ,translation & latter writing Unit-a)	2 2	Theory CC13: Prose (Modern Period Unit -II) الثقافة الهندية أحمد أمين 3) CC14: Poetry (Modern Period Unit -II) صلوات في هيكل الحب أبو 4) القاسم الشابي Theory: DSE3: Outline History of Modern Arab World & Composition Group-A DSE-1B Outline History of Modern Arab World	2 2
Apr	Theory CC3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.),Gram. &Trans . : A.Hist. of Arabic Lit. (Abbasid Period -750-1258) & Indian Arabic Lit.) Unit : a) & b) CC4: Arabic Prose (Islamic & Medieval) (Part-B) Unit 1: خطبة عمر (رض) في الحكم الحكم Unit 3: القضاء و القدر	Theory CC8: Poetry (Abbasid & Fatimid) 2) المتنبي نعد المشرفية والعوالي (Poetry of Mutanabbi) CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation 1- History of Mahjarite literature in North+South America /Adabul Mahjar A CC10: Development ofModern Arabic Novel, short-story, Drama & Formation of Literary Groups A & B SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1) Theory: CC1D: Poetry : (Islamic, medieval, & Modern Period) حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم 2 الحماسة العباس بن مرداس السلمي 5) SEC2: Grammar ,translation & latter writing Unit-a)	3 3 4 3 4	Theory CC13: Prose (Modern Period Unit -II) الثقافة الهندية أحمد أمين 3) CC14: Poetry (Modern Period Unit -II) صلوات في هيكل الحب أبو 4) القاسم الشابي Theory: DSE3: Outline History of Modern Arab World & Composition Group-A DSE-1B Outline History of Modern Arab World	3 3 3 3 2
May	Theory	Theory	Theory	Theory	

<p>CC3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.), Gram. & Trans . :</p>	3	<p>CC8: Poetry (Abbasid & Fatimid) 2) المتنبي نعت المشرفية والحوالي (Poetry of Mutanabbi)</p>	4	<p>CC13: Prose (Modern Period Unit -II) الثقافة الهندية أحمد أمين 3)</p>	3
<p>A.Hist. of Arabic Lit. (Abbasid Period -750-1258) & Indian Arabic Lit.)</p>	2	<p>CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation 1- History of Mahjarite literature in North+South America /Adabul Mahjar A</p>	2	<p>CC14: Poetry (Modern Period Unit -II) صلوات في هيكل الحب أبو 4) القاسم الشابي</p>	3
<p>Unit : a) & b) CC4: Arabic Prose (Islamic & Medieval) (Part-B)</p>	2	<p>CC10: Development of Modern Arabic Novel, short-story, Drama & Formation of Literary Groups A & B</p>	3	<p>Theory: DSE3: Outline History of Modern Arab World & Composition Group-A</p>	2
<p>Unit 1: خطبة عمر (رض) في الحكم Unit 3: القضاء و القدر</p>	2	<p>SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1)</p>	2	<p>DSE-1B Outline History of Modern Arab World</p>	1
<p>Theory: GE2: A. History of Arabic Literature (Abbasid Period, 750-1258 A.D.) , Grammar & Translation Abbasid Period : (1) PROSE Literature with special reference to Ibn-ul-Muqaffa , Al-Jahiz, Al-Hariri and Al-Hamazan</p>	2	<p>Theory: CC1D: Poetry : (Islamic, medieval, & Modern Period) حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم 1) الحماسة العباس بن مرداس السلمي 5) SEC2: Grammar ,translation & latter writing Unit-a)</p>	2	<p>Theory: CC13: Prose (Modern Period Unit -II) الثقافة الهندية أحمد أمين 3)</p>	3
<p>Theory CC3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.), Gram. & Trans . :</p>	2	<p>Theory CC8: Poetry (Abbasid & Fatimid) 2) المتنبي نعت المشرفية والحوالي (Poetry of Mutanabbi)</p>	3	<p>CC14: Poetry (Modern Period Unit -II) صلوات في هيكل الحب أبو 4) القاسم الشابي</p>	3
<p>A.Hist. of Arabic Lit. (Abbasid Period -750-1258) & Indian Arabic Lit.)</p>	2	<p>CC9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation 1- History of Mahjarite literature in North+South America /Adabul Mahjar A</p>	3	<p>Theory: DSE3: Outline History of Modern Arab World & Composition Group-A</p>	2
<p>Unit : a) & b) CC4: Arabic Prose (Islamic & Medieval) (Part-B)</p>	2	<p>CC10: Development of Modern Arabic Novel, short-story, Drama & Formation of Literary Groups A & B</p>	4	<p>DSE-1B Outline History of Modern Arab World</p>	2
<p>Unit 1: خطبة عمر (رض) في الحكم Unit 3: القضاء و القدر</p>	2	<p>SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill: 1)</p>	2	<p>Theory: CC1D: Poetry : (Islamic, medieval, & Modern Period) حسان بن ثابت وقال يرثي النبي صلى الله عليه وسلم 1) الحماسة العباس بن مرداس السلمي 5)</p>	2
<p>Theory: GE2: A. History of Arabic Literature (Abbasid Period, 750-1258 A.D.) , Grammar & Translation Abbasid Period : (1) PROSE Literature with special reference to Ibn-ul-Muqaffa , Al-Jahiz, Al-Hariri and Al-Hamazan</p>	2	<p>SEC2: Grammar ,translation & latter writing Unit-a)</p>	2		

June



Signature of the Teacher

Head of the Department,

Department of Arabic,
Suri Vidyasagar College

DEPARTMENT OF CHEMISTRY

TEACHING PLAN OF PROF TRIJIT BHATTACHARYYA

Chemistry (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lectures	Sem-III (G)	No. of Lectures	Sem-V (G)	No. of Lectures
Jul			Theory:SEC-1: Analytical clinical biochemistry: Carbohydrates Part 1	4		
Aug			Theory:SEC-1: Analytical clinical biochemistry: Carbohydrates part 2	4	:	
Sept			; Theory:SEC-1: Analytical clinical biochemistry:Proteins Part 1	4	.	
Oct			Theory:SEC-1: Analytical clinical biochemistry: Proteins Part 2	3		
Nov			Theory:SEC-1: Analytical clinical biochemistry: Structure of DNA and RNA	5		

Dec			Theory:SEC-1: Analytical clinical biochemistry: Enzymes	2 2		
Jan	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	Theory : CC-1B (Theo) : Comparative study of p-block elements B-Al-Ga-In-Tl	3	Theory : CC-1D: Chromatographic methods	3		
Feb	Theory : CC-1B (Theo) Comparative study of p-block elements C-Si-Ge-Sn-Pb	4	Theory : CC-1D : Volumetric analysis of NaHCO ₃ and Na ₂ CO ₃ by acidimetry	4		
Mar	Theory : CC-1B (Theo) Comparative study of p-block elements N-P-As-Sb-Bi	4	Theory : CC-1D Environmental Chemistry: The Atmosphere,Structure and composition .	4		
Apr	Theory : CC-1B (Theo)		Theory : CC-1D:Environmental			

	Comparative study of p-block elements O-S-Se-Te	4	<i>Chemistry:</i> The Atmosphere, Pollutants	2		
May	Theory : CC-1B: Comparative study of p-block elements F-Cl-Br-I	3	Theory : CC-1D <i>Environmental Chemistry:</i> The Atmosphere, problem of ozone layer depletion	3		
June	Theory : CC-1B: Special classes .	2	Theory : CC-1D: <i>Environmental Chemistry:</i> The Atmosphere pollution control measures	1		



Head of the Department,
Department of Chemistry,
Suri Vidyasagar College

DEPARTMENT OF CHEMISTRY

TEACHING PLAN OF PROF PANKAJ ROY Chemistry (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lectures	Sem-III (G)	No. of Lectures	Sem-V (G)	No. of Lectures
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Jul			Theory:CC-1C: Chemical Energetics ;thermodynamics;state and path functions; Practical : Measurement of pH of different solutions	4 4	Theory SEC-3: Basics & Application of Computer in Chemistry <i>Mathematics</i> ;Fundamentals:	4
Aug			Theory:CC-1C: Chemical Energetics ;thermodynamics;Concept of heat, work, internal energy and statement of first law; Practical : Measurement of pH of different solutions	4 4	Theory SEC-3: Basics & Application of Computer in Chemistry <i>Mathematics</i> ;Uncertainty in measurement:	4
Sept			Theory:CC-1C: Chemical Energetics ;thermodynamics;Heats of reaction; Practical : Preparation of buffer solutions and find the pH	4 6	Theory:SEC-3: Basics & Application of Computer in Chemistry <i>Mathematics</i> ;Differential calculus:	4
Oct			Theory:CC-1C: Chemical Energetics ;thermodynamics;Laws of thermochemistry; Practical : Study of the solubility of benzoic acid in water	3 2	Theory : SEC-3: Basics & Application of Computer in Chemistry <i>Computer Programming</i> ;Simple computer programs,Statistical analysis.	3

Nov			Theory:CC-1C: Chemical Energetics ;thermodynamics;second law of thermodynamics; Practical : Practice.	5 2	Theory:SEC-3 :Basics & Application of Computer in Chemistry <i>Computer Programming ;BASIC</i> programs for curve fitting, finding roots.	3
Dec			Theory:CC-1C: Special classes: Practical Practice.	2 2	Theory : SEC-3:Special classes:	2
Jan	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	Theory : CC-1B (Theo) : Kinetic Theory of Gases and Real gases . Practical : Surface tension measurement	3 2	Theory : CC-1D:Solutions ; Ideal solutions and Raoult's law ; Practical : CC-1D: Distribution Law;Study of the equilibrium	3 2	Theory : SEC-4 :Introduction and history of polymeric materials. Theory: DSE-1B: Industrial Chemistry; Polymers: basic concept.	2 2
Feb	Theory : CC-1B (Theo) Surface tension, Viscosity of a liquid . Practical : Study of the variation of surface tension of a detergent solution with concentration	4 2	Theory : CC-1D :Solutions; Distillation of solutions; curves of ideal and non-ideal solutions; Practical : CC-1D: potentiometric titration: r.	4 4	Theory : SEC-4: Functionality and its importance in polymer chemistry. Theory : DSE-1B: structure and types of plastics.	2 2

Mar	<p>Theory : CC-1B (Theo) Chemical Kinetics ;Order and molecularity; .Diffe rent types of reactions.</p> <p>Practical : Study of the variation of viscosity of an aqueous solution with concentration of solute.</p>	5 2	<p>Theory :<i>Solutions</i>;solvent extraction</p> <p>Phase rule ;phase equilibrium;</p> <p>CC-1D: Practical: CC-1D; potentiometric titration: .</p>	4 4	<p>Theory : SEC-4:Kinetics of polymerization.</p> <p>Theory : DSE 1B:PVC; manufacture, physical properties.</p>	2 2
Apr	<p>Theory : CC-1B (Theo) Chemical Kinetics ;Collision theory;Transition State theory</p> <p>Practical : Study the kinetics Iodide-persulphate reaction</p>	4 2	<p>Theory : CC-1D:Phase rule ;thermodynamic derivation;</p> <p>Practical : CC-1D;Determination of dissociation constant</p>	4 4	<p>Theory : SEC-4:Properties of polymers.</p> <p>Theory : DSE 1B: Paints: constituents; formulation.</p>	2 2
May	<p>Theory : CC-1B: Temperature dependence of rate constant;</p> <p>Practical : Acid hydrolysis of methyl acetate with hydrochloric acid</p>	3 2	<p>Theory : CC-1D: <i>Phase Equilibria</i>;Phase diagrams</p> <p>Practical : CC-1D: Determination of dissociation constant</p>	3 2	<p>Theory SEC-4: Determination of molecular weights.</p> <p>Theory : DSE1B: Binders and solvents for paints.</p>	2 2
June	<p>Theory : CC-1B: Special classes .</p> <p>Practical : Practice.</p>	2	<p>Theory : CC-1D: Special classes.</p> <p>Practical :Special classes.</p>	1 1	<p>Theory : SEC-4: Special classes.</p> <p>Theory : DSE1B :Special classes.</p>	1 1

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TEACHING PLAN OF DEBABRATA SAHA
Chemistry (General) (2021-22) (July 2021-June 2022)

Month	SEM I(G)	SEM-III(G)	SEM-V
Jul	MODULE-02 (Chemical Periodicity) UNIT-I Classification of elements on the basis of electronic configuration: general characteristics of s-, p-, d- and f-block elements.	NO CLASSES	MODULE-01 UNIT-I (Transition Elements(3d): General group trends with special reference to electronic configuration, variable valency, colour, magnetic and catalytic properties, ability to form complexes and stability of various oxidation states (Latimer diagrams) for Mn, Fe and Cu.
Aug	MODULE-02 (Chemical Periodicity) UNIT-II Positions of hydrogen and noble gases. Atomic and ionic radii, ionization potential, electron affinity, and electronegativity.	NO CLASSES	MODULE-01 UNIT-II (Lanthanoids and actinoids): Electronic configurations, oxidation states, colour, magnetic properties, lanthanide contraction, separation of lanthanides (ion exchange method only).
Sept	MODULE-02 (Chemical Periodicity) UNIT-III Periodic and group-wise variation of above properties in respect of s- and p- block elements.	NO CLASSES	MODULE-04 UNIT-I (Error analysis): accuracy and precision of quantitative analysis, determinate, indeterminate, systematic and random errors; methods of least squares and standard deviations.
Oct	MODULE-04 (Redox reactions) UNIT-I Balancing of equations by oxidation number and ion-electron method oxidimetry and reductimetry.	NO CLASSES	MODULE-05 UNIT-I (Fertilizers): manufacture of ammonia & ammonium salts, urea, superphosphate, biofertilizers. UNIT-II (Cement): Portland cement: composition and setting of cement, white cement.
Nov	Special classes+ doubt clearing+ discussions	NO CLASSES	Problem solving + discussions and evaluation.
Dec	Doubt clearing+ discussions + evaluation.	NO CLASSES	Problem solving + discussions and evaluation.
Jan	SEM-II (G)	SEM-IV(G)	SEM-VI (G)
	MODULE-5B UNIT-III Covalent bonding: VB Approach: Shapes of some inorganic molecules and ions on the basis of VSEPR and hybridization with suitable examples of linear, trigonal planar, square planar, tetrahedral, trigonal bipyramidal and octahedral arrangements.	NO CLASSES	NO CLASSES
Feb	MODULE-5C UNIT-IV Concept of resonance and resonating structures in various inorganic and organic compounds.	NO CLASSES	NO CLASSES
Mar	MODULE-5D UNIT-V MO Approach: Rules for the LCAO method, bonding and antibonding MOs and their characteristics for s-s, s-p and p-p combinations of atomic orbitals, nonbonding combination of orbitals.	NO CLASSES	NO CLASSES
Apr	MODULE-05 UNIT-VI MO treatment of homonuclear diatomic molecules of 1st and 2nd periods. (including idea of s- p mixing) and heteronuclear diatomic molecules such as CO, NO and NO+. Comparison of VB and MO approaches.	NO CLASSES	NO CLASSES
May	Special classes+ doubt clearing+ discussions.	NO CLASSES	NO CLASSES
Jun	Doubt clearing+ discussions + evaluation.	NO CLASSES	NO CLASSES



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SURI VIDYASAGAR COLLEGE
Department of Chemistry
Teaching Plan of Dr. Sandip Mondal for the General Course (2021-2022)

Month	SEM-I	SEM-III	SEM-V
Jul	Course Code-CC-1A/GE-1 Atomic Structure: Bohr's theory for hydrogen atom (simple mathematical treatment), atomic spectra of hydrogen and Bohr's model, Sommerfeld's model. quantum numbers and their significance	Course Code-CC-1C/GE-3 <i>Ionic Equilibria:</i> Strong, moderate and weak electrolytes, degree of ionization, factors affecting degree of ionization, ionization constant and ionic product of water.	Course Code-DSE-1A/GE-5 <i>Coordination Chemistry</i> a. Werner's coordination theory, Valence Bond Theory (VBT): Inner and outer orbital complexes of Cr, Fe, Co, Ni and Cu (coordination numbers 4 and 6).
Aug	Course Code-CC-1A/GE-1 Atomic Structure: Quantum numbers and their significance, Pauli's exclusion principle, Hund's rule, electronic configuration of many-electron atoms, Aufbau principle and its limitations	Course Code-CC-1C/GE-3 Ionization of weak acids and bases, pH scale, common ion effect Salt hydrolysis-calculation of hydrolysis constant, degree of hydrolysis and pH for different salts.	Course Code-DSE-1A/GE-5 Structural and stereoisomerism in complexes with coordination numbers 4 and 6. b. Drawbacks of VBT; IUPAC system of nomenclature.
Sept	Course Code-CC-1A/GE-1 Acids and bases: Brønsted–Lowry concept, conjugate acids and bases, relative strengths of acids and bases, effects of substituent and solvent, differentiating and levelling solvents.	Course Code-CC-1C/GE-3 Buffer solutions; Solubility and solubility product of sparingly soluble salts – applications of solubility product principle.	Course Code-DSE-1A/GE-5 Crystal field effect, octahedral symmetry. Crystal field stabilization energy (CFSE), Crystal field effects for weak and strong fields.
Oct	Course Code-CC-1A/GE-1 Acids and bases: Lewis acid-base concept, classification of Lewis acids and bases, Lux-Flood concept and solvent system concept.	Special class, questions -answers discussion and evaluation.	Course Code-DSE-1A/GE-5 Tetrahedral symmetry. Spectrochemical series. Comparison of CFSE for Oh and Td complexes, Tetragonal distortion of octahedral geometry.
Nov	Course Code-CC-1A/GE-1 Acids and bases: Hard and soft acids and bases (HSAB concept), applications of HSAB process.	Special class, questions -answers discussion and evaluation.	Course Code-DSE-1A/GE-5 Jahn-Teller distortion, Square planar coordination
Dec	Special class, questions -answers discussion and evaluation.	Special class, questions -answers discussion and evaluation.	Special class, questions -answers discussion and evaluation.
	SEM-II	SEM-IV	SEM-VI
Jan	Course Code-CC-1B/GE-2 Ionic Bonding: General characteristics of ionic bonding. Energy considerations in ionic bonding, lattice energy and solvation energy and their importance in the context of stability and solubility of ionic compounds.	Course Code-CC-1D/GE-4 Volumetric analysis: primary and secondary standard substances; principles of acid-base, oxidation –reduction and complexometric titrations.	NO CLASSES

Feb	Course Code-CC-1B/GE-2 Statement of Born-Landé equation for calculation of lattice energy, Born-Haber cycle and its applications, polarizing power and polarizability	Course Code-CC-1D/GE-4 Indicators: acid-base, redox and metal ion, principles of estimation of mixtures: NaHCO ₃ and Na ₂ CO ₃ (by acidimetry)	NO CLASSES
Mar	Course Code-CC-1B/GE-2 Fajan's rules, ionic character in covalent compounds, bond moment, dipole moment and percentage ionic character.	Course Code-CC-1D/GE-4 Principles of estimation of mixtures: iron, copper, manganese and chromium (by redox titration); zinc, aluminum, calcium and magnesium (by complexometric EDTA titration).	NO CLASSES
Apr	Course Code-CC-1B/GE-2 Comparative study of p-block elements: Group trends in electronic configuration, modification of pure elements, common oxidation states, inert pair effect, and their important compounds in respect of the following groups of elements: i. B-Al-Ga-In-Tl ii. C-Si-Ge-Sn-Pb	Course Code-CC-1D/GE-4 Chromatography: Chromatographic methods of analysis: column chromatography and thin layer chromatography.	NO CLASSES
May	Course Code-CC-1B/GE-2 Comparative study of p-block elements: Group trends in electronic configuration, modification of pure elements, common oxidation states, inert pair effect, and their important compounds in respect of the following groups of elements: iii. N-P-As-Sb-Bi iv. O-S-Se-Te v. F-Cl-Br-I	Course Code-CC-1D/GE-4 Gravimetric analysis: solubility product and common ion effect; requirements of gravimetry; gravimetric estimation of chloride, sulphate, lead, barium, nickel, copper and zinc.	NO CLASSES
June	Special/Remedial class, questions -answer discussions and numerical problem solve	Special/Remedial class, questions -answer discussions and numerical problem solve	NO CLASSES



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DEPARTMENT OF CHEMISTRY

TEACHING PLAN OF Mrs. Ishani Sinha
Chemistry (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	Theory: CC1A/GE1: Electronic Displacement: Inductive Effect, Resonance, Hyperconjugation, Homolytic and Heterolytic fission of bonds, Structure of organic molecules on the basis of VBT, Nucleophile, Electrophile, Reactive Intermediate: Carbonation, Carbanion, Free Radicals. Practical CC1A/ GE1: Lassaigne Test: Detection of Special Elements	6 2	Theory CC1C/GE3: Aromatic hydrocarbons: Benzene, preparation from phenol, decarboxylation, acetylene, benzene sulphonic acid. Reaction: General Mechanism of aromatic electrophilic substitution.	7	Theory DSE 1A: Fuels Practical DSE 1A: 1.Titration of Na ₂ CO ₃ and NaHCO ₃ mixture by HCl using Phenolphthalein indicator. 2.Practice classes.	3
			Practical CC1C/GE3: Identification of pure organic compounds: oxalic acid, succinic acid	2		2
Aug	Theory: CC1A/GE1: Stereochemistry CC1A/ GE 1: Solubility Test of solid organic compounds.	6 2	Theory CC1C/GE3: Nitration, Halogenation, Sulphonation, Friedel Craft Alkylation, acetylation and side chain oxidation of aromatic hydrocarbons.	5	Theory DSE 1A : Fertilizers Practical DSE1A: 1.Titration of HCl and CH ₃ COOH mixture by NaOH using different indicators. 2.Practice classes.	4
			Practical CC1C/GE3: Identification of pure organic compounds: Salicylic Acid, Benzoic Acid	2		2
Sept	Theory: CC1A/GE1: Substitution and Elimination Reaction: SN ₁ , SN ₂ , E ₁ , E ₂ , Saytzeff and Hoffmann Elimination Alkanes. Preparation: Catalytic hydrogenation, Wurtz Reaction, Kolbe Synthesis, From Grignard Reagent. Practical CC1A/GE1: Detection of functional group: -COOH, phenolic -OH, carbonyl group.	6 2	Theory CC1C/GE3: Aryl Halides, Preparation from Phenol, Sandmeyer Reaction, Nucleophilic Aromatic Substitution, Effect of Nitro group	4	Theory DSE 1A: Glass and Ceramics : Part 1 Practical DSE 1A: 1.Estimation of total hardness of water by standard EDTA solution. 2. Practice classes.	3
			Practical CC1C/GE3: Identification of pure organic compounds: Resorcinol, Urea	2		2
Oct	Theory: CC1A/ GE1: Reaction of alkanes: General Mechanism for free radical substitution and Halogenation; Alkene. Preparation: Dehydration of Alcohol, Dehydrohalogenation. Cis Alkene and Trans Alkene. Practical CC1A/GE1: Detection of functional group: Ar -NO ₂ and Ar -NH ₂ group	6 2	Theory CC1C/GE3 : Grignard Reagent, Preparation, Concept of Umpolung, Reformatsky reaction	4	Theory DSE 1A : Glass and Ceramics: Part 2 Practical DSE 1A: Practice classes	3
			Practical CC1C/GE3 : Identification of pure organic compounds: Glucose, Acetone	2		2
Nov	Theory: CC1A/GE1: Alkene. Cis		Theory CC1C/GE3 : Reimer Tiemann		Theory	

	addition, Trans addition, Markownikoff's Addition and anti Markownikoff's Addition, hydration, ozonolysis, oxymercuration, demercuration, hydroboration, oxidation. CC1A/GE1: Detection of unknown organic sample	4 2	Reaction, Houben Hoesch Reaction, Schotten Baumann Reaction, Fries and Claisen Rearrangements, Problems with examples Practical CC1C/GE3 :Identification of pure organic compounds: Aniline , Nitrobenzene	5 2 2	DSE 1A : Cement Practical DSE 1A : Practice classes	3 2
Dec	Theory: CC1A/GE1: Organic chemistry Alkyne. Preparation and conversion into higher alkynes. Formation of metal acetylides, addition of Br ₂ and alkaline KMnO ₄ Practical CC1A/GE1: Organic Chemistry Practice classes	4 2	Theory Revision and discussion of previous lessons Practical CC1C/GE3 :Unknown Samples	3 1 1	Theory DSE1A : Revision and doubt clearing classes Practical DSE 1A : Revision	3 3
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
Jan	Theory CC1B/GE2: Practical CC1B/GE2:		Theory CC1D/GE4:Environmental Chemistry: Hydrosphere : Environmental Role of Water Practical CC1D/GE4: Estimation of total hardness of water by titration with EDTA.	4 2 2	Theory DSE-1B : Amino acids Practical DSE-1B: 1. Nitration of acetanilide 2.. practice classes	4 2
Feb	Theory CC1B/GE2: Practical CC1b/GE2 :		Theory CC1D/GE 2- Waste Water Management Practical CC1D/GE4: 3. Acid Catalysed Hydrolysis of Ester	3 2	Theory DSE-1B: Carbohydrates: Part 1 Practical DSE-1B : Hydrolysis of Benzamide, Practice classes	4 3

Mar	Theory CC1b/GE2 : Practical CC1b/ GE 2:		Theory CC1D/GE4: BOD, COD , DO and Hardness parameters of water etc. Practical CC1D/GE4: Determination of strength of H2O2	4 2	Theory DSE-1B : Carbohydrates: Part 2 Practical DSE-1B : Benzoylation of Aniline. Practice classes .	4 3
Apr	Theory CC1b/GE2 : Practical CC1b/ GE 2:		Theory SEC 2 : Drugs and Pharmaceutical Chemistry: Drug <u>discovery and synthesis, use and</u> <u>adverse effects of analgesic,</u> <u>antipyretic and anti</u> <u>inflammatory drugs.</u> Practical CC1D/GE4: Revision.	5 2	Theory DSE 1B: Drugs and Pharmaceuticals: Preparation and uses of Aspirin, Paracetamol, Sulphadiazine, Metronidazole Practical DSE-1B: Estimation of saponification value of oil. Practice classes .	3 2
May	Theory CC1b/GE2 :		Theory SEC 2 : Synthesis, use and adverse effects of antibiotic, anti	5	Theory DSE-1B: Pesticides: Gammoxene,	

	Practical CC1b/GE2 :		bacterial and anti fungal drugs. Practical CC1D/GE4 : Revision	2	Parathion, DDT Practical DSE-1B : Estimation of Acetic acid in commercial vinegar	2 3
June	Theory CC1b/GE2 : Practical CC1b/ GE2 :		Theory SEC 2 : Synthesis, use and adverse effects of antiviral and CNS depressant drugs, HIV related drugs. Practical CC1D/GE4 : Practical Revision	4 3	Theory DSE 1B: Food additives Practical DSE-1B: Revision classes	3 2



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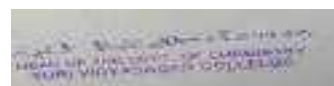
DEPARTMENT OF CHEMISTRY

TEACHING PLAN OF SOURAV KUMAR DAS
Chemistry (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lectures	Sem-III (G)	No. of Lectures	Sem-V (G)	No. of Lectures
Jul	Practical CC-1A: Detection of special elements (N, Cl, and S) in organic compounds. 2. Solubility and Classification (solvents: H ₂ O, dil. HCl, dil. NaOH)	6	Theory CC-1C: Thermodynamic conditions for equilibrium, K _P , K _C and K _X	6		
Aug	Practical: CC-1A: Detection of functional groups: Aromatic-NO ₂ , Aromatic -NH ₂ ,	6	Theory CC-1C: van't Hoff's reaction isotherm, Le Chatelier's principle	6		
Sept	Practical : CC-1A: Detection of functional groups: -COOH, carbonyl, -OH (phenolic) in solid organic compounds. Estimation of Cu (II) ions iodometrically using Na ₂ S ₂ O ₃ .	10	Theory: CC-1C: degree of ionization, ionic product, Salt hydrolysis, pH	8		
Oct	Practical : CC-1A: Estimation of water of crystallization in Mohr's salt by titrating with KMnO ₄ . 4. Estimation of Fe (II) ions by titrating it with K ₂ Cr ₂ O ₇ using internal indicator.	6	Theory : CC-1C: Buffer solutions; Solubility, solubility product, applications	8		
Nov	Practical : CC-1A: Estimation of sodium carbonate and sodium hydrogen carbonate present in	8	Theory : SEC Biochemistry of disease	6		

	a mixture. 2. Estimation of oxalic acid by titrating it with KMnO_4 .					
Dec	Practical: CC-1A: Practice	4	Theory : CC-1C: Doubt clearing, special classes	4	;	
Jan	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	PRACTICAL CC-1B Acid Radicals: Cl^- , Br^- , I^- , NO_2^- , NO_3^-	5	Theory : CC-1D: cell constant, specific conductance and molar conductance; Practical : CC-1D To find the total hardness of water by EDTA titration.	6 4	Theory : DSE-1B (Theo) Carboxylic acids (aliphatic and aromatic):	8
Feb	PRACTICAL CC-1B S^{2-} , SO_4^{2-} , PO_4^{3-} , BO_3^{3-} , H_3BO_3 .	5	Theory : Kohlrausch's law, Ostwald's dilution law; Ostwald's dilution law; Practical : CC-1D To find the PH of an unknown solution by comparing color of a series of HCl solutions + 1 drop of methyl orange,	10 4	Theory : DSE-1B Carboxylic acid derivatives (aliphatic):	6
Mar	PRACTICAL CC-1B Basic Radicals:	5	Theory : CC-1D: Faraday's laws of electrolysis, rules of	4	Theory : DSE-1B Carboxylic acid derivatives	

	Na ⁺ , K ⁺ , Ca ²⁺ , Sr ²⁺ , Ba ²⁺ ,		oxidation/reduction of ions based on half-cell potentials, applications of electrolysis in metallurgy and industry Practical: CC-1D To find the PH of an unknown solution by comparing color of NaOH solutions + 1 drop of phenolphthalein.	4		8
Apr	PRACTICAL CC-1B Basic Radicals: Mn ²⁺ , Fe ³⁺ , Ni ²⁺ , Cu ²⁺ , NH ₄ ⁺ .	5	Theory : CC-1D Chemical cells, reversible and irreversible cells Practical :CC – 1D Determination of the strength of the H ₂ O ₂ sample. 5. To determine the solubility of a sparingly soluble salt, e.g. KHTa (one bottle	6 6	Theory : DSE-1B: Amines,	8
May	PRACTICAL CC-1B Practice class	4	Theory : CC-1D: Concentration cells Practical : CC-1D To determine the rate constant for the acid catalysed hydrolysis of an ester.	6 4	Theory: DSE-1B Diazonium salts, Nitro compounds	8
June	PRACTICAL CC-1B Practice class	4	Theory : THEORY: CC-1D Special classes PRACTICAL :CC-1D Practice class	4 6	Theory : DSE-1B Special classes Doubt clearing	5



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DEPARTMENT OF CHEMISTRY

TEACHING PLAN OF DR. TRIJIT BHATTACHARYYA
Chemistry (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	<p>Theory: CC1: Bonding and Physical properties: electronic displacement</p> <p>Practical CC1: Separation of Binary mixture</p>	6 4	<p>Theory CC7: <i>Chemistry of alkenes</i></p> <p>Practical CC7: <i>Qualitative Analysis of Single Solid Organic Compounds part 1</i></p>	6 2	<p>Theory CC12: Heterocyclic compounds Part I</p> <p>Practical CC12: TLC separation of a mixture containing 2/3 amino acids 2. TLC separation of a mixture of dyes (fluorescein and methylene blue)</p>	6 2
Aug	<p>Theory: CC1: General Treatment of reaction Mechanism</p> <p>Practical CC1: Separation of Binary mixture</p>	4 2	<p>Theory CC7: <i>Chemistry of alkynes</i></p> <p>Practical CC: <i>Qualitative Analysis of Single Solid Organic Compounds Part 2</i></p>	4 2	<p>Theory CC12: Heterocyclic compounds Part II</p> <p>Practical CC12: Paper chromatographic separation of a mixture containing 2/3 amino acids</p>	6 4
Sept	<p>Theory: CC1: Stereochemistry: symmetry elements, point group and projection formula</p> <p>Practical CC1: Determination of boiling point of liquid</p>	4 2	<p>Theory CC7: <i>Carbonyl and Related Compounds Part I</i></p> <p>Practical CC7: Melting point of the given compound Preparation of one derivative of the given sample Part I</p>	6 2	<p>Theory CC12: Cyclic Stereochemistry</p> <p>Practical CC12: Column chromatographic separation of mixture of dyes</p>	8 2
Oct	<p>Theory: CC1: Stereochemistry: Optical activity and absolute configuration</p> <p>Practical</p>	7	<p>Theory CC7: <i>Carbonyl and Related Compounds Part II</i></p>	6	<p>Theory CC12: Pericyclic reactions Part I</p>	8

	CC1: Separation of Binary mixture	2	Practical CC7: Preparation of one derivative of the given sample Part 2	2	Practical CC12: Spectroscopic Analysis of Organic Compounds: Part 1	2
Nov	Theory: CC1: Reactive Intermediates Practical CC1: Practical Revision	7	Theory CC7: <i>Organic Name reactions</i>	7	Theory CC12: Pericyclic reactions Part II	4
		2	Practical CC7: Detection of unknown organic sample	2	Practical CC12: Spectroscopic Analysis of Organic Compounds: Part 2	4
Dec	Theory: CC1: Organic chemistry Special classes + doubt clearing+ discussions Practical CC1: Organic Chemistry Practice classes	4	Theory CC6: <i>Mechanism of hydrolysis of ester and related compounds</i>	3	Theory CC12: Doubt clearing	4
		2	Practical CC7: Revision	1	Practical CC12: Revision	1
Jan	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	Theory CC3: <i>Stereochemistry II</i> Concept of prostereoisomerism :	6	Theory CC10 <i>The Logic of Organic Synthesis: Retrosynthetic analysis</i>	5	Theory DSE-3: Twelve principles and goals of green Chemistry,	3
	Practical CC3: Nitration of acetanilide,	2	Practical CC101. Estimation of glucose by titration using Fehling's solution	2	Practical DSE-3: Benzoin condensation using Thiamine Hydrochloride as a catalyst	2
Feb	Theory CC3: Chirality arising out of		Theory CC10: <i>The Logic of Organic</i>	5	Theory DSE-3: Green solvents Part I	

	<p>stereoaxis</p> <p>Practical CC3: Acetylation of phenols/aromatic amines</p>	<p>5</p> <p>2</p>	<p><i>Synthesis</i>: Strategy of ring synthesis</p> <p>Practical CC10: 3. Estimation of aromatic amine (aniline) by bromination (Bromate-Bromide) method</p>	<p>2</p>	<p>Practical DSE-3: Photoreduction of benzophenone to benzopinacol in the presence of sunlight.</p>	<p>3</p> <p>4</p>
Mar	<p>Theory CC3: Conformation.</p> <p>Practical CC3: 1. Side chain oxidation of toluene and p-nitrotoluene</p>	<p>5</p> <p>2</p>	<p>Theory CC10: <i>Organic Spectroscopy, IR spectra</i></p> <p>Practical CC10: Estimation of formaldehyde (Formalin)</p>	<p>4</p> <p>2</p>	<p>Theory DSE-3: Green solvents Part2</p> <p>Practical DSE-3: Preparation of propene by two methods can be studied, Other types of reactions, like addition, elimination, substitution and rearrangement should also be studied for the calculation of atom economy.</p>	<p>4</p> <p>2</p>
Apr	<p>Theory CC3: Nucleophilic substitution reactions Part 1</p> <p>Practical CC3: 1. Diazo coupling reactions of aromatic amines</p>	<p>6</p> <p>2</p>	<p>Theory CC10: <i>Organic Spectroscopy, NMR spectra, Part 1</i></p> <p>Practical CC10 7. Estimation of urea (hypobromite method)</p>	<p>6</p> <p>2</p>	<p>Theory Rightfit pigment,</p> <p>Practical DSE-3: Revision</p>	<p>3</p> <p>2</p>

May	<p>Theory CC3: Nucleophilic substitution reactions Part 2</p> <p>Practical CC3: 1. Selective reduction of m-dinitrobenzene to m-nitroaniline</p>	<p>6</p> <p>2</p>	<p>Theory CC10: <i>Organic Spectroscopy: NMR Spectra Part II</i></p> <p>Practical CC10: Revision</p>	<p>6</p> <p>2</p>	<p>Theory DSE-3: Healthier Fats and oil by Green Chemistry, Ultrasound assisted reactions: Simmons-Smith reaction.</p> <p>Practical DSE-3: Revision</p>	<p>4</p> <p>2</p>
June	<p>Theory CC3: Stereoselectivity and Stereospecificity, doubt clearing</p> <p>Practical CC3: Practical revision</p>	<p>2</p> <p>2</p>	<p>Theory CC10: Application Of Spectroscopy and Doubt clearing</p> <p>Practical CC10: Practical Revision</p>	<p>2</p> <p>1</p> <p>3</p>	<p>Theory CC14: Microwave assisted reactions in water, . Future scope of green chemistry</p> <p>Practical DSE-3: Revision</p>	<p>6</p> <p>2</p>



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DEPARTMENT OF CHEMISTRY

TEACHING PLAN OF PROF PANKAJ ROY Chemistry (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lectures	Sem-III (H)	No. of Lectures	Sem-V (H)	No. of Lectures
Jul	Theory: CC2: Kinetic Theory of gases: Collision of gas molecules; Role of Temperature and theories of reaction rate: Practical CC2: Determination of pH of unknown solution.	8 2	Theory CC5: <i>Transport Processes:</i> Fick's law: . Practical CC5; Study of saponification reaction conductometrically.	6 4	Theory DSE1: Statistical Thermodynamics: Configuration: Macrostates, microstates and configuration; ; Practical : DSE1: Computer Programming : Basic idea.	6 4
Aug	Theory: CC2: Maxwell's distribution of speed and energy. Practical: CC2: Determination of the reaction rate constant .	8 2	Theory CC5: Viscosity. Practical CC5: Study of viscosity of unknown liquid.	8 4	Theory DSE1: Statistical Thermodynamics Boltzmann distribution. Practical: DSE1: Computer Programming ; Roots of equations.	6 4
Sept	Theory: CC2: Kinetic energy distribution. Practical : CC2: Determination of the reaction rate constant.	8 4	Theory: CC5: Conductance and transport number. Practical : CC5: Conductometric titration.	12 6	Theory: Statistical Thermodynamics: Partition function. Practical : DSE1: Computer Programming; Numerical differentiation .	8 4
Oct	Theory: CC2: Chemical kinetics; Rate law, order. Practical : CC2: Determination of solubility product.	6 2	Theory : CC5: Conductance, Kohlrausch's law. Practical : CC5: Verification of Ostwald's dilution law.	4 2	Theory : DSE1: Special selected topics: Specific heat of solid. Practical : DSE1: Computer Programming ; Numerical differentiation.	6 4

Nov	Theory: CC2:Enzyme catalysis reaction. Practical : CC2: Study of kinetics of hydrolysis.	8 4	Theory : CC5:Nernst's distribution law; Practical : CC5:1. Determination of partition coefficient .	7 4	Theory: DSE1: 3rd law: Absolute entropy, Nernst heat theorem. Practical:DSE1: Computer Programming ;Numerical integration	4 2
Dec	Theory: CC2: Special classes + doubt clearing+ discussions Practical CC2: Practice classes	4 2	Theory : CC5: Thermodynamic parameters of mixing; Concept of standard states. Practical CC5: . Determination of K_{eq} for $KI + I_2 = KI_3$,	4 4	Theory : DSE1: Special classes. Practical: DSE1: Computer Programming Practice;	4 2
Jan	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
			Theory : CC8:Application of Thermodynamics – II :Colligative properties: Raoult's law; Practical : CC8: Determination of solubility of sparingly soluble salt.	4 4	Theory : CC14;Surface phenomenon; Surface tension and energy: Practical : CC14:Determination of surface tension of a liquid. Theory : DSE3: Introduction and history of polymeric materials . Practical : DSE4: Polymer Synthesis 1. Preparation of nylon 66/6 .	8 4 4 4
Feb			Theory : CC8: Application of Thermodynamics – II Colligative properties;Relative lowering of vapour pressure, Elevation of boiling point, Depression of freezing point,Osmotic pressure. Practical :	10	Theory : CC14:Surface phenomenon; Adsorption: Practical : CC14: Determination of CMC from surface tension measurements. Theory : DSE3:Determination of molecular weight of	8 2 4

			<p>CC8: Determination of solubility of sparingly soluble salt in water.</p>	4	<p>polymers ;Molecular weight distribution and its significance. Practical : DSE3: Determination of hydroxyl number of a polymer.</p>	2
Mar			<p>Theory : CC8: <i>Application of Thermodynamics – II</i>;Phase rule :</p> <p>Practical: CC8; Study of phenol-water phase diagram.</p>	8 4	<p>Theory : CC14:Surface phenomenon & heterogenous catalysis .</p> <p>Practical : CC14: Determination of CMC from surface tension measurements.</p> <p>Theory: DSE3:Functionality and its importance ;</p> <p>Practical : DSE3:Polymer Characterization ;</p>	6 4 4 4
Apr			<p>Theory : CC8:<i>Application of Thermodynamics – II</i> ;Phase rule ;Phase diagram for water, CO₂, Sulphur.</p> <p>Practical : CC8;Effect of ionic strength.</p>	6 4	<p>Theory : CC14:Colloids:</p> <p>Practical : CC14: Determination of pH of unknown buffer, spectrophotometrically.</p> <p>Theory : DSE3;Properties of Polymer ;</p> <p>Practical : DSE3; Preparations of novalac resin/ resold resin.</p>	6 2 4 2
May			<p>Theory : CC8: <i>Application of Thermodynamics – II</i>;Binary solutions: Liquid-liquid phase diagram.</p> <p>Practical : CC8; Determination of K_{sp} for AgCl.</p>	6 4	<p>Theory CC14: Surface phenomenon : zeta potential; Micelle</p> <p>Practical : CC14:Verification of Beer and Lambert's Law.</p> <p>Theory : DSE3:Kinetics of Polymerization ;</p>	4 2 4

					Practical : DSE3: Polymer Characterization.	4
June			Theory : CC8: <i>Application of Thermodynamics – II</i> Special classes	4	Theory : CC14: Rate of Photochemical processes: HI decomposition, H ₂ -Br ₂ reaction, Practical : CC14: Determination of pH of unknown buffer, spectrophotometrically. Theory : DSE3: Glass transition temperature. Practical : DSE3: Polymer Analysis:	6 4 2 2

TEACHING PLAN OF DEBABRATA SAHA
Chemistry (Honours) 2022-23) (July 2022-June 2023)

Month	SEM-I (H)	SEM-III(H)	SEM-V(H)
Jul	No Inorganic Core Course for SEM-I Honours. No Classes.	CC-6 MODULE-1B UNIT-I & II Covalent bond: Polarizing power and polarizability, ionic potential, Fazan's rules. Lewis structures, formal charge. Valence Bond Theory. The hydrogen molecule (Heitler-London approach), directional character of covalent bonds, hybridizations, equivalent and non-equivalent hybrid orbitals.	CC-11 MODULE-02 UNIT-1 (Transition Elements): General comparison of 3d, 4d and 5d elements in term of electronic configuration, oxidation states, redox properties, coordination chemistry.
Aug		CC-6 MODULE-1B UNIT-III Bent's rule, Dipole moments, VSEPR theory, shapes of molecules and ions containing lone pairs and bond pairs (examples from main groups chemistry) and multiple bonding (σ and π bond approach).	MODULE-03 UNIT-I (Lanthanoids and Actinoids): General Comparison on Electronic configuration, oxidation states, colour, spectral and magnetic properties; lanthanide contraction, separation of lanthanides (ion-exchange method only).
Sept		CC-6 MODULE-2B UNIT-I Metallic Bond: Qualitative idea of valence bond and band theories. Semiconductors and insulators, defects in solids stoichiometric and non-stoichiometric.	DSE-2 MODULE-01 (Qualitative and quantitative aspects of analysis): UNIT-I Sampling, evaluation of analytical data, errors, accuracy and precision, methods of their expression. UNIT-II Normal law of distribution, indeterminate errors, statistical test of data; F, Q, t test, rejection of data & confidence intervals.
Oct		CC-6 MODULE-2C UNIT-I Weak Chemical Forces: van der Waals forces, ion-dipole forces, dipole-dipole interactions, induced dipole interactions, Instantaneous dipole-induced dipole interactions. Repulsive forces.	DSE-2 MODULE-02 (Optical methods of analysis): UNIT-I Origin of spectra, fundamental laws of spectroscopy and selection rules, validity of Beer-Lambert's law. UNIT-II UV-Visible Spectrophotometry: Basic principles of instrumentation (choice of source, monochromator and detector) for single and double beam instrument;
Nov		CC-6 MODULE-02 UNIT-II Intermolecular forces: Hydrogen bonding (theories of hydrogen bonding, valence bond treatment), receptor-guest interactions, Halogen bonds. Effects of chemical force, melting and boiling points.	DSE-2 MODULE-02 UNIT-V Flame Atomic Absorption and Emission Spectroscopy: Basic principles of instrumentation (choice of source, monochromator, and detector, choice of flame and Burner designs. Techniques of atomization and sample introduction; background correction, sources of chemical interferences and their removal. Techniques for the quantitative estimation of trace level of metal ions from environmental samples.
Dec		CC-6 MODULE-03 UNIT-I Nuclear stability and nuclear binding energy. Nuclear forces: meson exchange theory. Nuclear models (elementary idea): Concept of nuclear quantum number, magic numbers.	DSE-2 MODULE-05 (Separation techniques): UNIT-I Solvent extraction: Classification, principle and efficiency of the technique. Mechanism of extraction: extraction by solvation and chelation. UNIT-II Technique of extraction: batch, continuous and counter current extractions. UNIT-III Qualitative and quantitative aspects of solvent extraction: extraction of metal ions from aqueous solution, extraction of organic species from the aqueous and nonaqueous media. UNIT-IV Chromatography: Classification, principle and efficiency of the technique. Mechanism of separation: adsorption, partition & ion exchange.
	SEM-II(H)	SEM-IV (H)	SEM-VI(H)
Jan	CC-3 MODULE-02 UNIT-I & II Modern IUPAC Periodic table, Effective nuclear charge, screening effects and penetration, Slater's rules.	CC-9 MODULE-02 UNIT-I Relative stability of different oxidation states, diagonal relationship and anomalous behaviour of first member of each group. Allotropy and catenation.	MODULE-08 UNIT-I Significant figures, precision and accuracy, errors – systematic and random, mean, variance, standard deviation, different forms of standard deviations, sample and universal standard deviations. UNIT-II Qualitative idea about different frequency distribution, normal distribution, mathematical expression for normal distribution, calculation of area under normal distribution curve by numerical integration, relation between probability and area. UNIT-III Propagation of errors, general and specific cases, functions involving multiplication, division, exponential and logarithmic calculations.
Feb	CC-3	CC-9	MODULE-08



Head of the Department,
Department of Chemistry,
Suri Vidyasagar College

TEACHING PLAN OF DEBABRATA SAHA
Chemistry (Honours) 2021-22) (July 2021-June 2022)

Month	SEM-I (H)	SEM-III(H)	SEM-V(H)
Jul	No Inorganic Core Course for SEM-I Honours. No Classes.	CC-6 MODULE-1B UNIT-I & II Covalent bond: Polarizing power and polarizability, ionic potential, Fazan's rules. Lewis structures, formal charge. Valence Bond Theory. The hydrogen molecule (Heitler-London approach), directional character of covalent bonds, hybridizations, equivalent and non-equivalent hybrid orbitals.	CC-11 MODULE-02 UNIT-1 (Transition Elements): General comparison of 3d, 4d and 5d elements in term of electronic configuration, oxidation states, redox properties, coordination chemistry.
Aug		CC-6 MODULE-1B UNIT-III Bent's rule, Dipole moments, VSEPR theory, shapes of molecules and ions containing lone pairs and bond pairs (examples from main groups chemistry) and multiple bonding (σ and π bond approach).	MODULE-03 UNIT-I (Lanthanoids and Actinoids): General Comparison on Electronic configuration, oxidation states, colour, spectral and magnetic properties; lanthanide contraction, separation of lanthanides (ion-exchange method only).
Sept		CC-6 MODULE-2B UNIT-I Metallic Bond: Qualitative idea of valence bond and band theories. Semiconductors and insulators, defects in solids stoichiometric and non-stoichiometric.	DSE-2 MODULE-01 (Qualitative and quantitative aspects of analysis): UNIT-I Sampling, evaluation of analytical data, errors, accuracy and precision, methods of their expression. UNIT-II Normal law of distribution, indeterminate errors, statistical test of data; F, Q, t test, rejection of data & confidence intervals.
Oct		CC-6 MODULE-2C UNIT-I Weak Chemical Forces: van der Waals forces, ion-dipole forces, dipole-dipole interactions, induced dipole interactions, Instantaneous dipole-induced dipole interactions. Repulsive forces.	DSE-2 MODULE-02 (Optical methods of analysis): UNIT-I Origin of spectra, fundamental laws of spectroscopy and selection rules, validity of Beer-Lambert's law. UNIT-II UV-Visible Spectrophotometry: Basic principles of instrumentation (choice of source, monochromator and detector) for single and double beam instrument;
Nov		CC-6 MODULE-02 UNIT-II Intermolecular forces: Hydrogen bonding (theories of hydrogen bonding, valence bond treatment), receptor-guest interactions, Halogen bonds. Effects of chemical force, melting and boiling points.	DSE-2 MODULE-02 UNIT-V Flame Atomic Absorption and Emission Spectroscopy: Basic principles of instrumentation (choice of source, monochromator, and detector, choice of flame and Burner designs. Techniques of atomization and sample introduction; background correction, sources of chemical interferences and their removal. Techniques for the quantitative estimation of trace level of metal ions from environmental samples.
Dec		CC-6 MODULE-03 UNIT-I Nuclear stability and nuclear binding energy. Nuclear forces: meson exchange theory. Nuclear models (elementary idea): Concept of nuclear quantum number, magic numbers.	DSE-2 MODULE-05 (Separation techniques): UNIT-I Solvent extraction: Classification, principle and efficiency of the technique. Mechanism of extraction: extraction by solvation and chelation. UNIT-II Technique of extraction: batch, continuous and counter current extractions. UNIT-III Qualitative and quantitative aspects of solvent extraction: extraction of metal ions from aqueous solution, extraction of organic species from the aqueous and nonaqueous media. UNIT-IV Chromatography: Classification, principle and efficiency of the technique. Mechanism of separation: adsorption, partition & ion exchange.
	SEM-II(H)	SEM-IV (H)	SEM-VI(H)
Jan	CC-3 MODULE-02 UNIT-I & II Modern IUPAC Periodic table, Effective nuclear charge, screening effects and penetration, Slater's rules.	CC-9 MODULE-02 UNIT-I Relative stability of different oxidation states, diagonal relationship and anomalous behaviour of first member of each group. Allotropy and catenation.	MODULE-08 UNIT-I Significant figures, precision and accuracy, errors – systematic and random, mean, variance, standard deviation, different forms of standard deviations, sample and universal standard deviations. UNIT-II Qualitative idea about different frequency distribution, normal distribution, mathematical expression for normal distribution, calculation of area under normal distribution curve by numerical integration, relation between probability and area. UNIT-III Propagation of errors, general and specific cases, functions involving multiplication, division, exponential and logarithmic calculations.
Feb	CC-3	CC-9	MODULE-08



Head of the Department,
Department of Chemistry,
Suri Vidyasagar College

TEACHING PLAN OF DEBABRATA SAHA
Chemistry (Honours) 2021-22) (July 2021-June 2022)

Month	SEM-I (H)	SEM-III(H)	SEM-V(H)
Jul	No Inorganic Core Course for SEM-I Honours. No Classes.	CC-6 MODULE-1B UNIT-I & II Covalent bond: Polarizing power and polarizability, ionic potential, Fazan's rules. Lewis structures, formal charge. Valence Bond Theory. The hydrogen molecule (Heitler-London approach), directional character of covalent bonds, hybridizations, equivalent and non-equivalent hybrid orbitals.	CC-11 MODULE-02 UNIT-1 (Transition Elements): General comparison of 3d, 4d and 5d elements in term of electronic configuration, oxidation states, redox properties, coordination chemistry.
Aug		CC-6 MODULE-1B UNIT-III Bent's rule, Dipole moments, VSEPR theory, shapes of molecules and ions containing lone pairs and bond pairs (examples from main groups chemistry) and multiple bonding (σ and π bond approach).	MODULE-03 UNIT-I (Lanthanoids and Actinoids): General Comparison on Electronic configuration, oxidation states, colour, spectral and magnetic properties; lanthanide contraction, separation of lanthanides (ion-exchange method only).
Sept		CC-6 MODULE-2B UNIT-I Metallic Bond: Qualitative idea of valence bond and band theories. Semiconductors and insulators, defects in solids stoichiometric and non-stoichiometric.	DSE-2 MODULE-01 (Qualitative and quantitative aspects of analysis): UNIT-I Sampling, evaluation of analytical data, errors, accuracy and precision, methods of their expression. UNIT-II Normal law of distribution, indeterminate errors, statistical test of data; F, Q, t test, rejection of data & confidence intervals.
Oct		CC-6 MODULE-2C UNIT-I Weak Chemical Forces: van der Waals forces, ion-dipole forces, dipole-dipole interactions, induced dipole interactions, Instantaneous dipole-induced dipole interactions. Repulsive forces.	DSE-2 MODULE-02 (Optical methods of analysis): UNIT-I Origin of spectra, fundamental laws of spectroscopy and selection rules, validity of Beer-Lambert's law. UNIT-II UV-Visible Spectrophotometry: Basic principles of instrumentation (choice of source, monochromator and detector) for single and double beam instrument;
Nov		CC-6 MODULE-02 UNIT-II Intermolecular forces: Hydrogen bonding (theories of hydrogen bonding, valence bond treatment), receptor-guest interactions, Halogen bonds. Effects of chemical force, melting and boiling points.	DSE-2 MODULE-02 UNIT-V Flame Atomic Absorption and Emission Spectroscopy: Basic principles of instrumentation (choice of source, monochromator, and detector, choice of flame and Burner designs. Techniques of atomization and sample introduction; background correction, sources of chemical interferences and their removal. Techniques for the quantitative estimation of trace level of metal ions from environmental samples.
Dec		CC-6 MODULE-03 UNIT-I Nuclear stability and nuclear binding energy. Nuclear forces: meson exchange theory. Nuclear models (elementary idea): Concept of nuclear quantum number, magic numbers.	DSE-2 MODULE-05 (Separation techniques): UNIT-I Solvent extraction: Classification, principle and efficiency of the technique. Mechanism of extraction: extraction by solvation and chelation. UNIT-II Technique of extraction: batch, continuous and counter current extractions. UNIT-III Qualitative and quantitative aspects of solvent extraction: extraction of metal ions from aqueous solution, extraction of organic species from the aqueous and nonaqueous media. UNIT-IV Chromatography: Classification, principle and efficiency of the technique. Mechanism of separation: adsorption, partition & ion exchange.
	SEM-II(H)	SEM-IV (H)	SEM-VI(H)
Jan	CC-3 MODULE-02 UNIT-I & II Modern IUPAC Periodic table, Effective nuclear charge, screening effects and penetration, Slater's rules.	CC-9 MODULE-02 UNIT-I Relative stability of different oxidation states, diagonal relationship and anomalous behaviour of first member of each group. Allotropy and catenation.	MODULE-08 UNIT-I Significant figures, precision and accuracy, errors – systematic and random, mean, variance, standard deviation, different forms of standard deviations, sample and universal standard deviations. UNIT-II Qualitative idea about different frequency distribution, normal distribution, mathematical expression for normal distribution, calculation of area under normal distribution curve by numerical integration, relation between probability and area. UNIT-III Propagation of errors, general and specific cases, functions involving multiplication, division, exponential and logarithmic calculations.
Feb	CC-3	CC-9	MODULE-08



Head of the Department,
Department of Chemistry,
Suri Vidyasagar College

TEACHING PLAN OF DEBABRATA SAHA
Chemistry (Honours) 2021-22) (July 2021-June 2022)

Month	SEM-I (H)	SEM-III(H)	SEM-V(H)
Jul	No Inorganic Core Course for SEM-I Honours. No Classes.	CC-6 MODULE-1B UNIT-I & II Covalent bond: Polarizing power and polarizability, ionic potential, Fazan's rules. Lewis structures, formal charge. Valence Bond Theory. The hydrogen molecule (Heitler-London approach), directional character of covalent bonds, hybridizations, equivalent and non-equivalent hybrid orbitals.	CC-11 MODULE-02 UNIT-1 (Transition Elements): General comparison of 3d, 4d and 5d elements in term of electronic configuration, oxidation states, redox properties, coordination chemistry.
Aug		CC-6 MODULE-1B UNIT-III Bent's rule, Dipole moments, VSEPR theory, shapes of molecules and ions containing lone pairs and bond pairs (examples from main groups chemistry) and multiple bonding (σ and π bond approach).	MODULE-03 UNIT-I (Lanthanoids and Actinoids): General Comparison on Electronic configuration, oxidation states, colour, spectral and magnetic properties; lanthanide contraction, separation of lanthanides (ion-exchange method only).
Sept		CC-6 MODULE-2B UNIT-I Metallic Bond: Qualitative idea of valence bond and band theories. Semiconductors and insulators, defects in solids stoichiometric and non-stoichiometric.	DSE-2 MODULE-01 (Qualitative and quantitative aspects of analysis): UNIT-I Sampling, evaluation of analytical data, errors, accuracy and precision, methods of their expression. UNIT-II Normal law of distribution, indeterminate errors, statistical test of data; F, Q, t test, rejection of data & confidence intervals.
Oct		CC-6 MODULE-2C UNIT-I Weak Chemical Forces: van der Waals forces, ion-dipole forces, dipole-dipole interactions, induced dipole interactions, Instantaneous dipole-induced dipole interactions. Repulsive forces.	DSE-2 MODULE-02 (Optical methods of analysis): UNIT-I Origin of spectra, fundamental laws of spectroscopy and selection rules, validity of Beer-Lambert's law. UNIT-II UV-Visible Spectrophotometry: Basic principles of instrumentation (choice of source, monochromator and detector) for single and double beam instrument;
Nov		CC-6 MODULE-02 UNIT-II Intermolecular forces: Hydrogen bonding (theories of hydrogen bonding, valence bond treatment), receptor-guest interactions, Halogen bonds. Effects of chemical force, melting and boiling points.	DSE-2 MODULE-02 UNIT-V Flame Atomic Absorption and Emission Spectroscopy: Basic principles of instrumentation (choice of source, monochromator, and detector, choice of flame and Burner designs. Techniques of atomization and sample introduction; background correction, sources of chemical interferences and their removal. Techniques for the quantitative estimation of trace level of metal ions from environmental samples.
Dec		CC-6 MODULE-03 UNIT-I Nuclear stability and nuclear binding energy. Nuclear forces: meson exchange theory. Nuclear models (elementary idea): Concept of nuclear quantum number, magic numbers.	DSE-2 MODULE-05 (Separation techniques): UNIT-I Solvent extraction: Classification, principle and efficiency of the technique. Mechanism of extraction: extraction by solvation and chelation. UNIT-II Technique of extraction: batch, continuous and counter current extractions. UNIT-III Qualitative and quantitative aspects of solvent extraction: extraction of metal ions from aqueous solution, extraction of organic species from the aqueous and nonaqueous media. UNIT-IV Chromatography: Classification, principle and efficiency of the technique. Mechanism of separation: adsorption, partition & ion exchange.
	SEM-II(H)	SEM-IV (H)	SEM-VI(H)
Jan	CC-3 MODULE-02 UNIT-I & II Modern IUPAC Periodic table, Effective nuclear charge, screening effects and penetration, Slater's rules.	CC-9 MODULE-02 UNIT-I Relative stability of different oxidation states, diagonal relationship and anomalous behaviour of first member of each group. Allotropy and catenation.	MODULE-08 UNIT-I Significant figures, precision and accuracy, errors – systematic and random, mean, variance, standard deviation, different forms of standard deviations, sample and universal standard deviations. UNIT-II Qualitative idea about different frequency distribution, normal distribution, mathematical expression for normal distribution, calculation of area under normal distribution curve by numerical integration, relation between probability and area. UNIT-III Propagation of errors, general and specific cases, functions involving multiplication, division, exponential and logarithmic calculations.
Feb	CC-3	CC-9	MODULE-08



Head of the Department,
Department of Chemistry,
Suri Vidyasagar College



DEPARTMENT OF MATHEMATICS

TEACHING PLAN OF PROF. SHUBHENDU GHOSH
Mathematics (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	CC01: Calculus Unit-2:Reduction Formula	5+1	CC06: Group Theory-1 Unit-1:Groups and its elementary property.	12+2	DSE21: Probability and Statistics Unit-1: Sample space, probability axioms, real random variables, cumulative distribution function, probability mass/density functions, mathematical expectation, moments	14+1
	CC02: Algebra Unit 2: Equivalence Relation and Partition	3+1				
Aug	CC01: Calculus Unit-2:Parametric Equation and Parametrization	4+1	CC06: Group Theory-1 Unit-2: Sub-groups and examples, Product of two sub-group	5+1	DSE21: Probability and Statistics Unit-1: Some discrete and continuous distributions Unit-2: Joint distributions and its properties. marginal and conditional distributions, expectation of function of two random variables	3+1
	CC02: Algebra Unit 2: Functions, Cardinality of a set	4+1	Unit-3: Cyclic groups and properties, Permutations and Permutation groups	7+1		11+1
Sept	CC01: Calculus Unit-2:Arc length of curve	4+1	CC06: Group Theory-1 Unit-3: Symmetric and Alternating groups, Cosets, Lagrange’s theorem and consequences including Fermat’s Little theorem	12+2	DSE21: Probability and Statistics Unit-2: Bivariate normal distribution, correlation coefficient, joint moment generating function, linear regression for two variables Unit-3: Chebyshev’s inequality, law of large numbers, Central Limit	6+1
	CC02: Algebra Unit 2: Well ordering property of positive integers, division algorithm	4+1				8+1

					theorem	
Oct	CC01: Calculus Unit-2: Area of surface of revolution	3+1	CC06: Group Theory-1 Unit-4: External direct product of a finite number of groups, normal subgroups.	7+1	DSE21: Probability and Statistics Unit-3: Markov Chains, Chapman-Kolmogorov equations, classification of states	7+1
	CC02: Algebra Unit 2: Congruence relation	2				
Nov	CC01: Calculus Unit-2: Techniques of sketching conics	3+1	CC06: Group Theory-1 Unit-4: Factor groups, Cauchy's theorem for finite abelian groups	3+1	DSE21: Probability and Statistics Unit-4: Random Samples, Sampling Distributions, Estimation of parameters,	15+1
	CC02: Algebra Unit 2: Principle of mathematical induction, Fundamental theorem of arithmetic	3+1	Unit-5: Group homomorphisms, properties of homomorphisms	10+1		
Dec	CC01: Calculus Unit-2: Group discussions and evaluation	4	CC06: Group Theory-1 Unit-5: Cayley's theorem, properties of isomorphisms, First, Second and Third isomorphism theorems. Group discussions and evaluation	7	DSE21: Probability and Statistics Unit-4: Testing of hypothesis. Group discussions and evaluation	5+1
	CC02: Algebra Unit 2: Group discussions and evaluation	4		5		5

Month	Sem-II(H)	No. of Lecture	Sem-IV(H)	No. of Lecture	Sem-VI (H)	No. of Lecture
Jan	CC03: Real Analysis Unit-3: Introduction to Sequences, Infinite series, convergence and divergence of infinite series	6+1	CC10: Ring Theory and Linear Algebra I Unit-1: Rings, properties of rings, Sub-rings, Integral domains	10+2	CC14: Ring Theory and Linear Algebra II Unit-1: Polynomial rings over commutative rings, division algorithm and consequences, principal ideal domains, factorization of polynomials	10+2
Feb	CC03: Real Analysis Unit-3: Cauchy Criterion, Tests for convergence:	8+1	CC10: Ring Theory and Linear Algebra I Unit-1: Fields, characteristic of a ring, Ideal, factor rings,	12+2	CC14: Ring Theory and Linear Algebra II Unit-1: Reducibility tests,	12+2

	Comparison test, Ratio Test		operations on ideals, prime and maximal ideals		irreducibility tests, Eisenstein criterion, and unique factorization in $Z[x]$	
Mar	CC03: Real Analysis Unit-3: Cauchy's nth root test, Integral test	8+1	CC10: Ring Theory and Linear Algebra I Unit-2: Ring homomorphisms, properties of ring homomorphisms. Isomorphism theorems I, II and III, field of quotients	12+2	CC14: Ring Theory and Linear Algebra II Unit-1: Divisibility in integral domains, irreducible, primes, unique factorization domains, Euclidean domains	10+1
Apr	CC03: Real Analysis Unit-3: Alternating series, Leibniz test	8+1	CC10: Ring Theory and Linear Algebra I Unit-4: Linear transformations, null space, range, rank and nullity of a linear transformation, matrix representation of a linear transformation, algebra of linear transformations	12+2	CC14: Ring Theory and Linear Algebra II Unit-2: Dual spaces, dual basis, double dual, transpose of a linear transformation and its matrix in the dual basis, annihilators	12+2
May	CC03: Real Analysis Unit-3: Absolute and Conditional convergence	8+1	CC10: Ring Theory and Linear Algebra I Unit-4: Isomorphisms, Isomorphism theorems, invertibility and isomorphisms	10+2	CC14: Ring Theory and Linear Algebra II Unit-2: Eigen spaces of a linear operator, diagonalizability, invariant subspaces and Cayley- Hamilton theorem, the minimal polynomial for a linear operator	12+2
June	CC03: Real Analysis Unit-3: Group discussions and evaluation	4	CC10: Ring Theory and Linear Algebra I Unit-4: Change of coordinate matrix Group discussions and evaluation	4 4	CC14: Ring Theory and Linear Algebra II Unit-2: Canonical forms Group discussions	4+1 4

					and evaluation	
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Head of the Department,
Department of Mathematics,
Suri Vidyasagar College

TEACHING PLAN OF DR. RAMPROSAD SAHA
Mathematics (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	Theory: CC1: Geometry Unit 3: Reflection properties of conics, translation and rotation of axes and second degree equations	3+2	Theory CC7: Numerical Methods Unit 4: Interpolation: Lagrange and Newton's methods, Error bounds, Finite difference operators. Gregory forward and backward difference interpolations.	5+2	Theory CC11: Partial Differential Equations and Applications Unit 3: The Cauchy problem of 2nd order partial differential equation, Cauchy-Kowalewskaya theorem,	4+4
			Practical CC7: Numerical Methods Lab Unit 7: 1. Solution of transcendental and algebraic equations by (a) Newton Raphson method.	3+3	CC12: Mechanics I Unit 1: Co-planar forces. Astatic equilibrium. Friction.	6
			Theory SEC1: Logic Unit 1: Introduction, propositions, truth table, negation	3		
Aug	Theory: CC1: Geometry Unit 3: Classification of conics using the discriminant, : polar equations of conics	3+1	Theory CC7: Numerical Methods Unit 4: Numerical differentiation: Methods based on interpolations, methods based on finite differences.	4+1	Theory CC11: Partial Differential Equations and Applications Unit 3: Cauchy problem of an infinite string, Initial and Boundary Value Problems.	3+1
			Practical CC7: Numerical Methods Lab Unit 7: 1. Solution of transcendental and algebraic equations by (b) Regula Falsi method.	3+1	CC12: Mechanics I Unit 1: Equilibrium of a particle on a rough curve. Virtual work, Forces in three dimensions.	7
			Theory SEC1: Logic Unit 1: Conjunction and disjunction. Implications, biconditional propositions	4		
Sept	Theory: CC1: Geometry Unit 3 Spheres, Cylindrical surfaces	3+3	Theory CC7: Numerical Methods Unit 5: Numerical Integration: Newton Cotes formula, Trapezoidal rule, Simpson's 1/3rd rule, Simpsons 3/8 th rule, Weddle's rule, Boole's rule. Midpoint rule, Composite Trapezoidal rule,	4+3	Theory CC11: Partial Differential Equations and Applications Unit 3: Semi-Infinite String with a fixed end, Semi-Infinite String with a Free end.	3+3
			Practical CC7: Numerical Methods Lab Unit 7: 2. Solution of system of linear equations (a) Gaussian elimination method	3+3	CC12: Mechanics I Unit 1: General conditions of equilibrium, Centre of gravity for different bodies. Stable and unstable equilibrium, Equilibrium of flexible string.	7+2
			Theory SEC1: Logic			

			Unit 1: Converse, contra positive and inverse propositions and precedence of logical operators	3				
Oct	Theory: CC1: Geometry Unit 3: Central conicoids, paraboloids	3+1	Theory CC7: Numerical Methods Unit 5: Composite Simpson's 1/3rd rule, Gauss quadrature formula.	3+2	Theory CC11: Partial Differential Equations and Applications Unit 3: Equations with non-homogeneous boundary conditions.	3+1		
			Practical CC7: Numerical Methods Lab Unit 7: 2. Solution of system of linear equations (b) Gauss-Seidel method	2+2		CC12: Mechanics I Unit 3: Degrees of freedom, Moments and products of inertia, Momental Ellipsoid.	5+1	
Nov	Theory: CC1: Geometry Unit 3: Plane sections of conicoids, Generating lines, classification of quadrics	5	Theory CC7: Numerical Methods Unit 5: The algebraic eigenvalue problem: Power method. Unit 6: Ordinary Differential Equations: The method of successive approximations	3+1	Theory CC11: Partial Differential Equations and Applications Unit 3: Non-Homogeneous Wave Equation, Method of separation of variables: Solving the Vibrating String Problem. Solving the Heat Conduction Problem.	4+4		
			Practical CC7: Numerical Methods Lab Unit 7: 3. Interpolation : Lagrange Interpolation 4. Numerical Integration (a) Trapezoidal Rule	5+3		CC12: Mechanics I Unit 3: Principal axes, D'Alembert's Principle, Motion about a fixed axis, Compound pendulum.	6+2	
Dec	Theory: CC1: Geometry Unit 3: Illustrations of graphing standard quadric surfaces like cone, ellipsoid	5	Theory CC7: Numerical Methods Unit 6: Euler's method, the modified Euler method, Runge-Kutta methods of orders two and four.	2+2	Theory CC11: Partial Differential Equations and Applications: Graphical Demonstration : 4. Solution of wave equation $\frac{\partial^2 u}{\partial t^2} - \frac{\partial^2 u}{\partial x^2} = 0$ for the following associated conditions: (a) $u(x,0) = f(x)$, $u_x(x,0) = y(x)$, $x \in \mathbb{R}$, $t > 0$. (b) $u(x,0) = f(x)$, $u_x(x,0) = y(x)$, $u(0,t) = 0$, $x \in (0, \infty)$, $t > 0$. 5. Solution of wave equation $\frac{\partial^2 u}{\partial t^2} - c^2 \frac{\partial^2 u}{\partial x^2} = 0$ for the following associated conditions: (a) $u(x,0) = f(x)$, $u(0,t) = a$, $u(l,t) = b$, $0 < x < l$, $t > 0$. (b) $u(x,0) = f(x)$, $x \in \mathbb{R}$, $0 < t < T$.	4	CC12: Mechanics I Unit 3: Motion of a system of particles, Motion of a rigid body in two dimensions under finite and impulsive forces, Conservation of momentum and energy.	5+2
			Practical CC7: Numerical Methods Lab Unit 7: 4. Numerical Integration (b) Simpson's one third rule 5. Solution of ordinary differential equations : Runge Kutta method	2+1		Theory SECI: Logic Unit 1: Quantifiers, Binding variables and Negations		4+2

	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
Jan	Theory CC4: Differential Equation Unit 1: Lipschitz condition and Picard's Theorem (Statement only). General solution of homogeneous equation of second order.	4	Theory CC9: Multivariate Calculus Unit 3: Vector operators, Gradient of a scalar function, directional derivatives.	3	Theory DSE4: Mechanics-II Unit 1: Interpretation of Newton's laws of motion, Galilean transformation, Concept of absolute length and time.	8
			Theory SEC2: Graph Theory Unit 1: Definition, examples and basic properties of graphs.		4	
Feb	Theory CC4: Differential Equation Unit 1: Principle of super position for homogeneous equation, Wronskian: its properties and applications.	6	Theory CC9: Multivariate Calculus Unit 3: Definition of vector field, divergence and curl, Line integrals.	5	Theory DSE4: Mechanics-II Unit 1: Limitations of Newton's laws in solving problems.	7+1
			Theory SEC2: Graph Theory Unit 1: Pseudo graphs, complete graphs, Bi-partite graphs isomorphism of graphs.		6	
Mar	Theory CC4: Differential Equation Unit 1: Linear homogeneous and non-homogeneous equations of higher order with constant coefficients, Euler's equation.	6	Theory CC9: Multivariate Calculus Unit 3: Fundamental theorem for line integrals, conservative vector fields, Application of line integral to Workdone.	2+2	Theory DSE4: Mechanics-II Unit 3: Constraints and their classifications, Lagrange's equation of motion for holonomic system.	10
			Theory SEC2: Graph Theory Unit 2: Eulerian circuits, Eulerian graph, semi-Eulerian graph and theorems.		7	
Apr	Theory CC4: Differential Equation Unit 1: Method of undetermined coefficients, method of variation of parameters.	4	Theory CC9: Multivariate Calculus Unit 4: Green's theorem, surface integrals.	4	Theory DSE4: Mechanics-II Unit 3: Gibbs-Appell's principle of least constraint.	8
			Theory SEC2: Graph Theory Unit 2: Hamiltonian cycles and theorems, Representation of a graph by a matrix, the adjacency matrix, incidence matrix, weighted graph.		8	
May	Theory CC4: Vector Calculus Unit 3: Triple product, introduction to vector functions. Operations with vector-valued functions, Limits and continuity of vector functions.	6	Theory CC9: Multivariate Calculus Unit 4: Integrals over parametrically defined surfaces. Stoke's theorem.	4	Theory DSE4: Mechanics-II Unit 3: Work energy relation for constraint forces of shielding friction	7
			Theory SEC2: Graph Theory Unit 3: Travelling salesman's problem, shortest path, Tree and their properties, spanning tree.		8	
June	Theory CC4: Vector Calculus Unit 3: Differentiation and integration of vector functions.	4	Theory CC9: Multivariate Calculus Unit 4: The Divergence theorem.	2+2	Theory DSE4: Mechanics-II Unit 1 & 3: Revision of Mechanics – II.	4
			Theory SEC2: Graph Theory Unit 3: Dijkstra's algorithm, Warshall algorithm.		7	

Head of the Department,
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TEACHING PLAN OF DR. PRASENJIT SAHA
Mathematics (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	CC01: Differential Equations Unit 4: Differential equations and mathematical models. General, particular solution CC02: Algebra Unit 3: Systems of linear equations	3+1 3+1	CC07: Numerical Methods Unit 1: Algorithms, Convergence, Errors: Relative, Absolute. Round off, Truncation CC07: Numerical Methods Lab (Practical)	2+1 4	CC11: Partial Differential Equations and Applications Unit 1: Basic concepts and Definitions. Mathematical Problems. First-Order Equations: Classification, Construction and Geometrical Interpretation. Method of Characteristics for obtaining General Solution of Quasi Linear Equations.	18+2
Aug	CC01: Differential Equations Unit 4: Explicit, implicit and singular solutions of a differential equation. CC02: Algebra Unit 3: Row reduction and echelon forms	3+1 2+1	CC07: Numerical Methods Unit 2: Transcendental and Polynomial equations: Bisection method, Newton's method, Secant method CC07: Numerical Methods Lab (Practical)	3+2 4	CC11: Partial Differential Equations and Applications Unit 1: Canonical Forms of First-order Linear Equations. Method of Separation of Variables for solving first order partial differential equations. Unit 2: Derivation of Heat equation, Wave equation and Laplace equation	12+2 6+2
Sept	CC01: Differential Equations Unit 4: Exact differential equations and integrating factors	4+1	CC07: Numerical Methods Unit 2: Regula falsi method, fixed point iteration, Newton-Raphson method. Rate of convergence of these methods	3+2 4	CC11: Partial Differential Equations and Applications Unit 2: Classification of second order linear equations as hyperbolic,	14+2

	CC02: Algebra Unit 3: Vector equations	3	CC07: Numerical Methods Lab (Practical)		parabolic, elliptic. Reduction of second order Linear Equations to canonical forms	
Oct	CC01: Differential Equations Unit 4: Separable equations and equations reducible to this form	3	CC07: Numerical Methods Unit 3: System of linear algebraic equations: Gaussian Elimination and Gauss Jordan methods. Gauss Jacobi method	4+2	CC11: Partial Differential Equations and Applications Unit 3: The Cauchy problem of 2nd order partial differential equation, Cauchy-Kowalewskaya theorem, Cauchy problem of an infinite string, Initial and Boundary Value Problems.	12+2
	CC02: Algebra Unit 3: The matrix equation $Ax=b$, solution sets of linear systems	2+1	CC07: Numerical Methods Lab (Practical)	4		
Nov	CC01: Differential Equations Unit 4: Linear equation and Bernoulli equations	4+1	CC07: Numerical Methods Unit 3: Gauss Seidel method and their convergence analysis, LU Decomposition	4+2	CC11: Partial Differential Equations and Applications Unit 3: Semi-Infinite String with a fixed end, Semi-Infinite String with a Free end. Equations with non-homogeneous boundary conditions. Non-Homogeneous Wave Equation	14+2
	CC02: Algebra Unit 3: Applications of linear systems	2+1	CC07: Numerical Methods Lab (Practical)	4		
Dec	CC01: Differential Equations Unit 4: Special integrating factors	3	CC07: Numerical Methods Unit 4: Ordinary Differential Equations: The method of successive approximations, Euler's method, the modified Euler method, Runge-Kutta methods of orders two and four	5+2	CC11: Partial Differential Equations and Applications Unit 3: Method of separation of variables: Solving the Vibrating String Problem. Solving the Heat Conduction	10+2
	CC02: Algebra Unit 3: linear independence	3				
	Group discussions and evaluation	2	CC07: Numerical	4		

			Methods Lab (Practical) Group discussions and evaluation	2	Problem Graphical Demonstration Group discussions and evaluation	4 2
	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
Jan	CC04: Differential Equation Unit 2: Systems of linear differential equations, types of linear systems	7+1	CC09: Multivariate Calculus Unit 1: Functions of several variables, limit and continuity, Partial differentiation, total differentiability and differentiability, sufficient condition for differentiability	12+2	DSE43: Mechanics-II Unit 2: Equilibrium of fluid in a given field of force PW01: Project Work	6+2 8
Feb	CC04: Differential Equation Unit 2: Differential operators, an operator method for linear systems with constant coefficients,	6+2	CC09 Multivariate Calculus Unit 1: Chain rule for one and two independent parameters, directional derivatives	14+2	DSE43: Mechanics-II Unit 2: Pressure in a heavy homogeneous liquid PW01: Project Work	6+2 8
Mar	CC04: Differential Equation Unit 2: Basic Theory of linear systems in normal form	6+2	CC09 Multivariate Calculus Unit 1: The gradient, Jacobian, maximal and normal property of gradient, tangent planes	14+2	DSE43: Mechanics-II Unit 2: Equilibrium of floating bodies, Isothermal and adiabatic changes in Gases PW01: Project Work	6+2 8
Apr	CC04: Differential Equation Unit 2: Homogeneous linear systems with constant coefficients: Two Equations in two unknown functions	6+2	CC09 Multivariate Calculus Unit 1: Extrema of functions of n variables with necessary and sufficient conditions, method of Lagrange multipliers	14+2	DSE43: Mechanics-II Unit 2: Convective equilibrium PW01: Project Work	6+2 8

May	CC04: Differential Equation Unit 3: Equilibrium points, Interpretation of the phase plane, Power series solution of a differential equation about an ordinary point,	6+2	CC09 Multivariate Calculus Unit 2: Double integration over rectangular region, double integration over non-rectangular region, Double integrals in polar co-ordinates	12+2	DSE43: Mechanics-II Unit 2: Stress in continuum body PW01: Project Work	6+2 8
June	CC04: Differential Equation Unit 3: Solution about a regular singular point	4	CC09 Multivariate Calculus Unit 2: Triple integrals, Triple integral over a parallelepiped and solid regions. Volume by triple integrals, cylindrical and spherical coordinates. Change of variables in double integrals and triple integrals	10+2	DSE43: Mechanics-II Unit 2: Stress quadric PW01: Project Work	6+2 8
	Group discussions and evaluation	4	Group discussions and evaluation	2	Group discussions and evaluation	2

Head of the Department,
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TEACHING PLAN OF SUJOY DAS
Mathematics (HONOURS) (2021-22) (1st July 2021 – 30th June 2022)

Month	SEM-I (H)	No. of Lectures	SEM-III (H)	No. of Lectures	SEM-V(H)	No. of Lectures
July	Paper-CC-01, Unit -1: Hyperbolic functions, higher order derivatives, Leibnitz rule and its applications to problems of type $e^{ax+b} \sin x, e^{ax+b} \cos x, (ax + b)^n \sin x, (ax + b)^n \cos x$	5+6	Paper-CC-05, Unit -1: Limits of functions ($\epsilon - \delta$ approach), sequential criterion for limits, divergence criteria. Limit theorems, one sided limits.	6+6	Paper-DSE-11, Unit -1: Introduction to linear programming problem. Theory of simplex method,	5+6
August	Paper-CC-01, Unit -1: Concavity and inflection points envelopes, asymptotes, curve tracing in Cartesian coordinates, tracing in polar coordinates of standard curves,	4+4	Paper-CC-05, Unit -1: Infinite limits and limits at infinity. Continuous functions, sequential criterion for continuity and discontinuity.	7+6	Paper-DSE-11, Unit -1: graphical solution, convex sets, optimality and unboundedness	6+4
Sept	Paper-CC-01, Unit -1: L'Hospital's rule, applications in business, economics and life sciences.	3+6	Paper-CC-05, Unit -1: Algebra of continuous functions. Continuous functions on an interval, intermediate value theorem,	6+4	Paper-DSE-11, Unit -1: The simplex algorithm	6+4

Oct	Paper-CC-02, Unit -4: Introduction to linear transformations, matrix of a linear transformation, inverse of a matrix, characterizations of invertible matrices.	6+6	Paper-CC-05, Unit -1: Location of roots theorem, preservation of intervals theorem. Uniform continuity, non-uniform continuity criteria, theorems on uniform continuity.	6+4	Paper-DSE-11, Unit -1: Simplex method in tableau format	5+4
Nov	Paper-CC-02, Unit -4: Vector Spaces of \mathbb{R}^n , Subspaces of \mathbb{R}^n , dimension of subspaces of \mathbb{R}^n , rank of a matrix, Eigen values, Eigen Vectors and Characteristic Equation of a matrix.	8+6	Paper-CC-05, Unit -4: Metric spaces: Definition and examples. Open and closed balls, neighbourhood, Open set, interior of a set. Limit point of a set, closed set, diameter of a set, subspaces,	6+8	Paper-DSE-11, Unit -4: Games with mixed strategies, graphical solution procedure,.	10+6
Dec	Paper-CC-02, Unit -4: Cayley-Hamilton theorem and its use in finding the inverse of a matrix.	4+2	Paper-CC-05, Unit -4: Dense sets, separable spaces.	4+2	Paper-DSE-11, Unit -4: near programming solution of games.	5+2
	SEM-II (H)		SEM-IV(H)		SEM-VI(H)	
Jan	Paper-CC-03, Unit -1: Review of Algebraic and Order Properties of \mathbb{R} , ε -neighbourhood of a point in \mathbb{R} . Idea of countable sets, uncountable sets and uncountability of \mathbb{R} .	4+4	Paper-CC-08, Unit -3: Pointwise and uniform convergence of sequence of functions. Theorems on Continuity, derivability and integrability of the limit function of a sequence of functions.	8+4	Paper-CC-13, Unit -1: Metric spaces: Sequences in Metric Spaces, Cauchy sequences. Complete Metric Spaces. Cantor's theorem.	5+5
Feb	Paper-CC-03, Unit -1: Bounded above sets, Bounded below sets, Bounded Sets, Unbounded sets. Suprema and Infima. Completeness Property of \mathbb{R} and its equivalent properties.	4+4	Paper-CC-08, Unit -3: Series of functions, Theorems on the continuity and derivability of the sum function of a series of functions; Cauchy criterion for uniform convergence and Weierstrass M-Test.	8+4	Paper-CC-13, Unit -2: Continuous mappings, sequential criterion and other characterizations of continuity, Uniform continuity, Connectedness, connected subsets of \mathbb{R} .	6+4
Mar	Paper-CC-03, Unit -1: The Archimedean Property, Density of Rational (and Irrational) numbers in \mathbb{R} , Intervals.	4+4	Paper-CC-08, Unit -3: Fourier series: Definition of Fourier coefficients and series, Riemann-Lebesgue lemma, Bessel's inequality, Parseval's identity, Dirichlet's condition. Examples of Fourier expansions and summation results for series.	9+4	Paper-CC-13, Unit -2: Compactness: Sequential compactness, Heine-Borel property, Totally bounded spaces,	6+4
Apr	Paper-CC-03, Unit -1: Limit points of a set, Isolated points,	3+6	Paper-CC-08, Unit -3: Power series, radius of convergence, Cauchy Hadamard Theorem. Differentiation and integration of power series; Abel's Theorem; Weierstrass Approximation Theorem.	8+4	Paper-CC-13, Unit -2: finite intersection property, and continuous functions on compact sets.	6+4
May	Paper-CC-03, Unit -1: Open set, closed set, derived set, Illustrations of Bolzano-Weierstrass theorem for sets,	3+6	Paper-CC-10, Unit -3: Vector spaces, subspaces, algebra of subspaces, quotient spaces, linear combination of vectors, linear span, linear independence, Basis and dimension, dimension of subspaces, extension,	9+6	Paper-CC-13, Unit -2: Homeomorphism, Contraction mappings, Banach Fixed point Theorem	5+6
Jun	Paper-CC-03, Unit -1: compact sets in \mathbb{R} , Heine-Borel Theorem	2+2	Paper-CC-08, Unit -3: Deletion and replacement theorems.	3+2	Paper-CC-13, Unit -2: Application of Banach Fixed point Theorem to ordinary differential equation Project Work	2+8

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Nov	Theory: CC02:Algebra Unit 1:Separation of the roots of the equations,Strums theorem	4+2	Theory CC05:Theory of Real functions Unit 3:Cauchy's mean value theorem,Taylor's theorem with Lagrange's form of remainder,Taylor's theorem with Cauchy's form of remainder,Application of Taylor's theorem to convex functions,relativeextrema Theory SEC1: Set Unit 3:Generalized union and intersections,Relation,Productset, Compositionof relations,Type of relations	10+2 2+1	Theory DSE11:Linear Programming Unit 3:Algorithm for solving transportation problem,assignmentproblem,and its mathematical formulation	10+2
Dec	Theory CC02: Unit 1:The inequality involving $AM>GM>HM$ Cauchy-Schwartz inequality	4	Theory CC05:Theory of real functions Unit 3:Taylor's series and Maclaurin's series expansions of exponential and trigonometric functions,Application of Taylor's theorem to inequalities Theory SEC1:Set Unit 3:Partitions,Equivalence Relatipns with examples of congruence modulo relation,Partial ordering relations,n -ary relation	8+1 3	Theory DSE11:Linear Programming Unit3:Hungarian method for solving assignment problem,Travelling salesman proble	8
	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
Jan	Theory CC3:Real Analysis Unit 2:Sequences,Bounded sequence,convergent sequence	3+1	Theory CC08:Riemann Integration and series of functions Unit1:Riemann integration,inequalities of upper and lower sumsDarbouxintegration,Darboux theorem	8	Theory:CC13:Complex Analysis Unit 3:Limits,Limits involving the point at infinity,continuity,properties of complex numbers	8+4
Feb	Theory CC3:Real Analysis Unit 2: .Limit of a sequence,liminf,limsup,Limit theorems	4	Theory CC08:Riemann integration and series of functions Unit1:Riemann conditions of integrability,Riemann sum and definition of Riemann integral through Riemann sums,equivalence of two definitions	8+3	Theory CC13:Complex Analysis Unit3:,regions in the complex plane,functions of complex variable ,mappings,derivatives,differentiat ion formulas	7+4
Mar	Theory CC3:Real Analysis Unit 2:Monotone sequences,Monotone	4+2	Theory CC08:Riemann integration and series of functions Unit 1:Riemann integrability of	6+4	Theory:CC13:Coplex Analysis Unit 3: Cauchy -Riemann equations,sufficient conditions for differentiability,analyticfunctions,	10+2

	convergence theorem		monotone and continuous functions, Properties of Riemann integral, definition and integrability of piecewise continuous and monotone functions		example of analytic functions, exponential functions	
Apr	Theory CC3:Real Analysis Unit 2: Subsequences, Divergence criteria, Monotone Subsequence theorem	4+2	Theory CC08:Riemann integration and series of functions Unit 1: Intermediate Value theorem for integrals, Fundamental theorem of integral calculus	8+4	Theory:CC13:Complex Analysis: Logarithmic function, trigonometric function, Derivatives of functions, definite integrals of functions, contours	10+1
May	Theory CC3:Real Analysis Unit 2: Bolzano Weierstrass theorem for sequences, Cauchy sequence	4	Theory CC908:Riemann integration and series of functions Unit 2: Improper integrals	6+3	Theory:CC13:Complex Analysis:Unit 4: contour integrals and its examples, upper bounds for moduli of contour integrals, Cauchy-Goursat theorem	8+2
June	Theory CC3:Real Analysis Unit 2: Cauchy's Convergence Criterion	4+1	Theory CC08:Riemann integration and series of functions Unit 2: Beta and Gamma function.	4+3	Theory:CC13:Complex Analysis:Unit 4: Unit 4: Cauchy integral formula and Revision of complex analysis	4

Head of the Department,
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DEPARTMENT OF ENGLISH

TEACHING PLAN OF SARANITA BOY

ENGLISH (Semester I) 2021-22 (July 2021 - June 2022)

Month	Unit / Ch	No. of Lectures	Unit-12.00	No. of Lectures	Unit / Ch	No. of Lectures
Jul	CC1: English: Global Awareness Unit 1: Introduction	2	CC3: American Literature Unit 4: The Great American CC7: British Poetry and Drama Unit 1: The Age of the Lock	4	CC11: Women's Writing Unit 4: ed. "The Indian Woman"	4
Aug	CC2: American Classical Literature Unit 2: Introduction	1	CC3: American Literature Unit 5: The Great American CC7: British Poetry and Drama Unit 3: The Age of the Lock	4	CC11: Women's Writing Unit 10: "A Blue"	1
Sept	CC1: English: Global Awareness Unit 1: Introduction	6	CC3: American Literature Unit 6: The Great American CC7: British Poetry and Drama Unit 3: The Age of the Lock	6	CC11: Women's Writing Unit 10: "Maggot"	6
Oct	CC1: English: Global Awareness Unit 1: Introduction	4	CC3: English Literature Unit 1: The English Renaissance	4	CC11: Women's Writing Unit 10: "Woman Man" EM2: American Literature Unit 1: First in Fiction	4
Nov	CC1: English: Global Awareness Unit 1: Introduction	2	CC3: English Literature Unit 7: The English Renaissance	2	EM2: American Literature Unit 2: Fiction in Fiction	2
Dec	CC1: English: Global Awareness Unit 1: Introduction	1	CC3: English Literature Unit 8: The English Renaissance	1	EM2: American Literature Unit 2: Fiction in Fiction	1

	Unit (A)		Unit (B)		Unit (C)	
Jan	CC1: James Keating in English Unit 2: Clear Light of Day	*	CC1: British Romantic Literature Unit 4 (a): "The Eve of St. Martin" & "The Rime of the Ancient Mariner"	*	CC1: Postcolonial Literature Unit 3: "The Yellow Wallpaper" & "The Story of an Hour"	14
Feb	CC1: James Keating in English Unit 2: Clear Light of Day	*	CC1: British Romantic Literature Unit 4 (a): "The Eve of St. Martin" & "The Rime of the Ancient Mariner"	*	CC1: Postcolonial Literature Unit 3: "The Yellow Wallpaper" & "The Story of an Hour"	18
Mar	CC1: James Keating in English Unit 2: Clear Light of Day	*	CC1: British Romantic Literature Unit 4 (a): "The Eve of St. Martin"	*	CC1: Postcolonial Literature Unit 3: "The Yellow Wallpaper" & "The Story of an Hour"	4 9
Apr	CC1: British Poetry, Drama & Prose and Prose Unit 3: "The Waste Land"	*	CC1: British Literature Unit 1 (a): "The Lady of Shalott"	*	CC1: Postcolonial Literature Unit 2 (a): "The Cup Song" & "The Waste Land"	4 9
May	CC1: British Poetry, Drama & Prose and Prose Unit 3: "The Waste Land"	*	CC1: The Middle Ages Unit 1: "The Canterbury Tales"	*	CC1: Postcolonial Literature Unit 2 (a): "The Cup Song" & "The Waste Land"	4 9
Jun	CC1: British Poetry, Drama & Prose and Prose Unit 3: "The Waste Land"	*	CC1: The Middle Ages Unit 1: "The Canterbury Tales"	*	CC1: Postcolonial Literature Unit 2 (a): "The Cup Song" & "The Waste Land"	4 9

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DEPARTMENT OF POLITICAL SCIENCE
TEACHING PLAN OF JAGANNATH BARMAN
Political Science (General) (July 2020 – June 2021)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
July	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; State.	10	DSE-1A Distinctive features of Indian and Western political thought	15
August	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; State.	10	DSE-1A Distinctive features of Indian and Western political thought	10
					GE-1; Ancient Indian Political Thought : Features	5
September	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Society	10	DSE-1A Locke on Rights	7
					GE-1 Kautilya's theory of Saptanga.	8
October	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Society	10	DSE-1A Kautilya on State	7
					GE-1; Kautilya's concept of Dandaniti	8
November	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Nation	10	DSE-1A Tilak on Swaraj	7
					GE-1 Rabindranath Tagore ; State, Society and Nation	8
December	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Nation	10	DSE-1A Gandhi on Swaraj	7
					GE-1 Rabindranath Tagore ; State, Society and Nation	8
January	Sem-II (H) GE-2/CC-1B The meaning of Politics	5	Sem-IV (H) GE-4/CC-1D; The Constituent Assembly:Composition	10	Sem-VI (H) DSE-1B; Globalization: Meaning and debates	7
	GE-2/CC-1B The meaning of Political Theory.		GE-4/CC-1D; The Constituent Assembly: Role		GE-2; The Constituent Assembly: Composition	8
February	GE-2/CC-1B The meaning of Political Theory.	5	GE-4/CC-1D; The Constituent Assembly: Role	10	DSE-1B; Globalization: Meaning and debates	7
					GE-2; The Constituent Assembly: Role	8
March	GE-2/CC-1B Importance of Political Theory.	5	GE-4/CC-1D; The Preamble and its Significance	10	DSE-1B; Impact of Globalization on Indian Economy	7
					GE-2; The Preamble and its Significance	8
April	GE-2/CC-1B Traditional Approach	5	GE-4/CC-1D; Nature of Indian Federalism	10	DSE-1B; Impact of Globalization on Indian Economy	7
					GE-2; Nature of Indian Federalism	8
May	GE-2/CC-1B Behavioural and Post-Behavioural Approach	5	GE-4/CC-1D; Centre-State Legislative relations.	10	GE-2; Centre-State Legislative relations.	15
June	GE-2/CC-1B Marxist Approach	5	GE-4/CC-1D; Centre-State Administrative and Financial Relations	10	GE-2; Centre-State Administrative and Financial Relations	15

DEPARTMENT OF POLITICAL SCIENCE
TEACHING PLAN OF JAGANNATH BARMAN
Political Science (General) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
July	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; State.	10	DSE-1A Distinctive features of Indian and Western political thought	15
August	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; State.	10	DSE-1A Distinctive features of Indian and Western political thought	10
					GE-1; Ancient Indian Political Thought : Features	5
September	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Society	10	DSE-1A Locke on Rights	7
					GE-1 Kautilya's theory of Saptanga.	8
October	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Society	10	DSE-1A Kautilya on State	7
					GE-1; Kautilya's concept of Dandaniti	8
November	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Nation	10	DSE-1A Tilak on Swaraj	7
					GE-1 Rabindranath Tagore ; State, Society and Nation	8
December	GE-1/ CC-1A J.S. Mill: Concept of Liberty	5	GE-3/CC-1C Rabindranath Tagore ; Nation	10	DSE-1A Gandhi on Swaraj	7
					GE-1 Rabindranath Tagore ; State, Society and Nation	8
January	Sem-II (H) GE-2/CC-1B The meaning of Politics	5	Sem-IV (H) GE-4/CC-1D; The Constituent Assembly:Composition	10	Sem-VI (H) DSE-1B; Globalization: Meaning and debates	7
	GE-2/CC-1B The meaning of Political Theory.		GE-4/CC-1D; The Constituent Assembly: Role		GE-2; The Constituent Assembly: Composition	8
February	GE-2/CC-1B The meaning of Political Theory.	5	GE-4/CC-1D; The Constituent Assembly: Role	10	DSE-1B; Globalization: Meaning and debates	7
					GE-2; The Constituent Assembly: Role	8
March	GE-2/CC-1B Importance of Political Theory.	5	GE-4/CC-1D; The Preamble and its Significance	10	DSE-1B; Impact of Globalization on Indian Economy	7
					GE-2; The Preamble and its Significance	8
April	GE-2/CC-1B Traditional Approach	5	GE-4/CC-1D; Nature of Indian Federalism	10	DSE-1B; Impact of Globalization on Indian Economy	7
					GE-2; Nature of Indian Federalism	8
May	GE-2/CC-1B Behavioural and Post-Behavioural Approach	5	GE-4/CC-1D; Centre-State Legislative relations.	10	GE-2; Centre-State Legislative relations.	15
June	GE-2/CC-1B Marxist Approach	5	GE-4/CC-1D; Centre-State Administrative and Financial Relations	10	GE-2; Centre-State Administrative and Financial Relations	15

DEPARTMENT OF PHILOSOPHY

**TEACHING PLAN OF Associate professor Rita Mukherjee
Philosophy (General) (2021-22) (July 2021 – June 2022)**

	Sem-I (H)	Sem-III (H)	Sem-V (H)
	<p>1st Sem. General/GE CC-1A/CC-1B/GE-1-Indian Philosophy Mimansha Philosophy- 4 Significance of the term 'Mimansha' . Classification of Mimansha Philosophy -- Main two promana of Mimansha Philosophy. Aorthaportti and Anupolobddhi What is Aorthaportti? Why it is called separate promana- according to Mimansha Philosophy? Different types of Aorthaportti- Anupolobddhi - Vedanta philosophy-4 Meaning of the term " Vedanta" . What is the main theme of Vedanta philosophy? Nature of Brahman? What is 'Maya'? Relation between Brahman to jiv and jagat.</p>	<p>Subject -Philosophy, 3rd Sem.General GE-3/CC-1C/CC-2C-Logic</p> <p>Unit - I -Basic Concept of Logic -9</p> <p>Introduction -2</p> <p>Nature and Scope of Logic-2</p> <p>Sentence, Proposition and Statement -2</p> <p>Inference and argument -2</p> <p>Tutorial -1</p> <p>Unit -2 Types of argument -5</p> <p>What is Deductive argument?</p> <p>What is Inductive argument?</p> <p>What are the differences between Deductive & Inductive argument?-1</p> <p>Conception of the term 'Valid' & 'Invalid' .</p> <p>Relation between Truth & Validity - 2</p> <p>Tutorial - 2</p> <p>Unit -3- Opposition of Proposition -- 10</p> <p>What is Opposition of Proposition?-- 1</p> <p>Different types of Opposition of Proposition.What is Square of Opposition,</p> <p>Different types of square of opposition.-- 2</p> <p>Rules of truth & falsity depend on traditional square of opposition --2</p> <p>Follow some exercise and question papers ---4</p> <p>Tutorial --1</p> <p>Unit -4 -Immediate Inference -Conversion-Obversion - Contraposition -10</p> <p>What is Immediate Inference? , What is the difference between mediate and immediate ? , What is Conversion? ,How many types of conversion?</p> <p>Discuss it's rules with example.--2</p> <p>Why 'O' Proposition can't be converted?---1</p> <p>Do simple conversion is possible to 'A' Proposition?</p> <p>In which cases simple conversion possible to 'A' Proposition?</p> <p>What is obversion? Discuss it's rules with example -1</p> <p>What is contraposition? Rules of contraposition-2</p> <p>Why contraposition is impossible for 'I' proposition?</p> <p>Which cases existential fallacy occur in immediate inference?--2</p> <p>Practice from exercise & B.U.question papers -1</p> <p>Unit -5 Categorical Syllogism -25</p> <p>What is Categorical Syllogism?</p> <p>Rules of Categorical Syllogism.</p> <p>Formal nature of Categorical Syllogism.</p>	<p>5th Sem.General-SEC-3-Philosophical Analysis</p> <p>Unit-1 Meaning -10</p> <p>Word Meaning and Sentence Meaning -4</p> <p>Testability and Meaning -- 4</p> <p>Discuss short type of question and follow University question papers -2</p> <p>Unit -2 Concept of Truth -10</p> <p>What is Truth ?</p> <p>Criteria of Truth.-1</p> <p>Different types of the theory about the nature of truth.-1</p> <p>Correspondence theory of Truth.-2</p> <p>Coherence theory of Truth-2</p> <p>Pragmatic theory of Truth-2</p> <p>Discuss which theory is acceptable.-2</p> <p>Unit -3 Knowledge -Nature & Source of Knowledge -10</p> <p>What is knowledge?</p> <p>Different types of meaning about the verb "To Know " .-2</p> <p>Knowledge by acquaintance</p> <p>Knowledge by ability</p> <p>Knowledge by Propositional sense</p> <p>Necessary and Sufficient condition of knowledge - 4</p> <p>Theory of Empiricism -2</p> <p>Theory of Rationalism -2.</p> <p>Discuss the important role about the source of knowledge.-2.</p> <p align="center">-----+-----+-----</p>

	<p>Fallacy of Categorical Syllogism --- 10</p> <p>Figure & Mood of Categorical Syllogism.</p> <p>Follow exercise & University question papers-4</p> <p>Venn Diagram of single term , Categorical proposition & Categorical Syllogism.-6</p> <p>Testing Validity by Venn Diagram Method - 2</p> <p>Follow exercise & University question papers -3</p> <p>Unit -6 Truth Functional Arguments -20</p> <p>Modern symbolic logic and it's application</p> <p>Symbol of Conjunction , Disjunction,Negation and uses in truth - functional proposition.</p> <p>What is Truth -table? How do make form of Truth table -- 5</p> <p>Meterial Implication , Meterial Equivalence-4</p> <p>Transfer the general argument to truth-functional argument, Testing argument with Truth -table method - 4</p> <p>What is statement form? Difference between Statement form and proposition, Determine the truth -value of statement form with the help of truth -table method -- 4</p> <p>Follow exercise and University question papers -3</p> <p>Unit -7 Science and Hypothesis -9</p> <p>What is Hypothesis?</p> <p>Explanation of scientific and Un- scientific.</p> <p>Criteria of Scientific explanation -3</p> <p>Difference between scientific and unscientific explanation according to I.M.Copy.-2</p> <p>Scientific Inquiry ,Seven stages of scientific Inquiry with example -2</p> <p>Different Condition of good hypothesis -2</p>		
	Sem-II (H)	Sem-IV (H)	Sem-VI (H)

		<p>Philosophy Department 6th Sem.General DSE- 1B -Tarka samgraha.(Text Book)</p> <p>Syllabus - Sapta Padertha</p> <p>Unit - 1 - Poder tho -10</p> <p>What is Poder tho?</p> <p>How many types of Podertho & what are they?</p> <p>What is the meaning of sapto pader tho?</p> <p>Why the term "Sapto" is important in Tarka Samgraha?</p> <p>Unit -2- Dravya -8.</p> <p>What is the lakshana of Dravya ?- 2</p> <p>How many types of Dravya? What are they? --2</p> <p>Is darkness a separate substance? -4</p> <p>Unit -3 - Guna -6</p> <p>What is Guna? How many types of Guna according to Annambhatta?</p> <p>Lakshana of Guna.</p> <p>Unit -4-Karma--6</p> <p>What is karma?</p> <p>How many types of karma?</p> <p>Lakshana of karma.</p> <p>Unit -4-Samanya -10</p> <p>What is the meaning of Samanya in general?</p> <p>Lakshana of Samanya (Universal) according to Tarka Samgraha?</p> <p>Types of Samanya?</p> <p>Why it is a separate podartho according to Tarka Samgraha?</p> <p>What is jatibadhaka?(জাতি-বাধক)? How many types of jatibadhaka? What are they?</p> <p>Unit --- 5 - Vishesh (Particular) -10</p> <p>What is Vishesh?</p> <p>Lakshana of Vishesh according to Tarka Samgraha?</p> <p>Why it is a separate podartho according to Tarka Samgraha?</p> <p>Unit - 6 - Samavya --10</p> <p>Lakshana of Samavya.</p> <p>What is the difference between Samavya and sanjoga?</p> <p>In which cases Samavya relation are possible?</p> <p>Tutorial --2</p> <p>Unit -7 - Avabo -10</p> <p>The Lakshana of Avabo.</p> <p>Why it is a separate podartho according to Tarka Samgraha?</p> <p>How many types of Avabo? what are they?</p>
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Head of the Department,
Department of Philosophy,
Suri Vidyasagar College

DEPARTMENT OF POLITICAL SCIENCE
TEACHING PLAN OF JAGANNATH BARMAN
Political Science (Honours) (2020-21) (July 2020 – June 2021)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC-1; Hegel: State. CC-2; The meaning of Politics.	3 3	CC-7; Rural Administration in West Bengal: Panchayati Raj Institutions; Role of BDO.	14	CC-11; Social Movements: Definition. Distinction between "new" and "old" social movements	10
August	CC-2; Meaning of Political Theory.	6	CC-7; Urban Administration in West Bengal: Municipalities and Municipal Corporations.	14	CC-11; Positive discrimination and Dalit movements(Panthers) in India	10
September	CC-2; Importance of Political Theory.	6	CC-7; District Administration: Role of DM, SP & SDO	14	CC-11; Trade Union movements in India: an overview of strength and weaknesses.	10
October	CC-2; Decline and Resurgence of Political Theory.	6	CC-7; State Administration in West Bengal: Chief Secretary; Divisional Commissioner	14	CC-11; Peasant moments in India: Case Study (Telengana and Tebhaga)	10
November	CC-2; Theories of State: Idealist and Liberal	6	CC-7; Administrative Reforms in India	14	CC-11: Women's movements in India: key issues	10
December	CC-2; Theories of State: Marxist and Gandhian	6	CC-7; Impact of Globalization – RTI, Lokpal and Lokayukta	14	CC-11; Environmental Movements in India: Chipko, Narmada Bachao Andolan	10
January	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC-3; Rabindranath Tagore ; State, Society and Nation.	10	CC-8; National Power: Concepts and Elements	10	CC-13 Key Determinants Of India's Foreign Policy-Geography, Parliament,	10
February	CC-4; The Constituent Assembly: its Composition and role	10	CC-9; Religion and Politics; Concept of Secularism	10	CC-13; Key Determinants Of India's Foreign Cabinet, PMO	10
March	CC-4; The Preamble and its Significance	10	CC-10; Regional Economic Organizations-APEC &OPEC	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Pakistan,	10
April	CC-4; Nature of Indian Federalism	10	CC-10 Regional security organizations-NATO & ARF.	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bangladesh	10
May	CC-4; Centre-States Legislative Relations	10	CC-10; Regional Organizations: SAARC and ASEAN	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Nepal,	10
June	CC-4; Centre-States Administrative and Financial Relations	10	CC-10; Regional Organizations BRICS – Goals and Functioning	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bhutan	10

DEPARTMENT OF POLITICAL SCIENCE
TEACHING PLAN OF JAGANNATH BARMAN
Political Science (Honours) (2020-21) (July 2021– June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC-1; Hegel: State.	3	CC-7; Rural Administration in West Bengal: Panchayati Raj Institutions; Role of BDO.	14	CC-11; Social Movements: Definition. Distinction between "new" and "old" social movements	10
	CC-2; The meaning of Politics.	3				
August	CC-2; Meaning of Political Theory.	6	CC-7; Urban Administration in West Bengal: Municipalities and Municipal Corporations.	14	CC-11; Positive discrimination and Dalit movements(Panthers) in India	10
September	CC-2; Importance of Political Theory.	6	CC-7; District Administration: Role of DM, SP & SDO	14	CC-11; Trade Union movements in India: an overview of strength and weaknesses.	10
October	CC-2; Decline and Resurgence of Political Theory.	6	CC-7; State Administration in West Bengal: Chief Secretary; Divisional Commissioner	14	CC-11; Peasant moments in India: Case Study (Telengana and Tebhaga)	10
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January	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC-3; Rabindranath Tagore ; State, Society and Nation.	10	CC-8; National Power: Concepts and Elements	10	CC-13 Key Determinants Of India's Foreign Policy-Geography, Parliament,	10
February	CC-4; The Constituent Assembly: its Composition and role	10	CC-9; Religion and Politics; Concept of Secularism	10	CC-13; Key Determinants Of India's Foreign Cabinet, PMO	10
March	CC-4; The Preamble and its Significance	10	CC-10; Regional Economic Organizations-APEC &OPEC	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Pakistan,	10
April	CC-4; Nature of Indian Federalism	10	CC-10 Regional security organizations-NATO & ARF.	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bangladesh	10
May	CC-4; Centre-States Legislative Relations	10	CC-10; Regional Organizations: SAARC and ASEAN	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Nepal,	10
June	CC-4; Centre-States Administrative and Financial Relations	10	CC-10; Regional Organizations BRICS – Goals and Functioning	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bhutan	10

DEPARTMENT OF MICROBIOLOGY

TEACHING PLAN OF RAMKRISHNA ROY
Microbiology (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	Theory: CC1: Introduction to Microbiology and Microbial Diversity Unit 1: History and Development of Microbiology	4	Theory CC5: Microbial Physiology and Metabolism Unit 5: Chemolithotrophic and Phototrophic Metabolism	8	Theory CC12: Immunology Unit 3: Antigen	8
	Practical CC1: Introduction to Microbiology and Microbial Diversity Study of <i>Rhizopus</i> , <i>Penicillium</i> and <i>Aspergillus</i> from permanent slides.		Practical CC5: Microbial Physiology and Metabolism Effect of pH on growth of <i>E. coli</i>		Practical CC12: Immunology Immunodiffusion by Ouchterlony method.	
	CC1: Introduction to Microbiology and Microbial Diversity Study of <i>Rhizopus</i> , <i>Penicillium</i> and <i>Aspergillus</i> from permanent slides.	2	Theory SEC1: Microbial Diagnosis in Health Clinics Unit: 1: Importance of Diagnosis of Disease	2	Theory DSE 1: Microbes in Sustainable Agriculture Unit 1: Soil Microbiology	6
Aug	Theory: CC2: Bacteriology Unit 3: Nutrition	6	Theory CC6: Cell Biology Unit 5: Cell Cycle and Cancer Eukaryotic Cell Cycle and its Regulation, Mitosis and Meiosis	4	Theory CC12: Immunology Unit 6: Complement System	6
	Practical CC1: Introduction to Microbiology and Microbial Diversity Study of <i>Spirgyra</i> and <i>Culicoides</i> from permanent slides.		Practical CC6: Cell Biology Study of different stages of Meiosis from Permanent slide.		2	
	Study of <i>Paramecium</i> and <i>Plasmodium</i> from permanent slides.	2	Theory SEC1: Microbial Diagnosis in Health Clinics Unit 2: Collection of Clinical Samples (How to collect clinical sample)	4	DSE 1: Microbes in Sustainable Agriculture Preparation of Rhizobium as soil inoculants and application	4
Sept	Theory: CC1: Introduction to Microbiology and Microbial Diversity Unit 5: Mycology	8	Theory CC6: Cell Biology Unit 5: Cell Cycle and Cancer Development of Cancer, causes of Cancer.	4	Theory CC11: Industrial Microbiology Unit 1: Introduction to Industrial Microbiology	4
	Practical CC1: Bacteriology Gram's Staining		2		Theory CC7: Molecular Biology Unit 3: Transcription in Prokaryotes and Eukaryotes, Transcription: Definition, Promoter, RNA Polymerase, Transcription unit,	
	Negative Staining	2	Practical CC7: Molecular Biology Estimation of DNA and its purity check and estimation of Protein by using UV Spectrophotometer.	2	Practical CC11: Industrial Microbiology	4
	Acid fast Staining permanent slide	2	Theory SEC1: Microbial Diagnosis in Health Clinics. Unit 2: Collection of Clinical Samples (Method of transport of clinical samples to laboratory and storage.)	2	INDUSTRIAL VISIT	

Oct	Theory: CC2: Bacteriology Unit 7: Important Archaeal and Bacterial Groups	4	Theory CC7: Molecular Biology Unit 3: Transcription in Prokaryotes and Eukaryotes. Transcription in Eukaryotes CC7: Molecular Biology Unit 4: Post- Transcriptional Processing Practical CC6: Cell Biology Study of Polyploidy in Onion Root tip by Colchicine Treatment	2 4 4	Theory DSE 2: Instrumentation and Biotechniques Unit 1: Electrophoresis Practical DSE 2: Instrumentation and Biotechniques Demonstration of Column packing in gel filtration chromatography	5 2
	Theory: CC2: Bacteriology Unit 7: Important Archaeal and Bacterial Groups Practical CC 2: Bacteriology Endospore Staining	4 2	Theory CC7: Molecular Biology Unit 4: Post- Transcriptional Processing RNA interference: si RNA and mi RNA. CC5: Microbial Physiology and Metabolism. Unit 2: Nutrient uptake and Transport. Practical CC5: Microbial Physiology and Metabolism. Effect of different concentration of glucose on growth of <i>E. coli</i>	2 6 2	Theory DSE 2: Instrumentation and Biotechniques Unit 4: Electrophoresis Practical DSE 2: Instrumentation and Biotechniques Separation of Protein mixtures by Polyacrylamide Gel Electrophoresis (PAGE)	5 4
	Theory: CC1: Introduction to Microbiology and Microbial Diversity Special classes + doubt clearing+ discussions Practical Pracise classes	4 2	Theory CC5: Microbial Physiology and Metabolism Unit 5: Chemolithotrophic and Phototrophic Metabolism (Revision class)	4	Theory DSE1: DSE 1: Microbes in Sustainable Agriculture Unit 2: Microbial Activity in Soil and Green House Gases	6
Jan	Sem-II (II)		Sem-IV (II)		Sem-VI (II)	
	Theory CC3: Biochemistry Unit 2: Carbohydrates Practical CC 3: Biochemistry Qualitative/ Quantitative tests for Carbohydrates (DNS method)	4 2	Theory CC 9: Environmental Microbiology Unit 4: Waste Management Practical CC 9: Environmental Microbiology Isolation of Cellulose degrading microbes by enrichment culture technique. Theory SEC2: Food Fermentation Techniques Unit 2: Milk Based Fermented Foods	8 2 3	Theory CC 14: Recombinant DNA Technology Unit 2: Molecular Cloning- Tools and Strategie Theory DSE4: Biosafety and Intellectual property Rights. Unit 1: Bio-safety: Introduction, Biosafety issues in Biotechnology	5 2

Feb	<p>Theory</p> <p>CC3: Biochemistry</p> <p>Unit 1: Carbohydrates (Sugar Derivatives and Polysaccharides)</p>	4	<p>Theory</p> <p>CC10: Food and Dairy Microbiology</p> <p>Unit 4: Fermented Food</p>	4	<p>Theory</p> <p>CC14: Recombinant DNA Technology.</p> <p>Unit 2: Molecular Cloning: Tools and Strategies</p>	5
	<p>Practical</p> <p>CC3: Biochemistry</p> <p>Qualitative/ Quantitative tests for Proteins (Lowry method)</p>	2	<p>Practical</p> <p>CC10: Food and Dairy Microbiology</p> <p>Study of Microorganisms from dahi.</p>	2	<p>Practical</p> <p>CC14: Recombinant DNA Technology.</p> <p>Demonstration of Southern Blotting.</p>	2
			<p>Theory</p> <p>SEC2: : Food Fermentation Techniques</p> <p>Unit 2: Milk Based Fermented Foods</p>	3	<p>Theory</p> <p>DSE4: Biosafety and Intellectual property Rights</p> <p>Unit 1: Biological safety cabinets and their types, Primary containment for Biohazards.</p>	2
Mar	<p>Theory</p> <p>CC3: Biochemistry</p> <p>Unit 1: Bioenergetics</p>	5	<p>Theory</p> <p>CC10: Food and Dairy Microbiology</p> <p>Unit 4: Fermented Food</p>	4	<p>Theory</p> <p>CC14: Recombinant DNA Technology.</p> <p>Unit 2: Molecular Cloning: Tools and Strategies.</p>	2
	<p>Practical</p> <p>CC3: Biochemistry</p> <p>Qualitative/ Quantitative tests for Amino Acids (Ninhydrin)</p>	2	<p>Practical</p> <p>CC10: Food and Dairy Microbiology.</p> <p>Isolation of Spoilage Microorganisms from bread.</p>	4	<p>CC 13: Medical Microbiology</p> <p>Unit 6: Fungal Diseases</p>	5
	<p>Qualitative/ Quantitative tests for DNA (Diphenyl amine)</p>	2	<p>CC 9: Environmental Microbiology</p> <p>Assessment of microbiological quality of water by MPN test</p>	2	<p>Practical</p> <p>CC 13: Medical Microbiology</p> <p>Determination of Minimal Inhibitory Concentration(MIC) of Antibiotics</p>	2
			<p>Theory</p> <p>SEC2: Food Fermentation Techniques</p> <p>Unit 3: Grain Based Fermented Foods</p>	5	<p>Theory</p> <p>DSE4: Biosafety and Intellectual property Rights</p> <p>Unit 6: Agreements and Treaties</p>	8
Apr	<p>Theory</p> <p>CC4: Virology</p> <p>Unit 5: Prevention and Control of Viral Diseases.</p>	8	<p>Theory</p> <p>CC 8: Microbial Genetics</p> <p>Unit 5: Transposable Elements</p>	8	<p>Theory</p> <p>CC13: Medical Microbiology</p> <p>Unit 7: Antimicrobial agents: Source, General characteristics and mode of action</p>	8
	<p>Practical</p> <p>CC4: Virology</p> <p>Report Writing</p> <p>Educational Tour to Institute/ Industry</p>	4	<p>Practical</p> <p>CC 8: Microbial Genetics</p> <p>Isolation of Plasmid DNA from <i>E. coli</i></p>	4	<p>Practical</p> <p>CC13: Medical Microbiology</p> <p>Identify bacteria (<i>E. coli</i>, <i>Staphylococcus</i>, <i>Bacillus</i>) using laboratory strains on the basis of</p>	
			<p>Theory</p> <p>SEC2: Food Fermentation Techniques</p> <p>Unit 4: Vegetable Based Fermented Foods</p>	5		

					<p>culture, morphological and biochemical characteristics: Urease production</p> <p>Catalase test</p> <p>DSE4: Biosafety and Intellectual property Rights Study of components and design of a BSL-III laboratory using audio-visual aids</p>	<p>2</p> <p>2</p> <p>2</p>
May	<p>Theory</p> <p>CC3: Biochemistry</p> <p>Unit 6: Vitamins</p>	4	<p>Theory</p> <p>CC 10: Food and Dairy Microbiology</p> <p>Unit 2: Microbial Spoilage of various foods</p>	8	<p>Theory</p> <p>DSE 3: Advances in Microbiology</p> <p>Unit 1: Evolution of Microbial Genomes</p> <p>Unit 2: Metagenomics</p>	8
	<p>Practical</p> <p>CC4: Virology</p> <p>Isolation of Bacteriophage DNA and study of its HindIII digestion pattern</p>	4	<p>Practical</p> <p>CC 9: Microbial Genetics</p> <p>Study of different conformation of plasmid DNA through Agarose gel electrophoresis using DNA ladder</p>	4	<p>Practical</p> <p>CC14: Recombinant DNA Technology</p> <p>Digestion of DNA using Restriction enzyme and analysis by agarose gel Electrophoresis</p> <p>DSE 3: Advances in Microbiology</p> <p>Extraction of metagenomic DNA from soil</p>	2
June	<p>Theory</p> <p>CC3: Biochemistry</p> <p>Unit 2: Carbohydrates Unit 1: Bioenergetics</p>	2	<p>Theory</p> <p>CC10: Food and Dairy Microbiology Special class</p>	2	<p>Theory</p> <p>DSE 3: Advances in Microbiology</p> <p>Unit 2: Metagenomics</p>	5
	<p>Special class</p>	2	<p>Practical</p> <p>CC10 : Food and Dairy Microbiology and CC 9 : Environmental Microbiology</p> <p>[Repeat practical Class]</p>	2	<p>Practical</p> <p>CC14: Recombinant DNA Technology</p> <p>Determination of molecular size of DNA fragment by agarose gel Electrophoresis</p>	4
					<p>Quantification and purity checking of Extracted metagenomic DNA.</p>	4

Ramkrishna Roy
 Signature of Teacher
 Department of Microbiology
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DEPARTMENT OF POLITICAL SCIENCE

TEACHING PLAN OF SUBRATA KUMAR GUPTA Political Science (Honours) (July 2021 – June 2022)

Month	Sem-I	No. of Lecture	Sem-III	No. of Lecture	Sem-V	No. of Lecture
July-December, 2020	Honours CC1: Western Political Thought	24	Honours CC5: Comparative Politics	24	Honours	
	Chapter-1 Ancient Greek Political Thought: Plato- Justice; Aristotle- Concept of the State	12	Chapter-1 Transition from Comparative Government to Comparative Politics- Scope and Objective of Comparative Politics	10	DSE-1: Select Comparative Political Thought	22
	Chapter-3 Renaissance and Machiavelli: Concept of Power and Secularization of Politics	12	Chapter-2 Conventions and the Rule of Law in UK; Bill of Rights in the USA	8	Chapter -1 Distinctive features of Indian and Western Political Thought	10
	CC-2: Political Theory	11	Chapter-3 Unitary System; UK and France; Federal System: USA	6	Chapter-2 a) Kautilya on State b) Tilak and Gandhi on Swaraj	12
	Chapter-4 Liberty and Equality: Meaning and their inter-relationship	11				
January-June, 2021	Sem-II (H)		Sem-IV		Sem-VI	
	Honours CC-3: Indian Political Thought	10	Honours CC- 9: Sociology and Politics	21	Honours CC-14: Contemporary Issues in India	23
	Chapter-1 Ancient Indian Political Thought: Features; Kautilya's theory of Saptanga and the concept of Dandaniti	10	Chapter -2 Political Culture: Meaning, Components and Types; Political Socialization: Meaning Role and Agencies	7	Chapter-1 Caste system in India- its changing nature and dynamics	9
			Chapter-3 Political Participation: Meaning and Components	6	Chapter-2 Women-discrimination and	

	<p>CC-4: Indian Government and Politics</p> <p>Chapter -1 b) The Preamble and its Significance</p> <p>chapter-2 a) Fundamental Rights and Duties</p>	<p>10</p> <p>10</p>	<p>Chapter-4 Concepts of Power and Authority</p> <p>SEC- 2: Public Opinion and Survey Research</p> <p>Chapter1 Definitions and Characteristics of Public Opinion</p> <p>Chapter-2 Measuring Public Opinion: Methods and types of sampling</p>	<p>8</p> <p>13</p> <p>6</p> <p>7</p>	<p>violence against women</p> <p>Chapter-3 Secularism and communalism</p>	<p>8</p> <p>6</p>
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DEPARTMENT OF POLITICAL SCIENCE

TEACHING PLAN OF SABIRUL ISLAM

Political Science (Honours) (July 2021 – June 2022)

Month	Sem-I	No. of Lecture	Sem-III	No. of Lecture	Sem-V	No. of Lecture
July-December, 2020	Honours CC1: Western Political Thought	24	Honours CC- 6 Public Administration	55	Honours CC12: Elementary Research Methods in Political Science	32
	Chapter-4: Hobbes: Concept of Sovereignty;		Chapter-1 Public Administration: Meaning, Dimensions and Significance of Public Administration; Evolution of Public Administration as a Discipline; Identity Crisis of Public Administration		Chapter-1	
	Locke: Foundation of Liberalism;	24			a) Theoretical foundation of research: A brief outline of Positivism, Post-Positivism and their Critics	18
	Rousseau: General Will				b) Methodology of Research: Qualitative and Quantitative	14
	Introduction	1				
	Hobbes and his life	2	Introduction	1	Introduction to research	5
	Hobbes as thinker	2	Public administration: meaning and dimensions	2	Theoretical foundation of research	6
	Hobbes's idea of sovereignty	4	Significance of public administration	2	Positivism	4
	Locke as a philosopher	2	Evolution of public administration	4	Post-positivism	3
	Liberalism	4			Methodology of research	4
	Lockes's idea of liberalism	3	Chapter-2 Classical Theories: Scientific Management(F.W.Taylor); Administrative Mangement (Gullick, Urwick); Ideal type bureaucracy (Weber)	14	Qualitative research	5
	Rousseau as philosopher	2			Quantitative research	5
	Rousseau's idea of general will	4	Introduction to classical theories	2		
	CC-2: Political Theory	23	Scientific management by Taylor	4	DSE-2: Democracy and Decentralized Governance	19
	Chapter-3 The Concept of Sovereignty:		Administrative management by Gullick and Urwick	3	Chapter-1 Evolution of the State	
	a) Monistic		Ideal type of Bureaucracy	5		
	b) Pluralist	9				
c) Popular		Chapter-3 Neo-classical Thories: Human Realtions(Elton Mayo); Decision Making	14			
Introduction	1					
The concept of sovereignty	3					
Monistic view of sovereignty	2					

	Pluralist view of sovereignty	2	Theory (Herbert Simon); Motivation Theory (Maslow)		System and the concept of Sovereignty	9
	Popular view of sovereignty	2	Introduction to neo-classical theories of public administration	2	Introduction	1
	Chapter-5 Theory of Justice: Rawls	13	Elton Mayo's Human relation theory	4	Evolution of the state system	4
	Introduction	2	Decision making theory of Simon	5	The concept of sovereignty	4
	Rawls as a philosopher	2	Motivation theory by Abraham Maslow	3	Chapter-2 Global Economy: Bretton Woods institutions (World Bank, IMF) and WTO	10
	Justice	4			Introduction to world economy	2
	Rawls idea of justice	5	Chapter-4 Contemporary Theories: Ecological Approach (Fred Riggs); Innovations and Entrepreneurship (Peter Drucker)	8	Bretton woods	2
			Fred Riggs ecological approach	6	World bank	2
			Innovation and entrepreneurship	2	IMF	2
			Chapter-5 Concepts of Administration: Hierarchy, Span of Control, Unity of Command, Line and Staff, Centralization-Decentralization, Devolution and Delegation	9	WTO	2
			Hierarchy	2		
			Span of control	1		
			Unity of command	1		
			Line and staff	1		
			Centralization	1		
			Decentralization	1		
			Devolution	1		
			delegation	1		
	Sem-II (H)		Sem-IV		Sem-VI	
	Honours CC-3: Indian Political Thought	9	Honours CC-8: International Relations	10	Honours CC-14: Contemporary	10

January- June, 2021	Chapter-3 Raja Rammohan Roy: Perception of British Colonial Rule and their role as Modernizers	9	Chapter-5 Post-Cold War Global Issues: a) Globalization b) Human Rights c) Terrorism	10	Issues in India Chapter-4 Political Economy of Poverty and Inequality	10
	Raja Rammohan Roy as social reformer and philosopher	4	Introduction to post cold- war situations	2	The concept of political economy	2
	His perception of British rule	2	Globazation	3	Measurement of poverty	2
	British rule as modernizers	3	Human rights	3	Dimensions of poverty	2
	CC-4: Indian Government and Politics	31	Terrorism	2	The concept of inequality	2
	Chapter-5 Union Executive: President and Prime Minister: Powers and Functions; Governor and Chief Minister: Powers and functions	20	CC- 9: Sociology and Politics Chapter-6 Environment and Politics: Environment Movements- an overview; Eco- Feminism	8	Dimensions of inequality	2
	Introduction to the union executives	2	Introduction	1	DSE-3 Local Government in West Bengal	30
	Nominal Executive and Real Executive	1	Relation between environment and politics	2	Chapter-1 Evolution of Rural and Urban local governments in West Bengal since Independence	7
	President	1	Environment movements	3	Introduction to local governments	3
	Powers of the President	2	Eco-feminism	2	Evolution of local government in west Bengal since independence	4
	Functions of the President	2	CC-10 International Organizations	6	Chapter-2 Structure and functions of Panchayati Raj Institutions in the light of the West Bengal Panchayet Act of 1973(as amended up to date)	8
	Prime Minister	1	Chapter-1 Evolution of international organizations	6	Structure and functions of panchayati raj	8
	Powers of Prime Minister	2	International organizations	6	Chapter-4	
	Functions of the Prime Minister	3	Chapter-2 United Nations: Its Emergence: General Assembly and Security Council: Secretariat: Secretary General: International Court of Justice: Compositions and Functions	13		
	Governor	1	Introduction to the United Nations	2		
	Powers and Functions of Governor	2	Its emergence	2		

Chief Minister	1	General assembly	2	Local Government and Empowerment of Women, SCs and STs	8
Powers and Functions of Chief Minister	3	Security council	3		
		Secretariat	2	Empowerment of women, SCs and STs	2
Chapter-6 Judiciary: Supreme Court and High Court- Composition and Functions	11	International court of justice	2	Scope of empowerment of women through local government	2
		Chapter-3 Peacekeeping and Peacebuilding role of UN	4		
Introduction to the Judicial System	3	Peacekeeping and peacebuilding role of UN	4	Scope of empowerment of SCs in local government	2
Supreme Court	1			Scope of STs empowerment through local government	2
Composition of Supreme Court	1				
Functions of the Supreme Court	2			Chapter-5 State- Local Government Relations: Financial control of the State	7
High Court	1			The state government behavior towards local government	3
Composition of High Courts	1			Financial control of the state	4
Functions of High Courts	2				

DEPARTMENT OF MASS COMMUNICATION & JOURNALISM

TEACHING PLAN – SANCHITA CHATTERJEE 2021-22

MONTH	SEM –I (H)	NO. OF LECTURE	SEM-III(H)	NO. OF LECTURE	SEM-V (H)	NO. OF LECTURE
JULY	CC-1 INTRODUCTION TO JOURNALISM UNIT- 1 – UNDERSTANDING NEWS INGREDIENTS OF NEWS	8	CC-7 ADVERTISEMENT AND PUBLIC RELATIONS UNIT-1 INTRODUCTION TO ADVERTISEMENT, HISTORY, IMPORTANCE & FUNCTION OF AD. AD. AS A TOOL OF COMMUNICATION	8	CC-12 INTRODUCTION TO FILM STUDIES UNIT -1 BIRTH OF CINEMA, MAGIC LANTERN TO MOVING PICTURES, LUMIÈRE TO GRIFFITH, CHARLIE CHAPLIN, HOLLYWOOD STUDIO SYSTEM, BRIEF HISTORY OF SILENT ERA	10
AUGUST	CC-1 UNIT -1 THE NEWS PROCESS, SUBJECTIVITY & OBJECTIVITY OF NEWS, PROXIMITY OF NEWS	9	CC-7 UNIT -1 ROLE OF AD. IN MARKETING MIX, PR & AD. , AD. THEORIES AIDA , DAGMAR, MASLOW’S HIERARCHY MODEL, THEORIES APPLIED TO AD.	12	CC-12 UNIT -1 DADA SAHEB PHALKE, NEW THEATRE, PRABHAT STUDIO, NEW TALKIES UNIT-2 STAGES OF FILM MAKING, FILM LANGUAGES, IMAGE & SOUND CODE, REAL FILMIC TIME, MONTAGE, MISE-EN- SCENE	10
SEPTEMBER	CC-1 UNIT 1	12	CC-7 UNIT -1	14	CC-12 UNIT -3	14

	ETHICS OF JOURNALISM, HARD NEWS VS. SOFT NEWS, ATTRIBUTION, EMBARGO, VERIFICATION		TYPES OF AD. & NEW TRENDS, ECONOMIC , CULTURAL, PSYCHOLOGICAL AND SOCIAL ASPECT OF AD. ETHICAL & REGULATORY ASPECTS OF AD – AAAI, ASCI		CLASSIFICATION OF CINEMA, FILM GENRE, FICTION & NON- FICTION FILM, FILM & SOCIETY, FILM AS AN ART, FILM AS A MEDIUM OF MASS COMMUNICATION, FILM CENSORSHIP	
OCTOBER	CC-1 UNIT-1 BALANCE & FAIRNESS, BREVITY, DATELINE, CREDIT LINE, BYLINE	5	CC-7 UNIT -2 AD. THROUGH PRINT, ELECTRONIC & ONLINE MEDIA , TYPES OF MEDIA FOR AD. AD. OBJECTIVES	5	CC-12 UNIT -4 FILM LANGUAGE – SHOT, SCENE, SEQUENCE	6
NOVEMBER	CC-1 UNIT -4 DIFFERENT MEDIUMS -A COMPARISON, LANGUAGE AND PRINCIPLE of SOFT WRITING, BASIC DIFFERENCE BETWEEN THE PRINT, ELECTRONIC & ONLINE JOURNALISM, CITIZEN JOURNALISM	12	CC-7 UNIT -2 SEGMENTATION, POSITIONING, TARGETING MEDIA SELECTION, PLANNING, SCHEDULING , RESEARCH AND BRANDING,AD. DEPARTMENT VS. AGENCY – STRUCTURE AND FUNCTION, AD. BUDGET, CAMPAIGN PLANNING	14	CC-12 UNIT-4 FILM LANGUAGES CAMERA, LIGHTING, SOUND, EDITING INDIAN MASTERS – SATYAJIT RAY, RITWIK GHATAK PRACTICAL – MAKING OF A SHORT FILM	8 8

DECEMBER	CC-2		CC-7		CC-12	
	UNIT -1 Review overall via oral presentation	4	UNIT -5 SOCIAL MEDIA MARKETING, IMC, DEVELOPING SOCIAL NETWORKS, STRATEGIES, ETHICS, SOCIAL MEDIA TOOLS, ROI	7	UNIT -5 FILM PRACTICES- NARRATIVE FORM, CLASSICAL HOLLYWOOD CINEMA, ITALIAN NEO- REALISM, FRENCH NEW WAVE	6
	SEM-II (H)	NO. OF LECTURE	SEM-IV (H)	NO. OF LECTURE	SEM-VI (H)	NO. OF LECTURE
JANUARY	CC-3		SEC -3		DSE -3	
	REPORTING AND EDITING FOR PRINT UNIT-1 COVERING NEWS, REPORTER -ROLE, FUNCTIONS AND QUALITIES, COVERING OF BEATS PRACTICAL – COLLECTING NEWS FRIM BEATS	9 4	DOCUMENTARY PRODUCTION UNIT -1 UNDERSTANDING THE DOCUMENTARY, INTRODUCTION TO REALISM, DEBATE , OBSERVATIONAL AND VERITE DOCUMENTARY	7	DISSERTATION TOPIC SELECTION, ABSTRACT INTRODUCTION LITERATURE REVIEW	10

FEBUARY	CC-3 UNIT-1 COVERING SPEECHES, MEETINGS AND PRESS CONFERENCES, NEWS AGENCY REPORTING	8	SEC -3 UNIT -1 SHOOTING STYLE, INTRODUCTION TO EDITING STYLE, STRUCTURE AND SCRIPTING OF A DOCUMENTARY	7	DSE -3 RESEARCH PROBLEMS, AIM OBJECTIVES	12
MARCH	CC-4 UNIT -1 GROWTH AND DEVELOPMENT OF THE PRESS IN INDIA AND ABROAD, EARLY DAYS OF THE PRESS	8	SEC-3 UNIT -2 DOCUMENTARY PRODUCTION, PRE – PRODUCTION	6	DSE -3 METHODOLOGY DATA COLLECTION	16
APRIL	ÇÇ – 4 UNIT-1 CONTRIBUTIONS OF EARLY THINKERS IN COLONIAL INDIA- JAMES AUGUSTUS HICKEY, JAMES SILK BUCKINGHAM	7	SEC -3 UNIT -2 RESEARCHING THE DOCUMENTARY: LIBRARY, ARCHIVES, LOCATION, LIFE STORIES, ETHNOGRAPHY, WRITING A CONCEPT, TELLING A STORY SEC-3	8	DSE -3 FINDINGS AND DATA ANALYSIS	14

MAY	CC-4 UNIT -1 MISSIONARY OF BAPTISTS, WILLIAM CAREY	6	UNIT -2 TREATMENT, WRITING A PROPOSAL AND BUDGETING	6	DSE -3 CONCLUSION BIBLIOGRAPHY REFERENCE	8
JUNE	CC-4 UNIT -5 CABLE TV AND SATELLITE TELEVISION	4	SEC -3 PRACTICAL – DOCUMENTARY SHOOTING DOCUMENTARY EDITING	6	DSE -3 DISSERTATION SUBMISSION	

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MURIYITHASAGAR COLLEGE
DEPARTMENT OF ENGLISH

TEACHING PLAN OF DR. JUSAYTA KUMAR RAMDHAN

ENGL201: Literature (200-221) (July 2017 - June 2022)

Week	Unit ID	No. of Lectures	Unit ID	No. of Lectures	Unit ID	No. of Lectures
M	CC1: Indian Classical Literature Unit 1: "The Book of the Dead" by The Bhaktacharya	Lecture 7 + Tutorial 1-6	CC1: American Literature Lect 1: "The Scarlet Letter" by Nathaniel Hawthorne Lect 2: "The House of the Seven Gables" by Nathaniel Hawthorne	Lectures 6 + Tutorial 1-6 Lectures 7 + Tutorial 1-6	ENGL: Fiction Literature Lect 1: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 6 + Tutorial 1-6
MC	CC1: Indian Classical Literature Unit 2: "The Book of the Dead" by The Bhaktacharya	Lecture 7 + Tutorial 1-6	CC1: Indian Society and Culture Lect 1: "The Book of the Dead" by The Bhaktacharya Lect 2: "The Book of the Dead" by The Bhaktacharya	Lectures 7 + Tutorial 1-6 Lectures 8 + Tutorial 1-6	ENGL: Fiction Literature Lect 2: "The Scarlet Letter" by Nathaniel Hawthorne Lect 3: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 7 + Tutorial 1-6 Lectures 8 + Tutorial 1-6
MP	CC1: Indian Classical Literature Unit 3: "The Book of the Dead" by The Bhaktacharya	Lecture 8 + Tutorial 1-6	CC1: American Literature Lect 3: "The Scarlet Letter" by Nathaniel Hawthorne Lect 4: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 8 + Tutorial 1-6 Lectures 9 + Tutorial 1-6	ENGL: Modern Indian Writing Lect 1: "The Book of the Dead" by The Bhaktacharya Lect 2: "The Book of the Dead" by The Bhaktacharya	Lectures 8 + Tutorial 1-6 Lectures 9 + Tutorial 1-6
MQ	CC1: European Classical Literature Unit 4: "The Book of the Dead" by The Bhaktacharya	Lecture 9 + Tutorial 1-6	CC1: American Literature Lect 5: "The Scarlet Letter" by Nathaniel Hawthorne Lect 6: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 9 + Tutorial 1-6 Lectures 10 + Tutorial 1-6	ENGL: Modern Indian Writing Lect 3: "The Book of the Dead" by The Bhaktacharya Lect 4: "The Book of the Dead" by The Bhaktacharya	Lectures 9 + Tutorial 1-6 Lectures 10 + Tutorial 1-6
MR	CC1: European Classical Literature Unit 5: "The Book of the Dead" by The Bhaktacharya	Lecture 10 + Tutorial 1-6	CC1: American Literature Lect 7: "The Scarlet Letter" by Nathaniel Hawthorne Lect 8: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 10 + Tutorial 1-6 Lectures 11 + Tutorial 1-6	ENGL: Modern Indian Writing Lect 5: "The Book of the Dead" by The Bhaktacharya Lect 6: "The Book of the Dead" by The Bhaktacharya	Lectures 10 + Tutorial 1-6 Lectures 11 + Tutorial 1-6
MS	CC1: European Classical Literature Unit 6: "The Book of the Dead" by The Bhaktacharya	Lecture 11 + Tutorial 1-6	CC1: American Literature Lect 9: "The Scarlet Letter" by Nathaniel Hawthorne Lect 10: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 11 + Tutorial 1-6 Lectures 12 + Tutorial 1-6	ENGL: Modern Indian Writing Lect 7: "The Book of the Dead" by The Bhaktacharya Lect 8: "The Book of the Dead" by The Bhaktacharya	Lectures 11 + Tutorial 1-6 Lectures 12 + Tutorial 1-6
MT	CC1: European Classical Literature Unit 7: "The Book of the Dead" by The Bhaktacharya	Lecture 12 + Tutorial 1-6	CC1: American Literature Lect 11: "The Scarlet Letter" by Nathaniel Hawthorne Lect 12: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 12 + Tutorial 1-6 Lectures 13 + Tutorial 1-6	ENGL: Modern Indian Writing Lect 9: "The Book of the Dead" by The Bhaktacharya Lect 10: "The Book of the Dead" by The Bhaktacharya	Lectures 12 + Tutorial 1-6 Lectures 13 + Tutorial 1-6
MU	CC1: European Classical Literature Unit 8: "The Book of the Dead" by The Bhaktacharya	Lecture 13 + Tutorial 1-6	CC1: American Literature Lect 13: "The Scarlet Letter" by Nathaniel Hawthorne Lect 14: "The Scarlet Letter" by Nathaniel Hawthorne	Lectures 13 + Tutorial 1-6 Lectures 14 + Tutorial 1-6	ENGL: Modern Indian Writing Lect 11: "The Book of the Dead" by The Bhaktacharya Lect 12: "The Book of the Dead" by The Bhaktacharya	Lectures 13 + Tutorial 1-6 Lectures 14 + Tutorial 1-6
Summary	Unit 1-8		Unit 1-14		Unit 1-12	

DEPARTMENT OF PHILOSOPHY

TEACHING PLAN OF Mr. SUJIT MONDAL
Philosophy (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	Theory: CC-2: Outlines of Western Philosophy—I Unit1: Introduction to The Pre-Socratic Period: (a) Ionian School.	10	Theory SEC-1: Philosophy in Practice Unit1: Common and Differentiating Characteristics of Philosophy and <i>darśana</i>.	6	Theory DSE-2: B. Russell: The Problems of Philosophy Chapter 1: Appearance and Reality.	18
Aug	Theory: CC-2: Unit 1: (b) Parmenides. (c) Heraclitus and	10	Theory SEC-1: Unit 2: Nature of Inquiry in Philosophy and <i>darśana</i> .	6	Theory DSE-2: Chapter 2: The Existence of Matter.	18
Sept	Theory: CC-2: Unit 1: (d) Zeno (Paradoxes) Unit 2: Plato: (a) Theory of Knowledge	10	Theory SEC-1: Unit 3: Outlines of the types of Inquiry in Philosophy and <i>darśana</i>: (a) Epistemic Inquiry in Philosophy and <i>darśana</i> , (b) Metaphysical Inquiry in Philosophy and <i>darśana</i> ,(c) Axiological Inquiry in Philosophy and <i>darśana</i> .	7	Theory DSE-2: Chapter 3: The Nature of Matter.	17
Oct	Theory: CC-2: Unit 2: Plato: (b) Theory of Ideas. Unit 3: Aristotle: (a) Refutation of Plato's Theory of Ideas.	9	Theory SEC-1: Unit 4: A few Model World-views and corresponding paths leading to Perfection: (a) Plato's view, (b) Kant's view.	6	Theory DSE-2: Chapter 4: Idealism.	18
Nov	Theory: CC-2: Unit 3: Aristotle: (b) Theory of Substance (c) Form and Matter	7	Theory SEC-1: Unit 4:(c) Sāṃkhya view and (d) Advaita Vedānta View.	7	Theory DSE-2: Chapter 5: Knowledge by Acquaintance and Knowledge by Description.	16

Dec	Theory: CC-2: Unit 3:(d) Theory of Causation.	8	Theory SEC-1: Unit 5: Methods of Philosophical Discourse (kathā) : (a) vāda, (b) jalpa, (c) vitaṇḍā, (d) chhala, (e) jāti and (f) nigrahasthāna	7	Theory DSE-2: Chapter 6: On Induction .	18
	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
Jan	Theory CC4: Outlines of Western Philosophy—II Unit 4: Introduction: Kant: (a) Idea of the Critical Philosophy,	10	Theory CC10: Philosophy of Religion Unit 1: Introduction: Nature and Scope of Philosophy of Religion: (a) Religion, Dharma, Dhamma and (b) Philosophy of Religion, Comparative Religion and Theology	18	Theory CC13: Philosophy in the Twentieth Century: Indian Unit 1: Rabindranath Tagore: (a) Nature of Man : The Finite Aspect of Man, the Infinite Aspect of Man, (b) Nature of Religion, and (c) Surplus in Man	17
Feb	Theory CC4: Outlines of Western Philosophy—II Unit 4: (b) Possibility of Metaphysics, (c) Kant’s Copernican Revolution in Philosophy.	9	Theory CC10: Unit 2: Origin and Development of Religion : Anthropological and Freudien Theories	16	Theory CC13: Unit 2: Swami Vivekananda: (a)Practical Vedānta, (b) Universal Religion and (c) Yoga	17
Mar	Theory CC4: Outlines of Western Philosophy—II Unit 4: (d) Role of Sensibility and Understanding in the Origin of Knowledge.	10	Theory CC10: Unit 3: Fundamental Features of Major Religions: Hinduism, Christianity, Islam, Buddhism: Basic Tenets,	17	Theory CC13: Unit 3: Sri Aurobindo: (a)Nature of Reality, (b) Human Evolution– its different stages and (c) Integral Yoga	18

			Bondage and Liberation			
Apr	Theory CC4: Outlines of Western Philosophy—II Unit 4: (e) Possibility of Synthetic A-priori Judgments and (f) Space and Time	9	Theory CC10: Unit 4: Arguments against the Existence of God: Sociological Arguments, Freudian Arguments, Buddhist Arguments.	18	Theory CC13: Unit 4: S. Radhakrishnan: (a)Nature of Man, (b) Nature of Religious Experience and (c) Nature of Intuitive Apprehension	17
May	Theory CC4: Outlines of Western Philosophy—II Unit 5: (a) Dialectical Method	7	Theory CC10: Unit 5: Arguments for the Existence of God (Indian and Western): Yoga Arguments, Nyāya Arguments, Cosmological Arguments, Teleological Arguments, Ontological Arguments.	16	Theory CC13: Unit 5: Md. Iqbal: (a)Nature of the Self, (b) Nature of the World and (c) Nature of God	18
June	Theory CC4: Outlines of Western Philosophy—II Unit 5: (b) The Absolute	8	Theory CC10: Unit 6: The Problem of Evil. Unit 7: Monotheism, Polytheism and Henotheism.	16	Theory CC13: Unit 6: Mahatma Gandhi: (a) God and Truth and (b) Ahimsa	18

Head of the Department,
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DEPARTMENT OF MASS COMMUNICATION & JOURNALISM

TEACHING PLAN OF SUMAN RUDRA

(2021-2022)

MONTH	SEM -I (H)	NO. OF LECTURE	SEM-III(H)	NO. OF LECTURE	SEM-V (H)	NO. OF LECTURE
JULY	CC-1 Role of Media in a Democracy, Responsibility to Society. Press and Democracy. UNIT- 5	5	SEC-1 Broadcast Formats Public service advertisements. Radio Jingles, Radio magazine, Radio Interview, Talk Show ,Discussion, Feature Documentary. UNIT-1	8	DSE 2 concept of corporate & organization, corporate governance, corporate and management, issues of corporate communication. UNIT-1	7
AUGUST	CC-3 Contemporary debates and issues relating to media. Contemporary issues of media. Rights to privacy, Fake news & Paid news. UNIT-5	4	sec-1 Broadcast Production Techniques, Working of a Production Control Room. studio Types and functions, acoustics, input and output chain, studio console: recording and mixing. Personnel in Production process Role and Responsibilities . UNIT-2	14	DSE 2 identify the stakeholder. Grunigs theory, public and stakeholder, stake holder's relationship, communication tools and strategies for stakeholder relations. UNIT-2	12
SEPTEMBER	CC-2 -Media and Everyday Life. Discussions around	3	sec-1 studio Types and functions, acoustics, input and output chain,	8	DSE 2 Corporate crisis, crisis plan management	9

	mediated and non-mediated communication.		studio console: recording and mixing. Personnel in Production process Role and Responsibilities.		and crisis communication.	
	UNIT- 1		UNIT-2		UNIT-3	
OCTOBER	CC-2 MEDIA impact of (Educate ,inform and entertain) of print, Radio ,and digital media).	3	sec-1 Stages of Radio Production Pre-Production – (idea, research, RADIO script) UNIT-1 Production–Creative use of Sound; Listening, Recording, using archived sounds, (execution, requisite, challenges), Sound Editing, Creative use of Sound Editing. UNIT-3 PRACTICAL- Producing Radio format mentioned in the Unit 1. (Duration-5 minutes).	10	DSE -2 corporate branding and brand promotion, Unit-3 Corporate social responsibility, issue and approaches, UNIT-4	10
	UNIT-1					
NOVEMBER	CC-2 Four Models of Communication.	6	CC-7 Public Relations – Concepts and practices 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 govt. and Private	14	DSE -2 P3 Theory, theory of utility, profit and philanthropic approach – a debate on CSR, CSR budget, social audit. Unit-4	14
	UNIT -5					

			Sectors, Govt's Print, Electronic, Publicity, Film and Related Media Organizations. Unit-3			
DECEMBER	CC-2 Ritual or Expressive model, Publicity Model, Reception Model. Culture and effects model- HUB MODEL UNIT-5	4	CC-7 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- Apexbodies inPR- IPRA code-PRSI, PSPFand theircodes. Unit 4	11	DSE -2 CSR and media relations, CSR promotion and role of NGOs. UNIT-4	8
	SEM-II (H)	NO. OF LECTURE	SEM-IV (H)	NO. OF LECTURE	SEM-VI (H)	NO. OF LECTURE
JANUARY	CC-3 Understanding media and news. UNIT-5	2	CC-9 Development: Concept, concerns, paradigms Concept of development Measurement of development Development versus growth, Human development ,Development as freedom. Unit -1 Models of development: Nehruvian model . Gandhian mode.	10	CC 13 rural development & rural society, rural vs urban- sociological, demographical and cultural perspectives, rural development and agricultural development. UNIT-1	11

			unit-2			
FEBRUARY	<p>CC-3</p> <p>Sociology of news: factors affecting news treatment, paid news, agenda setting, pressures in the newsroom, trial by media, gate keepers.</p> <p>UNIT-5</p>	6	<p>CC-9</p> <p>Developing countries versus developed countries UN millennium dev goals</p> <p>Development communication: Concept and approaches Paradigms of development - Dominant paradigm, dependency, alternative paradigm</p> <p>Dev comm approaches – diffusion of innovation, empathy, magic multiplier</p> <p>Alternative Devcomm. approaches: Sustainable Development ,Participatory Development ,Inclusive Development Gender and development support communication. definition, genesis, area wood triangle.</p> <p>Unit-3</p>	14	<p>CC-13</p> <p>participatory approaches of rural development, rural communication is an integrated communication strategy , model of rural communication, different kits/ tools of rural communication promotion/ rural communication for health, primary education and campaign of other related issues for rural development.</p> <p>UNIT-2</p>	12

MARCH	<p>CC-3</p> <p>Objectivity and politics of news Neutrality and bias in news.</p> <p>UNIT-5</p>	5	<p>CC-9</p> <p>Role of media in development Mass Media as a tool for development Creativity, role and performance of each media- comparative study of pre and post liberalization era. performance record of each medium-print, radio, tv, video, traditional media.</p> <p>UNIT-4</p>	8	<p>CC-13</p> <p>Gandhian view of rural development, social change and rural development, decentralization of power, people's participation, PRIs, communication strategies, communication gap in PRIs.</p> <p>UNIT-3</p>	12
APRIL	<p>CC-4</p> <p>development in Indian Press.</p> <p>UNIT-5</p>	2	<p>CC-9</p> <p>Role of development agencies and NGOs in development communication Critical appraisal of dev comm. programmes and govt. schemes: SITE, Krishi Darshan, Kheda, Jhabua, MNREGA;</p> <p>Unit-5</p>	11	<p>CC-13</p> <p>decentralize planning to rural development and role of NGO's, non-agrarian activities and integrated rural development.</p> <p>UNIT-4</p>	7
MAY	<p>CC-4</p> <p>Radio and Television in India. Emergence of Radio in Pre-independence period. All India Radio.</p> <p>UNIT-5</p>	4	<p>cc-9</p> <p>Cyber media and dev – e-governance, e chaupal, national knowledge network, ICT for dev Narrow casting.</p> <p>Unit-5</p>	8	<p>cc-13</p> <p>promotion of rural industries and role of rural communication, rural cooperative and self group</p> <p>UNIT-4</p>	8

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 Department of Journalism
 and Mass Communication

JUNE	CC-4 Doordarshan., Magazi ne journalism, Press in emergency period, Cable TV and Satellite Television. UNIT-5	4	CC-9 Development support communication in India in the areas of: agriculture, health & family welfare, population, women empowerment, poverty, unemployment, energy and environment, literacy, consumer awareness, Right to Information(RTI) UNIT-5	9	CC-13 rural media, low cost participatory media, community media in rural development, role of traditional media in rural development, development support communicatio n, participatory. UNIT-5	10

Department of Mass Communication
and Journalism
Suri Vidyasagar College
P.O.-Suri, Dist.-Birbhum, W.B.-731101

Suman Redra
19.05.2023.

DEPARTMENT OF ENGLISH
TEACHING PLAN OF MR. TAUSIF AHMED
ENGL 201 (Semester I) (10 July 2021 - 19th 2022)

Week	Topic	No. of Lectures	Topic(s)	No. of Lectures	Topic(s)	No. of Lectures
1st	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	7	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4
			ENGL 201 (Semester I) (10 July 2021 - 19th 2022)		ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	
2nd	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4
			ENGL 201 (Semester I) (10 July 2021 - 19th 2022)		ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	
3rd	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4
			ENGL 201 (Semester I) (10 July 2021 - 19th 2022)		ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	
4th	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4
			ENGL 201 (Semester I) (10 July 2021 - 19th 2022)		ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	
5th	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4
			ENGL 201 (Semester I) (10 July 2021 - 19th 2022)		ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	
6th	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4	ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	4
			ENGL 201 (Semester I) (10 July 2021 - 19th 2022)		ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	
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			ENGL 201 (Semester I) (10 July 2021 - 19th 2022)		ENGL 201 (Semester I) (10 July 2021 - 19th 2022)	

	SMILE 1A CXC English Paper, Oral & Written and Reading		SMILE 2A CXC English Literature		SMILE 2B CXC English Literature	
Mr	Mr C. Mackay	*	Unit 1: The "Other" Nations in a Changing World Unit 2: The "Other" Nations Unit 3: The "Other" Nations Unit 4: The "Other" Nations	*	CXC Assessment Literature Unit 1: World Literature	*
Mr	CXC English Paper, Oral & Written and Reading Mr C. Mackay	*	CXC English Literature Unit 1: The "Other" Nations in a Changing World CXC English Literature Unit 2: The "Other" Nations Unit 3: The "Other" Nations	*	IBEL Literary Theory Unit 1: Introduction CXC Assessment Literature Unit 1: World Literature	**
Mr	CXC English Paper, Oral & Written and Reading Mr C. Mackay	*	CXC English Literature Unit 1: The "Other" Nations Unit 2: The "Other" Nations Unit 3: The "Other" Nations	*	IBEL Literary Theory Unit 1: Introduction	*
Mr	CXC English Paper, Oral & Written and Reading Mr C. Mackay	*	CXC English Literature Unit 1: The "Other" Nations Unit 2: The "Other" Nations Unit 3: The "Other" Nations Unit 4: The "Other" Nations	*	IBEL Literary Theory Unit 1: Introduction Unit 2: Introduction	*
Mr	CXC English Paper, Oral & Written and Reading Mr C. Mackay	*	CXC English Literature Unit 1: The "Other" Nations Unit 2: The "Other" Nations	*	IBEL Literary Theory Unit 1: Introduction	*
Mr	CXC English Paper, Oral & Written and Reading Mr C. Mackay	*	CXC English Literature Unit 1: The "Other" Nations Unit 2: The "Other" Nations	*	IBEL Literary Theory Unit 1: Introduction	*

Mr. Tony ...
 Head of the Department
 Department of English
 St. Vincent College
 02/07/2011
 Department of English
 St. Vincent College

TEACHING PLAN- 2021-22 (ODD SEMISTERS)
Semester - I
History Honours
Paper – CC- I (Core Course)
Name of the Teacher- Dr. Amiya Ghosh
HISTORY OF INDIA- I (From Earliest times to 600 AD)
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Sept., 2021

I. Reconstructing Ancient Indian History

Early Indian notions of History – Sources and tools of historical reconstruction – Historical interpretations with special reference to gender, environment, technology, and regions.

Oct., 2021

II. Phases of Pre-historic Cultures

Paleolithic, Mesolithic & Neolithic cultures- regional and chronological distribution; new developments in technology and economy; subsistence, and patterns of exchange; Mehargarh - The advent of food production

Nov., 2021

III. The Harappan civilization

Origins; Antiquity and Extent settlement patterns and town planning; agrarian base; craft productions and trade; social and political organization; religious beliefs and practices; art; the problem of urban decline and the late/post-Harappan traditions.

Development of Neolithic and Chalcolithic cultures in post Harappan period.

IV. Cultures in transition

Coming of the Aryans and Aryan Debate, Vedic Literature, expansion of Brahmavarta to Aryavarta, Vedic religion and philosophy; Vedic economy and society.

Religious protest movements;

Second Urbanisation, Sixteen Mahajanpadas to the rise of Magadha.

Dec., 2021

V. Changing political formations (circa 300 BCE to circa CE 300):

The Mauryan Empire & politics- Asoka and the Fall of the Mauryas

Post-Mauryan Polities with special reference to the Kushanas and the Satavahanas; Gana-Sanghas.

Rise of the Guptas, development of Gupta Empire, Gupta Art, Architecture and Literature

VI. Society Economy and Culture in Early India

Agrarian expansion: land grants, changing production relations; graded Land rights and peasantry.

Urban growth: north India, central India and the Deccan; craft production: trade and trade routes; coinage

Social stratification: class, varna, jati, untouchability; gender; marriage and property relations The problem of urban decline: patterns of trade, currency, and urban Settlements.

Semester - I
History Honours
Paper – CC- II (Core Course)

Name of the Teacher- Dr. P.S. Mazumdar

SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE ANCIENT WORLD

6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Sept., 2021

I. Evolution of human Society & Food production : Beginnings of agriculture and animal husbandry

Oct., 2021

II. Bronze Age Civilizations in general with reference to Mesopotamia (upto the Akkadian Empire)-
economy, social stratification, state structure and religion

Nov., 2021

III. Nomadic groups in Central and West Asia: Debate on the advent of iron and its implications

IV. Polis in ancient Greece: origin, features, nature and class composition; Sparta and Athens;
decline of the Polis

Dec., 2021

V. Peloponnesian War: Origin; Resources of belligerents; Course of war; Melos, Mytilene, Periclean
strategy; Sicilian expedition

VI. Greek Culture and Religion: Sophists, Socrates, Games, Drama, Art and Architecture, Greek Gods.

Semester - I

History General
Paper – CC-I A / GE- I (Core Courses)
History of India –I (From Earliest Times up to 300 CE)
Name of the Teacher- Prof Nivedita .Chakravorty
6 Credits, Total Marks 75 (60+15) Total –60 Lectures

Sept., 2021

I. Sources; Prehistory and Proto-historic cultures

Sources & Interpretation - A broad survey of Palaeolithic, Mesolithic And Neolithic Cultures, Bronze age civilization - Harappan Civilization - Origin, Extent, dominant features& decline.

Oct., 2021

II. The Vedic Period

Polity, Society, Economy and Religion, Iron age with reference to PGW & Megaliths.

Nov., 2021

III. Jainism and Buddhism

Causes, Doctrines, Spread, Decline and Contributions

IV. Rise of Magadha

Emergence and growth of the Magadhan Empire

Conditions for the rise of Mahajanpadas and the Causes of Magadha's success;

The Iranian and Macedonian Invasion

Dec., 2021

V. The Mauryan Empire

State and Administration of the Mauryas, Economy, Ashoka's Dhamma, Art & Architecture.

VI. Post Mauryan Period The Satvahana Phase: Aspects of Political History, Material Culture, and Administration & Religion

The Sangam Age: Samgam Literature, The three Early Kingdoms, Society & the Tamil language

The age of Sakas and Kushanas: Parthians & Kushanas, Aspects of Polity, Society, Religion, Arts & Crafts, Coins, Commerce and Towns.

TEACHING PLAN- 2021-22

Semester - III

History Honours

Paper – CC- V (Core Course)

Name of the Teacher- Dr. Partha Sanka Mazumdar

HISTORY OF INDIA IV (circa 1206 CE–circa 1525 CE)

6 credits, Total 75 marks (60 + 15) Total –60 Lectures

Sept., 2021

I. Sources for studying/Interpreting the Delhi Sultanate

Survey of sources: Persian tarikh tradition; vernacular histories; epigraphy

Oct., 2021

II. Sultanate Political Structures Foundation, expansion and consolidation of the Sultanate of Delhi; The Khaljis and the Tughluqs; Mongol threat and Timur's invasion; The Lodis: Conquest of Bahlul and Sikandar; Ibrahim Lodi and the battle of Panipat Theories of kingship; Ruling elites; Sufis, ulama and the political authority; imperial monuments and coinage

Nov., 2021

III. Regional Political structures Emergence of provincial dynasties: Bahamanis, Vijayanagar and Bengal Consolidation of regional identities; regional art, architecture and literature

IV. Sultanate Society and Economy-1 Iqta and the revenue-free grants Agricultural production;

Dec., 2021

V. Sultanate Society and Economy-2 Changes in rural society; revenue systems Monetization; market regulations; growth of urban centers; trade and commerce; Indian Ocean trade

VI. Religion and Culture Sufi silsilas: Chishtis and Suhrawardis; doctrines and practices; social roles Bhakti movements and monotheistic traditions in South and North India; Women Bhaktas; Nathpanthis; Kabir, Nanak and the Sant tradition

Semester - III
History Honours

Paper – CC- VI (Core Course)

Name of the Teacher- Dr. Amiya Ghosh

RISE OF THE MODERN WEST – I (15th& 16th centuries)

6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Sept., 2021

I. Transition from feudalism to capitalism: problems and theories.

Oct., 2021

II. Early colonial expansion: motives, voyages and explorations; the conquests of the Americas: beginning of the era of colonization; mining and plantation; the African slaves.

Nov., 2021

III. Renaissance: its social roots, city-states of Italy; spread of humanism in Europe; Art.

IV. Origins, course and results of the European Reformation in the 16th century.

Dec., 2021

V. Economic developments of the sixteenth century: Shift of economic balance from the Mediterranean to the Atlantic; Commercial Revolution; Influx of American silver and the Price Revolution.

VI. Emergence of European state system: Spain; France; England

Semester - III
History Honours

Paper – CC- VII (Core Course)

Name of the Teacher- Dr. Asim Chaudhuri

HISTORY OF INDIA (1526 – 1757 CE)

6 credits, Total 75 marks (60 + 15) Total – 36 Lectures

Sept., 2021

I. Sources and Historiography

Persian literary culture; translations Literature in regional languages.

Oct., 2021

II. Establishment of Mughal rule

Babur's invasion of India - Struggle for Empire in North India –significance of Babar and Humayun's reign - Significance of Afghan despotism and rise of Sher Shah to power, His administrative and revenue reforms

Nov., 2021

III. Akbar &Consolodation of Mughal Empire

Akbar's Conquests - his Rajput Policy & administrative and religious reforms, Reign of Jahangir, Nurjahan- her role in imperial politics; The Mughals and the North Western frontier and central Asia.Making of a new imperial system and administration, the Mughal nobility, Mansab and Jagir.

IV. Mughal Empire under Aurangazeb

State and religion under Aurangzeb; issues in the war of success ion; policies regarding Religious groups and Institutions -Conquests and limits of expansion - Beginning of the crisis: contemporary perceptions; agrarian and Jagir crises; revolts. Inland and ocean trade network.

Dec., 2021

V. Mughal Art, Architecture & Painting

VI. Patterns of Regional Politics Rajput political culture and state formation -Rise of Maratha power under Shivaji, & expansion under the Peshwas - emergence of regional powers – case studies of Maharashtra, Awadh and Bengal; Bengal Nawabs and the rise of the English East India Company in Bengal. Debate of the 18th Century on the decline of the Mughal Empire.

Semester - III

History Honours

Paper – SEC- I (Skill Enhancement Courses)

Name of the Teacher- Prof. Nivedita Chakraborty

Archives and Museums in India

2 Credits, Total marks – 50 Total – 40 Lectures

This course introduces students to the institutions that house and maintain documentary, visual and material remains of the past. Museums and archives are among the most important such repositories and this course explains their significance and how they work. Students will be encouraged to undertake collection, documentation and exhibition of such materials in their localities and colleges. Visit to National Archives and National Museum are an integral part of the course.

Sept., 2021

I. Definition and history of development (with special reference to India)

Oct., 2021

II. Types of archives and museums: Understanding the traditions of preservation in India
Collection policies, ethics and procedures
Collection: field exploration, excavation, purchase, gift and bequests, loans and deposits, exchanges, treasure trove confiscation and others

Nov., 2021

Documentation: accessioning, indexing, cataloguing, digital documentation and de-accessioning

Preservation: curatorial care, preventive conservation, chemical preservation and restoration

III. Museum Presentation and Exhibition

Dec., 2021

IV. Museums, Archives and Society: Education and communication Outreach activities

Semester - III

History General

Name of the Teacher - Dr. Asim Chaudhuri

Paper – CC- IC / GE- III (Core Course)

HISTORY OF INDIA –III (FROM 1206-1707 AD)

6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Sept., 2021

I. Political History of the Delhi Sultanate Foundation, Expansion and Consolidation of the Delhi Sultanate—Ilbari Turks, Khaljis and the Tughlaqs Nature of the State, nobility and the Ulema, Economic reforms

Oct., 2021

II. Regional Political Formations Bengal Vijaynagar and the Bahamani Kingdoms

III. Mughal ascendancy till the time of Akbar (1605 CE)

Nov., 2021

Babar; Mughal- Afgan conflict, Akbar

IV. Mughal Power in the post Akbar Era (1606-1707 CE) Mughal empire from Jahangir to Aurangzeb

Dec., 2021

V. Economy and Society Revenue administration from iqta, jagir and mansabdari. Inland and oceanic trade

VI. Religion, Art and Architecture Religion;-Sufism, and Bhakti movement Art---painting, sculpture and architecture Literature—Persian and regional

Semester - III

History General

Name of the Teacher – Prof. Nivedita Chakraborty

Paper – SEC- I (Skill Enhancement Courses)

Archives and Museums in India

2 Credits, Total marks – 50 Total – 40 Lectures

This course introduces students to the institutions that house and maintain documentary, visual and material remains of the past. Museums and archives are among the most important such repositories and this course explains their significance and how they work. Students will be encouraged to undertake collection, documentation and exhibition of such materials in their localities and colleges. Visit to National Archives and National Museum are an integral part of the course.

Sept., 2021

I. Definition and history of development (with special reference to India)

II. Types of archives and museums: Understanding the traditions of preservation in India

Oct., 2021

Collection policies, ethics and procedures Collection: field exploration, excavation, purchase, gift and bequests, loans and deposits, exchanges, treasure trove confiscation and others

Documentation: accessioning, indexing, cataloguing, digital documentation and de-accessioning

Preservation: curatorial care, preventive conservation, chemical preservation and restoration

Nov., 2021

III. Museum Presentation and Exhibition

Dec., 2021

IV. Museums, Archives and Society: Education and communication Outreach activities

Semester – V
History Honours Paper – CC- XI (Core Course)
HISTORY OF MODERN EUROPE- II (1789-1870)
Name of the Teacher- Dr. Asim Chaudhuri
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

August, 2021

I. The French Revolution and its European repercussions

Crisis of Ancien regime --- Political, social, economic and intellectual background (role of Philosophers) of the French Revolution , The revolution in the making – the Aristocratic Revolt and the consolidation of the Third Estate. The Constituent Assembly; Radicalization of the Revolution; the reign of Terror and the Thermidorian reaction; social base of the Revolution- Sans culottes, peasants and women; the directory and its achievements and failures.

Sept. 2021

II. Napoleon Bonaparte and the French Revolution Rise of Napoleon; Napoleonic reforms, Napoleonic Empire and Europe Fall of Napoleon: The Continental System; The Spanish Ulcer; The Moscow campaign. Assessment of Napoleon: Character of the French Revolution; Impact of French Revolution on Europe and abroad.

Oct., 2021

III. Restoration and Revolution (1815-1848) Vienna Congress; Concert of Europe; Metternich system Greek War of Independence, Revolution of 1830 & 1848, & their Impact

Nov., 2021

IV. Industrialization and socio economic transformation Industrial Revolution; Definition and characteristics; Pre Industrial society; Industrial Revolution in Britain; Impact on society, economy and politics. Industrialization in the continents, case study of France, Germany and Russia. Emergence of working class and its movements; early Utopian socialist thoughts.

Dec., 2021

V. Age of Nationalism Unification of Italy and Germany nSpecificities of economic development, political and administrative re organization – Italy and Germany The second Empire in France and Louis Napoleon

VI. The Eastern Question

The Crimean War; Treaty of Paris, Balkan Nationalism

Sem- V
History Honours Paper – CC- XII (Core Course)
STUDYING HISTORY WRITING: INDIAN & WESTERN
Name of the Teacher – Dr. Amiya Ghosh
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

August 2021

I. Time, Space & Human Agency Notion of Time and Space in History

Sept. 2021

II. Importance of sources in History

Written, Oral, Visual and Archaeological Sources - Classification of Primary and Secondary sources – Source criticism and authentication

Oct., 2021

III. Philosophy and Theory of History Facts and Interpretation - Philosophy of History – Hypothesis, argumentation and Problematique - Objectivity/Subjectivity in History – Historical Narrative and Generalization

Nov., 2021

IV. Indian & Western Historiography Pre-colonial forms of writing Indian History - Different schools of Indian historiography (Cambridge, Nationalists, Marxists, Subaltern) - Different schools of Western historiography (Rationalist, Romantist, Positivist, Marxist and Annales)

Dec., 2021

V. History and other disciplines bRelationship between History and Science - History and Anthropology - History and Literature etc.

VI. Research Process in History Different stages and steps involved in the process of doing research in History

Sem – V

History Honours

Paper – DSE- I (Discipline Specific Elective)

LIFE AND CULTURE IN PRE-COLONIAL BENGLA: Prehistoric times to mid 18th century.

Name of the Teacher - Dr. Partha Sankha Mazumdar

6 Credits, Total 75 marks (60 + 15) Total Lectures – 60

August, 2021

I. The land environs and places

Historical Geography- ancient and medieval divisions

Sept., 2021

II People and Society

Demography and ethnology – earliest inhabitants; Aryanization of Bengal; Rise of different castes and communities of Bengal; Life of the people-position of women, dress, foods, games and leisure, conveyance

Oct., 2021

III. Political development of Bengal-an overview

Bengal up to Gupta period; Rise of sovereign Bengal; The Muslim invasion and rise of Islam in Bengal up to the rule of the Nawabs

Nov., 2021

IV. Economic life in Bengal Agriculture, crafts and industries; Trade and commerce; Rise of Calcutta and Murshidabad; Emergence of Zamindari system.

V. Religions and art in Bengal Spread of Brahmanism and Brahmanic culture; Vaisnavism; Spread of Buddhism and Jainism; Islam and Bengal; Srichaitanya and Bhakti movement, Sufism; Architecture, sculpture and other forms of art; monastic and temple architecture with reference to Paharpur, Bishnupur; terracotta art

Dec., 2021

VI. Literature and traits of regional culture

a) Pre Bengali Sanskrit literature- kavyas, Jaydeb, UmapatiDhar, Dhoyi

b) The rise and development of Bengali language and literature- Charyapada; Kirtivasa and Kasiram Das, the Mangalkavyas, c) Origin of Folk traditions of Bengal

Sem- V
Paper – DSE- II (Discipline Specific Elective), Honours
LIFE AND CULTURE IN COLONIAL BENGAL (1757-1947)
Name of the Teacher -Prof. Nivedita Chakraborty
6 Credits, Total 75 marks (60 + 15) Total Lectures – 60

August, 2021

1. Establishment of East India Company's rule in Bengal
 - a) Relation between the East India Company and Bengal Nawabs- especially Sirajudaullah.
 - b) Battle of Plassy to grant of Diwani, Dual Government, Famine of 1770
 - c) Experiments in Revenue Administration and Establishment Permanent Settlement-Social and Economic impact of the Permanent Settlement.

Sept. 2021

2. Changes in Social and Economic life up to 19th Century
 - a) The Village community, so called self sufficient Village breaking the said society; Introduction of money index in place of cast system in social status.
 - b) Rise and growth of Calcutta and decline of the old urban centers.
 - c) Popular protests in the 19th Century- Sannyasi, Wababi, Faraiji, Indigo Revolts & Pabna uprising.

Oct., 2021

3. Impact of company's Rule
 - a) Western Education- Role of Missionaries; Women's Education- Medical Education –Emergence of educated middle class. b) The Bengal Renaissance –Religious and social Reforms Movements- Rammohan Roy, Vidyasagar, Young Bengal, Brahma Samaj, Bankim Chandra Chattopadhyay, Vivekananda; The Muslim and Non- Bengalis in Bengal. c) De-industrialization and emergence of Labour Force; Impact of Railways.

Nov., 2021

4. Cultural Scenario in 19th Century
 - a) Bengali Language and Literature; Printing and Press b) Visual & performing arts, painting, Music , Theatre
 - c) Popular religions – (Sahebhdhani, Kartabhaja, Lalansahi,), Culture- (Yatra, Kabigan)
 - d) Science, Technology and Medicine
5. Emergence of Nationalism
 - a) Swadeshi Movement and impact, b) Rise of Extremism; Foundation of Muslim League;
 - c) Gandhian ideology in Bengal,
 - d) Non-co operation, Civil Disobediences and Quit India Movement in Bengal.

Dec., 2021

6. Changes in the 20th Century
 - a) Influence of Nationalism on Literature;Introduction of popular Utsab and Melas
 - b) Evolution Theatres in the 20th Century
 - c) Visions of integration and humanity – Rabindranath, KaziNazrul and Sarat Chandra Chattopadhyay
 - d) Social and cultural impact of the Partition; changing role of Women in Society.

Semester – V
History General
Paper – DSE- IA (Discipline Specific Elective)
SOME ASPECTS OF SOCIETY & ECONOMY OF MODERN EUROPE: 15-18 CENTURY
Name of the Teacher - Dr. Partha Sankha Mazumdar
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

August., 2021

1. Political and Economic Structure of the Feudal Era
 - a. Origins of Feudalism
 - b. Nature of Feudal Society; Regional Variation
 - c. Crisis in Feudalism ; Transition debate

Sept., 2021

2. Renaissance & the Rise of Modern Europe
 - a. Origins; Reason
 - b. Renaissance humanism; rediscovery of Classics
 - c. Italian Renaissance and its Impact

Oct., 2021

3. European Reformation
 - a. Background, nature and impact
 - b. Martin Luther & Protestant Reformation
 - c. Reformation Movements and European States

Nov., 2021

4. European Economy in the 16th Century
 - a. Economic expansion of Europe in the 16th Century
 - b. The rise of new marchants
 - c. Price revolution & Agriculture Revolution

Dec., 2021

5. Science & Technology
 - a. Origins of the Modern science
 - b. Scientific Revolution
 - c. Origins of Enlightenmen
6. Transition from Feudalism to Capitalism
 - a. Transition to Capitalism and its debates.
 - b. Nature of the Capitalism
 - c. Industrial Revolution in England.

History General , Sem-V
Paper – GE I (Generic Elective Paper)
Women Studies in India
Name of the Teacher –Dr. Asim Chaudhuri
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

August, 2021

I. Basic Concepts & Theories

- a. Defining Gender
- b. Patriarchy: Ideology and Practice
- c. Relationship between Gender, Caste, Class Religion & Politics

Sept., 2021

II. Emergence of Women Studies in India

- a. A Survey from the 1980s
- b. Women Studies: Regional Centres; the Core-Periphery discourse
- c. Academic connect with Activism

Oct., 2021

III. Gender & Social History

- a. Family & Marriage
- b. Women's question in the 19th century
- c. Women's movement in Colonial & Post-Colonial India

Nov., 2021

IV. Gender, Law & Politics

- a. Political Participation
- b. Violence against Women – Preventive laws

Dec., 2021

V. Gender & Development

- a. Issues of Labour & Health
- b. Access to resources
- c. Gender Audit

VI. Gender & Culture

- a. Cultural Practices and Gender
- b. Interrogating Gender through the lens of culture
- c. Regional Cultures and Gender in India

Sem – V
History General
Paper – SEC III (Skill Enhancement Course)
An Introduction to Archaeology
Name of the Teacher - Dr. Amiya Kumar Ghosh
2 Credits, Total marks – 50 Total – 40 Lectures

August, 2021

I. Definition & Components

Sept., 2021

II. Historiographical Trends

Oct., 2021

III. Research Methodologies

Nov., 2021

IV. Definition of Historical Sites & Explorations

Dec., 2021

V. Field Work & Tools of research

VI. Documentation, Codification, Classification, Analysis of findings and publications

ODD SEM 2021-22

DEPARTMENT OF POLITICAL SCIENCE
TEACHING PLAN OF JAGANNATH BARMAN
Political Science (Honours) (2020-21) (July 2020 – June 2021)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC-1; Hegel: State. CC-2; The meaning of Politics.	3 3	CC-7; Rural Administration in West Bengal: Panchayati Raj Institutions; Role of BDO.	14	CC-11; Social Movements: Definition. Distinction between "new" and "old" social movements	10
August	CC-2; Meaning of Political Theory.	6	CC-7; Urban Administration in West Bengal: Municipalities and Municipal Corporations.	14	CC-11; Positive discrimination and Dalit movements(Panthers) in India	10
September	CC-2; Importance of Political Theory.	6	CC-7; District Administration: Role of DM, SP & SDO	14	CC-11; Trade Union movements in India: an overview of strength and weaknesses.	10
October	CC-2; Decline and Resurgence of Political Theory.	6	CC-7; State Administration in West Bengal: Chief Secretary; Divisional Commissioner	14	CC-11; Peasant moments in India: Case Study (Telengana and Tebhaga)	10
November	CC-2; Theories of State: Idealist and Liberal	6	CC-7; Administrative Reforms in India	14	CC-11: Women's movements in India: key issues	10
December	CC-2; Theories of State: Marxist and Gandhian	6	CC-7; Impact of Globalization – RTI, Lokpal and Lokayukta	14	CC-11; Environmental Movements in India: Chipko, Narmada Bachao Andolan	10
January	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC-3; Rabindranath Tagore ; State, Society and Nation.	10	CC-8; National Power: Concepts and Elements	10	CC-13 Key Determinants Of India's Foreign Policy-Geography, Parliament,	10
February	CC-4; The Constituent Assembly: its Composition and role	10	CC-9; Religion and Politics; Concept of Secularism	10	CC-13; Key Determinants Of India's Foreign Cabinet, PMO	10
March	CC-4; The Preamble and its Significance	10	CC-10; Regional Economic Organizations-APEC &OPEC	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Pakistan,	10
April	CC-4; Nature of Indian Federalism	10	CC-10 Regional security organizations-NATO & ARF.	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bangladesh	10
May	CC-4; Centre-States Legislative Relations	10	CC-10; Regional Organizations: SAARC and ASEAN	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Nepal,	10
June	CC-4; Centre-States Administrative and Financial Relations	10	CC-10; Regional Organizations BRICS – Goals and Functioning	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bhutan	10

DEPARTMENT OF POLITICAL SCIENCE
TEACHING PLAN OF JAGANNATH BARMAN
Political Science (Honours) (2020-21) (July 2021– June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC-1; Hegel: State. CC-2; The meaning of Politics.	3 3	CC-7; Rural Administration in West Bengal: Panchayati Raj Institutions; Role of BDO.	14	CC-11; Social Movements: Definition. Distinction between "new" and "old" social movements	10
August	CC-2; Meaning of Political Theory.	6	CC-7; Urban Administration in West Bengal: Municipalities and Municipal Corporations.	14	CC-11; Positive discrimination and Dalit movements(Panthers) in India	10
September	CC-2; Importance of Political Theory.	6	CC-7; District Administration: Role of DM, SP & SDO	14	CC-11; Trade Union movements in India: an overview of strength and weaknesses.	10
October	CC-2; Decline and Resurgence of Political Theory.	6	CC-7; State Administration in West Bengal: Chief Secretary; Divisional Commissioner	14	CC-11; Peasant moments in India: Case Study (Telengana and Tebhaga)	10
November	CC-2; Theories of State: Idealist and Liberal	6	CC-7; Administrative Reforms in India	14	CC-11: Women's movements in India: key issues	10
December	CC-2; Theories of State: Marxist and Gandhian	6	CC-7; Impact of Globalization – RTI, Lokpal and Lokayukta	14	CC-11; Environmental Movements in India: Chipko, Narmada Bachao Andolan	10
January	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC-3; Rabindranath Tagore ; State, Society and Nation.	10	CC-8; National Power: Concepts and Elements	10	CC-13 Key Determinants Of India's Foreign Policy-Geography, Parliament,	10
February	CC-4; The Constituent Assembly: its Composition and role	10	CC-9; Religion and Politics; Concept of Secularism	10	CC-13; Key Determinants Of India's Foreign Cabinet, PMO	10
March	CC-4; The Preamble and its Significance	10	CC-10; Regional Economic Organizations-APEC &OPEC	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Pakistan,	10
April	CC-4; Nature of Indian Federalism	10	CC-10 Regional security organizations-NATO & ARF.	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bangladesh	10
May	CC-4; Centre-States Legislative Relations	10	CC-10; Regional Organizations: SAARC and ASEAN	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Nepal,	10
June	CC-4; Centre-States Administrative and Financial Relations	10	CC-10; Regional Organizations BRICS – Goals and Functioning	10	CC-13; India's Foreign Policy towards her neighbours; Recent engagement with Bhutan	10

DEPARTMENT OF POLITICAL SCIENCE

TEACHING PLAN OF MADHABI LAHA

Political Science (Honours) (2020-21) (July 2020 – June 2021)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC-2; Different Approaches:	5	CC-7; 73rd Amendment Act and its implications for rural local-self Government in India.	5	DSE-2 Transnational economic actors	5
August	CC-2; Traditional Approach	5	SEC-1; Powers and functions of people's representatives at different tiers of governance	5	DSE-2; Role of MNC s	5
September	CC-2; Traditional Approach	5	SEC-1: Members of Parliament; State Legislative Assemblies	5	DSE-2; Role of MNC s	5
October	CC-2; Behavioural Approach	5	CC-7: 74th Amendment Act and its implications for urban local-self Government in India	5	DSE-2; Global Poverty	5
November	CC-2; Post-Behavioural Approach	5	SEC-1; Supporting the legislative process	5	DSE-2; Global Poverty	5
December	CC-2; Marxist Approach	5	Sec-1: Law-making procedure, Role of Committees	5	DSE-2; Sustainable Development Goal	5
January	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC-3; Main features of medieval Muslim Political Thought	5	CC-8: Nature and Scope of International Relations;	5	DSE-4 Globalization:Meaning and debates	5
February	CC-3: Main features of medieval Muslim Political Thought.	5	CC-8; Idealist Approach in IR	5	DSE-4 Globalization:Meaning and debates	5
March	CC-4; Party System in India	5	CC-8; Realist and Neo-Realist approaches in IR	5	DSE-4 Globalization:Meaning and debates	5
April	CC-4; Features of Indian Party System	5	CC-8; Foreign Policy and Diplomacy: Concepts	5	DSE-4; Impact of Globalization on Indian Economy	5
May	CC-4; Trends of Indian Party System	5	CC-8; Foreign Policy and Diplomacy: Determinants and Objectives	5	DSE-4; Impact of Globalization on Indian Economy	5
June	CC-4; Coalition Governments in India	5	CC-8; Indian Foreign Policy: Basic Tenets	5	DSE-4; Impact of Globalization on Indian Economy	5

DEPARTMENT OF POLITICAL SCIENCE

TEACHING PLAN OF MADHABI LAHA

Political Science (Honours) (2020-21) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC-2; Different Approaches:	5	CC-7; 73rd Amendment Act and its implications for rural local-self Government in India.	5	DSE-2 Transnational economic actors	5
August	CC-2; Traditional Approach	5	SEC-1; Powers and functions of people's representatives at different tiers of governance	5	DSE-2; Role of MNC s	5
September	CC-2; Traditional Approach	5	SEC-1: Members of Parliament; State Legislative Assemblies	5	DSE-2; Role of MNC s	5
October	CC-2; Behavioural Approach	5	CC-7: 74th Amendment Act and its implications for urban local-self Government in India	5	DSE-2; Global Poverty	5
November	CC-2; Post-Behavioural Approach	5	SEC-1; Supporting the legislative process	5	DSE-2; Global Poverty	5
December	CC-2; Marxist Approach	5	Sec-1: Law-making procedure, Role of Committees	5	DSE-2; Sustainable Development Goal	5
January	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC-3; Main features of medieval Muslim Political Thought	5	CC-8: Nature and Scope of International Relations;	5	DSE-4 Globalization:Meaning and debates	5
February	CC-3: Main features of medieval Muslim Political Thought.	5	CC-8; Idealist Approach in IR	5	DSE-4 Globalization:Meaning and debates	5
March	CC-4; Party System in India	5	CC-8; Realist and Neo-Realist approaches in IR	5	DSE-4 Globalization:Meaning and debates	5
April	CC-4; Features of Indian Party System	5	CC-8; Foreign Policy and Diplomacy: Concepts	5	DSE-4; Impact of Globalization on Indian Economy	5
May	CC-4; Trends of Indian Party System	5	CC-8; Foreign Policy and Diplomacy: Determinants and Objectives	5	DSE-4; Impact of Globalization on Indian Economy	5
June	CC-4; Coalition Governments in India	5	CC-8; Indian Foreign Policy: Basic Tenets	5	DSE-4; Impact of Globalization on Indian Economy	5

DEPARTMENT OF COMPUTER SCIENCE

TEACHING PLAN OF SRI HARADHAN MARDI
Computer Science (General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	Theory: CC-1A: Problem Solving using Computer Unit1: Computer Fundamentals Unit2: Planning the Control Program Unit3: Techniques of Problem Solving	14	Theory CC-1C: Operating Systems Unit1: Introduction Unit2: Types of operating systems Unit3: Operating System Organization Practical CC-1C: Operating Systems Shell scripting with basic commands	14	Theory DSE-1A: Programming in Java Unit1: Introduction to Java Unit2: Object Oriented Programming (concept) Unit3: Java Programming Fundamental Practical DSE-1A: Programming in Java Basic Java programming	13
	Practical CC-1A: Problem Solving using Computer Learning about hardware and software	4	Theory SEC1: Office Automation Tools Unit1: Introduction to open office MS office/Libre office Unit2: Word Processing Practical SEC1: Office Automation Tools MS Word	4 4 2	Theory SEC3: MySQL/ PL-SQL Unit1: SQL Vs. SQL * Plus Unit2: Managing Tables and Data Practical SEC3: MySQL/ PL-SQL SQL commands	4 4 3
Aug	Theory: CC-1A: Problem Solving using Computer Unit4: Overview of Programming Unit5: Introduction to Python Practical CC-1A: Problem Solving using Computer Section A (Simple programs) Solving simple mathematical problem.	12 4	Theory CC-1C: Operating Systems Unit 4: Process Management Practical CC-1C: Operating Systems Shell scripting Theory SEC1: Office Automation Tools Unit2: Word Processing Practical SEC1: Office Automation Tools MS Word	16 4 4 2	Theory DSE-1A: Programming in Java Unit3: Java Programming Fundamental Unit4: Classes and Objects Practical DSE-1A: Programming in Java Programming using concepts of Classes and objects Theory SEC3: MySQL/ PL-SQL Unit2: Managing Tables and Data Practical SEC3: MySQL/ PL-SQL SQL Functions	12 4 4 2
Sept	Theory: CC-1A: Problem Solving using Computer Unit6: Creating Python Programs Practical CC-1A: Problem Solving using Computer Section A (Simple programs) Programming using control statement	10 4	Theory CC-1C: Operating Systems Unit 5: Scheduling Practical CC-1C: Operating Systems Shell scripting Theory SEC1: Office Automation Tools Unit3: Spreadsheets Practical SEC1: Office Automation Tools MS Excel	12 4 4 2	Theory DSE-1A: Programming in Java Unit4: Classes and Objects Unit5: Arrays and Strings Practical DSE-1A: Programming in Java Programming using concepts of Classes, Objects, Strings and Arrays Theory SEC3: MySQL/ PL-SQL Unit3: Other Database Objects Practical SEC3: MySQL/ PL-SQL SQL Functions	12 4 4 4 2
Oct	Theory: CC-1A: Problem Solving using Computer Unit7: Structures Practical CC-1A: Problem Solving	10	Theory CC-1C: Operating Systems Unit 6: Memory Management Practical CC-1C: Operating Systems	8 4	Theory DSE-1A: Programming in Java Unit 6: Abstract Class, Interface and Packages Practical	8

	using Computer Section A: Simple programs Programming using different structures.	4	Shell scripting: Theory SEC1: Office Automation Tools Unit3: Spreadsheets Special class Practical SEC1: Office Automation Tools MS Excel	2 2	DSE-1A: Programming in Java Programming with the concepts of Abstract Class, Interface and Packages Theory SEC3: MySQL/ PL-SQL Unit4: Transaction Control Statements Practical SEC3: MySQL/ PL-SQL PL-SQL	4 4 2
Nov	Theory: CC-1A: Problem Solving using Computer Unit9: Introduction to Advanced Python Practical CC-1A: Problem Solving using Computer Section B (Visual Python) Programming Visual Python	4 4	Theory CC-1C: Operating Systems Unit 6: Memory Management Unit7: Shell introduction and Shell Scripting Practical CC-1C: Operating Systems Shell scripting Theory SEC1: Office Automation Tools Unit4: Presentation Tools Practical SEC1: Office Automation Tools MS Power/point	8 4 4 2	Theory DSE-1A: Programming in Java Unit7: Exception Handling Unit8: File Handling Practical DSE-1A: Programming in Java Programming with Exception Handling and File Handling Theory SEC3: MySQL/ PL-SQL Unit4: Transaction Control Statements Practical SEC3: MySQL/ PL-SQL PL-SQL	9 4 4 2
Dec	Theory: CC-1A: Problem Solving using Computer Special classes + double clearing discussions Practical CC-1A: Problem Solving using Computer Practice classes	4 2	Theory CC-1C: Operating Systems Unit7: Shell introduction and Shell Scripting Practical CC-1C: Operating Systems Shell scripting Theory SEC1: Office Automation Tools Unit4: Presentation Tools Practical SEC1: Office Automation Tools MS Power/point	3 2 2 2	Theory DSE-1A: Programming in Java Unit9: Applet Programming Practical DSE-1A: Programming in Java Applet Programming Theory SEC3: MySQL/ PL-SQL Special Classes Practical SEC3: MySQL/ PL-SQL Practice classes	6 1 2 2
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
Jan	Theory: CC-1B: Database Management Systems Unit1: Introduction to Database Management Systems Practical CC-1B: Database Management Systems DDL commands	10 8	Theory CC-1D: Computer System Architecture Unit 1: Introduction Practical CC-1D: Computer System Architecture Designing instructions Theory SEC-2: HTML Programming Unit 1: Introduction Unit2: The basics Practical SEC-2: HTML Programming Applying basic commands	12 4 5 2	Theory DSE-1B: Computer Networks Unit1: Basic concepts Practical DSE-1B: Computer Networks Simulating Checksum Algorithm Theory SEC4: PHP Programming Unit 1: Introduction to PHP Unit 2: Handling HTML form with PHP Practical SEC4: PHP Programming Solving basic mathematical problems	16 4 6 2

Feb	<p>Theory CC-1B: Database Management Systems Unit 2: Entity Relationship and Enhanced ER Modeling</p> <p>Practical CC-1B: Database Management Systems DDL commands</p>	15	<p>Theory CC-1D: Computer System Architecture Unit 2: Data Representation and basic Computer Arithmetic Unit 3: Basic Computer Organization and Design</p> <p>Practical CC-1D: Computer System Architecture Problem solving using register reference instructions</p> <p>Theory SEC-2: HTML Programming Unit 3: Links</p> <p>Practical SEC-2: HTML Programming Creating links</p>	14	<p>Theory BSE-1B: Computer Networks Unit 2: Physical Layer Unit 3: Data Link Layer</p> <p>Practical BSE-1B: Computer Networks Simulating CSMA Algorithm</p> <p>Theory SEC4: PHP Programming Unit 3: PHP conditional events and Loops</p> <p>Practical SEC4: PHP Programming Solving mathematical problems using array</p>	14
		8		4	4	3
Mar	<p>Theory CC-1B: Database Management Systems Unit 3: Relational Data Model</p> <p>Practical CC-1B: Database Management Systems Query solving with SQL commands</p>	15	<p>Theory CC-1D: Computer System Architecture Unit 3: Basic Computer Organization and Design</p> <p>Practical CC-1D: Computer System Architecture Problem solving using memory reference instructions</p> <p>Theory SEC-2: HTML Programming Unit 4: Images</p> <p>Practical SEC-2: HTML Programming Creating images</p>	13	<p>Theory BSE-1B: Computer Networks Unit 4: Network Layer Unit 5: Transport Layer</p> <p>Practical BSE-1B: Computer Networks Simulating Stop & Wait Protocol</p> <p>Theory SEC4: PHP Programming Unit 4: PHP Functions</p> <p>Practical SEC4: PHP Programming Solving mathematical problems using string</p>	14
		8		4	4	3
Apr	<p>Theory CC-1B: Database Management Systems Unit 4: Database design</p> <p>Practical CC-1B: Database Management Systems Query solving with SQL commands</p>	10	<p>Theory CC-1D: Computer System Architecture Unit 4: Central Processing Unit</p> <p>Practical CC-1D: Computer System Architecture Problem solving using input-output reference instructions</p> <p>Theory SEC-2: HTML Programming Unit 5: Tables</p> <p>Practical SEC-2: HTML Programming Creating tables</p>	10	<p>Theory BSE-1B: Computer Networks Unit 6: Application Layer</p> <p>Practical BSE-1B: Computer Networks Simulate Go-Back-N Protocol</p> <p>Theory SEC4: PHP Programming Unit 5: String Manipulation and Regular Expression</p> <p>Practical SEC4: PHP Programming Solving mathematical problems using loop</p>	10
		8		4	4	4

May	<p>Theory CC-1B: Database Management Systems Unit 4: Database design</p> <p>Practical CC-1B: Database Management Systems Query solving with SQL commands</p>	<p>10</p> <p>8</p>	<p>Theory CC-1B: Computer System Architecture Unit 5: Programming the Basic Computer Unit 6: Input-output Organization</p> <p>Practical CC-1B: Computer System Architecture Problem solving using different type reference instructions</p> <p>Theory SEC-2: HTML Programming Unit 6: Forms</p> <p>Practical SEC-2: HTML Programming Creating forms</p>	<p>12</p> <p>4</p> <p>5</p> <p>2</p>	<p>Theory DSE-1B: Computer Networks Unit 7: Network Security</p> <p>Practical DSE-1B: Computer Networks Simulating Selective Repeat Protocol</p> <p>Theory SEC4: PHP Programming Unit 6: Array</p> <p>Practical SEC4: PHP Programming Solving mathematical problems using recursion</p>	<p>6</p> <p>4</p> <p>4</p> <p>2</p>
	<p>Theory CC-1B: Database Management System Special class</p> <p>Practical CC-1B: Database Management System Query solving with SQL commands</p>	<p>4</p> <p>4</p>	<p>Theory CC-1B: Computer System Architecture Special class</p> <p>Practical CC-1B: Computer System Architecture Repeat practical Class</p> <p>Theory SEC-2: HTML Programming Special class</p> <p>Practical SEC-2: HTML Programming Repeat practical Class</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>Theory DSE-1B: Computer Networks Special Classes</p> <p>Practical DSE-1B: Computer Networks Repeat practical Class</p> <p>Theory SEC4: PHP Programming Special classes</p> <p>Practical SEC4: PHP Programming Repeat practical Class</p>	<p>2</p> <p>1</p> <p>2</p> <p>2</p>
June						

Haradhan Mondal
 Head of the Department
 Department of Computer Science
 Suri Vidyasagar College
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DEPARTMENT OF BENGALI S.V.C
Teaching Plan 2021-22

July-December 2021
HONOURS

প্রথম সেমিস্টার সাম্মানিক

CC-1 বাংলা সাহিত্যের ইতিহাস : প্রাচীন ও মধ্যযুগ

চর্যাগীতি থেকে বৈষ্ণব পদাবলী ও তার প্রধান প্রধান কবি পর্যন্ত- S.M class-30

মঙ্গলকাব্য থেকে বাউলগান পর্যন্ত – U.G Class-30

CC-2 – ছন্দ ও অলংকার

ছন্দ- SD class-30

অলংকার SBM class-30

তৃতীয় সেমিস্টার সাম্মানিক

CC-5 বাংলা সাহিত্যের ইতিহাস (১৮০১-১৯৫০)

বাংলা গদ্যের উৎপত্তি ও বিকাশ- S.M Class-12

কবিতা- Sb.M Class-12

কথাসাহিত্য-Sb.M Class-12

নাটক- U.G Class-12

প্রবন্ধ- S.D class-12

CC-6 ভাষাতত্ত্ব

বাংলা ভাষার উৎস, ইতিহাস ও যুগবিভাগ; ধ্বনির উচ্চারণ স্থান। -U.G Class-20

ধ্বনির বর্ণীকরণ ও ধ্বনির পরিবর্তন; শব্দার্থ তত্ত্ব; সাধু-চলিত; বাংলা শব্দ ভাণ্ডার; বাক্যতত্ত্ব; বাংলা উপভাষা। - S.D

Class-40

CC-7 উনিশ শতকের কাব্য

বীরঙ্গনা কাব্য-S.M Class-30

সারদামঙ্গল-P.M Class-30

পঞ্চম সেমিস্টার সাম্মানিক

CC-11 – গল্প

গল্পগুচ্ছ- P.M Class-30

একালের গল্প- U.G Class-30

CC-12 প্রবন্ধ ও প্রাচ্য কাব্যতত্ত্ব

প্রবন্ধ সংকলন- S.D

Class-30

কাব্য জিজ্ঞাসা- S.M

Class-30

DSE-1 উনিশ শতকের বাংলা কাব্য ও প্রবন্ধ

উনিশ শতকের বাংলা আখ্যানকাব্য – S.M

Class-15

গীতিকবিতা- Sb.M

Class-15

উনিশ শতকের বাংলা প্রবন্ধ – S.D

Class-30

DSE-2 উনিশ শতকের বাংলা নাটক ও কথা সাহিত্য

উনিশ শতকের বাংলা নাটক- U.G

Class-30

উনিশ শতকের বাংলা উপন্যাস ও গল্প- Sb.M

Class-30

Teaching Plan 2021-22

JULY-DECEMBER- 2021

GENERAL COURSE

SEM-1 (GENERAL)

GE-1/CC-1A – (H+ G) প্রবন্ধসাহিত্য

বঙ্কিমচন্দ্র চট্টোপাধ্যায়- P.M

Class-30

রবীন্দ্রনাথ ঠাকুর-P.M

Class-30

SEM-3 (GENERAL)

GE-3/CC-1C (H+ G) বাংলা সাহিত্যের ইতিহাস

চর্যাগীতি থেকে বিদ্যাসাগর- S.M

Class-10

উপন্যাস- P.M

Class-10

নাটক- P.M

Class-10

ছোটগল্প-Sb.M

Class-10

প্রবন্ধ-Sb.M

Class-10

কবিতা-Sb.M

Class-10

SEC-1 (H+G) বাংলা ব্যাকরণ

পদ পরিচয়, সন্ধি, সমাস- U.G

Class-10

কারক, বিভক্তি, বাচ্য, বাক্য পরিবর্তন – S.D

Class-10

SEM-5 (GENERAL)

DSE-1A (GEN) উনিশ শতকের বাংলা উপন্যাস/গল্প

উনিশ শতকের বাংলা উপন্যাস-

প্রারম্ভ থেকে বঙ্কিমচন্দ্র পর্যন্ত – SD Class-30

বঙ্কিম যুগের অন্যান্য ঔপন্যাসিক- UG Class-30

GE-1 (GEN) উনিশ শতকের বাংলা প্রবন্ধ- No STUDENT FOR THIS SEM.

SEC-3 (GEN) প্রবন্ধ ও প্রতিবেদন

প্রবন্ধ রচনা- Sb.M Class-10

প্রতিবেদন রচনা-S.M Class-10

Teaching Plan 2021-22

January-June 2022

HONOURS

দ্বিতীয় সেমিস্টার সাম্মানিক

সিসি-৩

বৈষ্ণব পদাবলী- এস.এম Class-30

শাক্তপদাবলী – ইউ.জি Class-30

সিসি-৪

রামায়ণ- এস.ডি Class-30

অন্নদামঙ্গল- এস.বি.এম Class-30

চতুর্থ সেমিস্টার সাম্মানিক

সিসি-৮

রবীন্দ্র কবিতা- ইউ.জি Class-30

আধুনিক কবিতা- এস.ডি Class-30

সি সি-৯

চন্দ্রশেখর- এস.এম Class-30

গণদেবতা- ইউ.জি Class-30

সিসি-১০

নীলদর্পণ- এস.বি.এম Class-30

শারদোৎসব – পি.এম Class-30

ষষ্ঠ সেমিস্টার সাম্মানিক

সিসি-১৩

সংস্কৃত সাহিত্যের ইতিহাস- ইউ.জি	Class-30
ইংরেজি সাহিত্যের ইতিহাস- এস.ডি	Class-30

সিসি-১৪

সাহিত্যের রূপ-রীতি – এস.এম	Class-30
সাহিত্যের সংরূপ- পি.এম	Class-30

ডি.এস.ই -৩

স্বাধীনতা পূর্ববর্তী বাংলা গল্প- ইউ.জি	Class-30
স্বাধীনতা পূর্ববর্তী বাংলা উপন্যাস- এস.বি.এম	Class-30

ডি.এস.ই-৪

*প্রবন্ধ রচনা- এস.এম	Class-30
*লোকসংস্কৃতি ও লোকসাহিত্য-	
শুরু থেকে ধাঁধা পর্যন্ত – এস.ডি	Class-15
লোকসংগীত, লোকনাট্য, মন্ত্র, ময়মনসিংহ গীতিকা – এস.বি.এম	Class-15

Teaching Plan 2021-22

January-June 2022

GENERAL COURSE

SEM-2 GENERAL

জি.ই-২/ সিসি-১বি

প্রভাতকুমার মুখোপাধ্যায়- পি.এম	Class-30
শরৎচন্দ্র চট্টোপাধ্যায়- পি.এম	Class-30

এ.ই.সি.সি-২

*ভাষা অংশ

ক) বোধপরীক্ষা- স্বদেশী সমাজ, বাংলা ভাষা, বই পড়া, স্ত্রী জাতির অবনতি, অপবিজ্ঞান- পি.এম	
খ) সংবাদপত্রে প্রতিবেদন রচনা- পি.এম	Class-5
গ) ইংরেজি থেকে বাংলায় অনুবাদ- এস.ডি	Class-5
*সাহিত্য অংশ- কবিতার ভাবসৌন্দর্য বিশ্লেষণ- এস.এম	Class-10
*ছোটগল্পের সাহিত্যমূল্য বিচার- এস.বি.এম	Class-10

সিসি-(এল২-১)- পিওর পাশ স্টুডেন্টদের জন্য

আদরিণী- ইউ.জি	Class-12
তারিণী মাঝি- এস.ডি	Class-12
মৌরিফুল- এস.এম	Class-12
হারানের নাতজামাই-পি.এম	Class-12
তাজমহল- এস.বি.এম	Class-12

SEM-4 GENERAL

জি.ই-৪/সিসি১ডি

বাংলা ভাষার উৎস- থেকে- ভাষাতাত্ত্বিক বৈশিষ্ট্য পর্যন্ত – এস.বি.এম Class-30

শব্দ ভান্ডার, সাধু-চলিত, উপভাষা- এস.ডি Class-30

এস.ই.সি-২

পত্রলিখন, প্রতিবেদন- এস.এম Class-10

অনুচ্ছেদ, ভাবার্থ ও ভাব সম্প্রসারণ- পি.এম Class-10

এল২-২

বলাকা, বনলতাসেন- ইউ.জি Class-12

আমার কৈফিয়ত,বিরহ- এস.ডি Class-12

প্রার্থনা, মল্লয়ার দেশ- এস.এম Class-12

কাস্তে, পরাণ মাঝি- এস.বি.এম Class-12

বাবরের প্রার্থনা, অবনী বাড়ি আছ- পি.এম Class-12

SEM-6 GENERAL

ডি.এস.ই-১বি

উনিশ শতকের বাংলা নাটক- ইউ.জি Class-60

অথবা

উনিশ শতকের বাংলা প্রবন্ধ- এস.ডি Class-60

জিই-২

উনিশ শতকের বাংলা ভ্রমণসাহিত্য ও চিঠিপত্র- এস.এম Class-60

এস.ই.সি-৪

ব্যবহারিক বাংলাচর্চা ও অনুবাদচর্চা- এস.বি.এম Class-20

এস.এম= Smt. Sailee Mukherjee, Associate Professor

ইউ.জি= Dr. Ujjwal Kumar Gangopadhyay, Associate Professor

এস.ডি= Dr. Sristidhar Das, Associate Professor

এস.বি.এম= Sri Sunil Baran Mondal, Assistant Professor 1

পি.এম= Smt. Pinki Mondal, SACT

SEMESTER WISE CLASS ALLOTMENT Academic Year July2020-June 2021
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	Sem 1H	Sem 1G	Sem 2H	Sem 2G	Sem 3H	Sem 3G	Sem 4H	Sem 4G	Sem 5H	Sem 5G	Sem 6H	Sem 6G
S.M	30		30	22	42	10	30	22	45	10	60	60
U.G	30		30	12	32	10	60	12	60	30	60	60
S.D	30		30	17	52	10	30	42	60	30	45	60
S.B.M	30		30	22	24	30	30	42	45	10	45	20
P.M		60		65	30	20	30	22	30		30	

DEPARTMENT OF MICROBIOLOGY

TEACHING PLAN OF AMARNATH CHATTOPADHYAY
Microbiology (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	Theory: CC1: Introduction to Microbiology and Microbial Diversity Unit 2: Diversity of Microbial world	8	Theory CC5: Microbial Physiology & Metabolism Unit 1: Microbial Growth and Effect of Environment on Microbial Growth	10	Theory CC11: Industrial Microbiology Unit 3: Types of fermentation processes, bio-reactors	10
	Practical CC1: Introduction to Microbiology and Microbial Diversity To study the principle and applications of instruments (autoclave, incubator, hot air oven, centrifugation, light microscope, pH meter) used in the microbiology laboratory	4	Practical CC5: Microbial Physiology & Metabolism Study of growth curve of <i>E. coli</i> by turbidometric method, standard plate count method, Direct count method by phase contrast microscopy	6	Practical CC11: Industrial Microbiology Demonstration of different parts of a typical fermenter	4
			Theory SEC1: Microbial Diagnosis in Health Clinics Unit 3 Direct Microscopic Examination and Culture	3	DSE1: Microbes in Sustainable Agriculture Enumeration of bacterial load of barren and fertile soil	4
Aug	Theory: CC2: Bacteriology Unit 2: Bacteriological Techniques	6	Theory CC6: Cell Biology Unit 2: Nucleus	8	Theory CC12: Immunology Unit 4: Antibodies Unit 5: Major Histocompatibility Complex	8
	Practical CC1: Introduction to Microbiology and Microbial Diversity Preparation of culture media (Nutrient Broth and Nutrient Agar) for bacterial cultivation	2	Practical CC5: Microbial Physiology & Metabolism Calculation of generation time and specific growth rate of bacteria from the graph plotted with the given data	2	Practical CC12: Immunology Total Leukocyte Count of the given blood sample	4
		2	CC6: Cell Biology Effect of temperature on growth of <i>E. coli</i>	2	Differential Leukocyte Count of the given blood sample (demonstration)	4
	Sterilization of medium using Autoclave and assessment for sterility	2	Theory SEC1: Microbial Diagnosis in Health Clinics Unit 3 Direct Microscopic Examination and Culture	3		
Sept	Theory: CC2: Bacteriology Unit 2: Bacteriological Techniques	2	Theory CC3: Microbial Physiology & Metabolism Unit 4: Chemoheterotrophic Metabolism- Anaerobic respiration and fermentation	5	Theory DSE2: Instrumentation and Biotechniques Unit 2 Chromatography	10
	CC1: Introduction to Microbiology and Microbial Diversity Unit 6: Protozoa	4	Practical CC5: Microbial Physiology & Metabolism Determination of the thermal death point of <i>E. coli</i>	2	Practical DSE1: Microbes in Sustainable Agriculture Study soil profile (Water holding capacity, pH, total organic carbon content)	6
	Practical CC1: Introduction to Microbiology and Microbial Diversity Isolation and enumeration of bacteria from air, water and soil	6	CC6: Cell Biology Study of a representative plant (epidermal cell of <i>Rhiza</i> sp.) and animal cell (squamous epithelial cell) by microscopy	4	CC11: Industrial Microbiology Industry/Institute Visit	4
			Theory SEC1: Microbial Diagnosis in Health Clinics Unit 6: Testing for Antibiotic Sensitivity in Bacteria	4		

Oct	Theory: CC1: Introduction to Microbiology and Microbial Diversity Unit 6: Protozoa Practical CC2: Bacteriology Estimation of CFU count by spread plate method/pour plate method	2 2	Theory CC7: Molecular Biology Unit 2: Replication of DNA (Prokaryotes and Eukaryotes) Practical CC6: Cell Biology Study of different stages of Mitosis from permanent slide Theory SEC1: Microbial Diagnosis in Health Clinics Unit 4: Serological and Molecular Methods	5 2 3	Theory DSE1: Microbes in Sustainable Agriculture Unit 6 GM crops Practical CC11: Industrial Microbiology Microbial fermentations for the production and estimation (qualitative and quantitative) of : Alcohol: Ethanol CC12: Immunology Identification of human blood groups	6 4 2
	Theory: CC2: Bacteriology Unit 3: Growth & Reproduction in Bacteria Practical CC2: Bacteriology Isolation of pure cultures of bacteria by streaking method. Preservation of bacterial cultures (slant/stab)	6 2 2	Theory CC7: Molecular Biology Unit 2: Replication of DNA (Prokaryotes and Eukaryotes) Unit 5: Regulation of gene Expression Practical CC7: Molecular Biology Isolation of genomic DNA from <i>E. coli</i> Theory SEC1: Microbial Diagnosis in Health Clinics Unit 4: Serological and Molecular Methods	5 5 3	Theory CC11: Industrial Microbiology Unit 2: Isolation of industrially important microbial strains and fermentation media CC12: Immunology Unit 8: Immunological Techniques Practical DSE2: Instrumentation and Biotechniques Separation of mixtures of amino acids and sugars by paper chromatography Separation of mixtures of amino acids and sugars by thin layer chromatography.	9 4 4 4
	Theory: CC2: Bacteriology Unit 6: Bacterial Systematics Special Classes, Doubt clearance Practical CC2: Bacteriology Motility by hanging drop method; Practice Classes	4 1 2 2	Theory CC7: Molecular Biology Unit 6: Regulation of gene Expression Special classes for doubt clearance Practical CC7: Molecular Biology Resolution and visualization of DNA by Agarose Gel Electrophoresis Theory SEC1: Microbial Diagnosis in Health Clinics Special classes for doubt clearance Question Answer session	2 2 5 2	Theory CC12: Immunology Unit 8: Immunological Techniques DSE2: Instrumentation and Biotechniques Unit 5 Centrifugation Special Classes Practical DSE2: Instrumentation and Biotechniques Demonstration of density gradient centrifugation with the help of pichans Practice Classes	2 6 2 2 2
Jan	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	Theory CC4: Virology Unit 1: Nature & Properties of Viruses Practical CC4: Virology Study of TMV infection on Tomato plant induced by TMV infected tobacco extract	6 4	Theory CC8: Microbial Genetics Unit 2: Plasmids CC9: Environmental Microbiology Unit 3: Biogeochemical Cycling Practical CC8: Microbial Genetics Preparation of master plates and replica Plates Study of the effect of physical (UV) mutagens on bacterial cells	8 2 4 2	Theory CC13: Medical Microbiology Unit 4: Viral diseases DSE4: Bio-safety and Intellectual Property Rights Unit 2 : Biosafety Guidelines Practical CC13: Medical Microbiology Study of bacterial flora of skin by swab method	8 6 2

			Theory SEC2: Food fermentation Techniques Unit 1 Fermented Foods,	2	DSE3: Advances in Microbiology Demonstration of PCR amplification of metagenomic DNA using universal 16S ribosomal gene primers	3
Feb	Theory CC3: Biochemistry Unit 3: Lipids Practical CC3: Biochemistry Qualitative/Quantitative assay of amylase	8 4	Theory CC9: Environmental Microbiology Unit 3: Biogeochemical Cycling CC10: Food and Dairy Microbiology Unit 1: Foods as a substrate for microorganisms Practical CC9: Environmental Microbiology Isolation of microbes (bacteria & fungi) from rhizosphere and rhizoplane Theory SEC2: Food fermentation Techniques Unit 1 Fermented Foods.	6 6 4 2	Theory CC14: Recombinant DNA Technology Unit 1: Introduction to Genetic Engineering DSE4: Bio-safety and Intellectual Property Rights Unit 5: Patent Practical DSE3: Demonstration of PCR amplification of metagenomic DNA using universal 16S ribosomal gene primers CC14: Designing of primers for DNA amplification	4 4 3 4
	Theory CC3: Biochemistry Unit 4: Proteins Practical CC3: Biochemistry Study the effect of temperature and pH on enzyme activity (amylase)	8 4	Theory CC10: Food and Dairy Microbiology Unit 4: Fermented foods (Probiotic) CC8: Microbial Genetics Unit 3: Mechanisms of Genetic Exchange Practical CC10: Food and Dairy Microbiology MBRT of milk samples Isolation of spoilage microorganisms from spoiled carrot Theory SEC2: Food fermentation Techniques Unit 6 Probiotic Foods.	2 6 4 4 2	Theory DSE4: Bio-safety and Intellectual Property Rights Unit 5: Patent CC14: Recombinant DNA Technology Unit4: DNA Amplification and DNA sequencing Practical CC14: Interpretation of sequencing gel electrophoretograms DSE4: Bio-safety and Intellectual Property Rights Filing primary applications for patents	4 4 4
Apr	Theory CC3: Biochemistry Unit 4: Proteins CC4: Virology Unit 4: Viruses & Cancer Practical CC4: Virology Report writing, Educational tour to Institute/Industry	2 6 4	Theory CC8: Microbial Genetics Unit 3: Mechanisms of Genetic Exchange CC9: Environmental Microbiology Unit 5: Microbial Bioremediation Practical CC9: Environmental Microbiology Analysis of soil - pH, moisture content, water holding capacity Theory SEC2: Food fermentation Techniques Unit 6 Probiotic Foods Unit 5 Fermented Meat and Fish.	4 4 6 3 3	Theory CC14: Recombinant DNA Technology Unit4: DNA Amplification and DNA sequencing CC13: Medical Microbiology Unit 5: Protozoan diseases DSE3: Unit 3 Molecular Basis of Host-Microbe Interactions Practical CC13: Medical Microbiology Perform antibacterial sensitivity by Kirby-Bauer method DSE4: Bio-safety and Intellectual Property Rights Study of steps of a patenting process	4 6 4 2 4

May	Theory CC4: Virology Unit 6: Applications of Virology Practical Isolation and enumeration of bacteriophages (PFU) from water/sewage sample using double agar layer technique	6 4	Theory CC5: Environmental Microbiology Unit 5: Microbial Bioremediation CC10: Food and Dairy Microbiology Unit 7: Rapid detection methods of food borne pathogens in foods Practical CC9: Environmental Microbiology Isolation of <i>Rhizobium</i> from root nodules CC10: Microbial Genetics Demonstration of Bacterial Conjugation through audiovisual teaching aids Theory SEC2: Food fermentation Techniques Unit 5 Fermented Meat and Fish	4 6 2 2 3	Theory DSE1: Unit 3 Molecular Basis of Host-Microbe Interactions CC14: Recombinant DNA Technology Unit 5: Applications of Recombinant DNA Technology Practical CC13: Medical Microbiology Identify bacteria (<i>E. coli</i> , <i>Staphylococcus</i> , <i>Bacillus</i>) using laboratory strains on the basis of cultural, morphological and biochemical characteristics: IMViC DSE4: Bio-safety and Intellectual Property Rights A case study	8 2 4 6
	Theory CC3: Biochemistry & CC4: Virology Special class and Doubt Clearance Practical Practice Classes	4 4	Theory CC10: Food and Dairy Microbiology Unit 7: Rapid detection methods of food borne pathogens in foods Special class and Doubt Clearance Practical CC10: Food and Dairy Microbiology Demonstration of cultivation of edible mushroom (<i>Pleurotus</i> sp) Practice Classes Theory SEC2: Food fermentation Techniques Special classes	2 4 2 2 2	Theory CC14: Recombinant DNA Technology Unit 5: Applications of Recombinant DNA Technology Special classes, Question answer session, Doubt Clearance Practical CC13: Medical Microbiology Study using permanent mounts: stages of malarial parasite in RBCs Practice Classes	6 2 2 2
June						

Aman Nath Chattopadhyay

Signature of the Teacher
 Department of Microbiology
 Suri Vidyasagar College

DEPARTMENT OF ARABIC

TEACHING PLAN OF SYED BASIR AL HILAL
ARABIC (Honours) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	CC-1: History of Arabic literature (from pre Islamic to Islamic period) gram. & trans. Unit-A.2 Al-Quran, Al-Hadith	3	CC-5: POETRY (Pre-Islamic, Islamic & Umayya Period) Unit 1: Muallaqa Imrul Qays	2	CC-11: PROSE (Modern Period Unit -1) Awalul Abd Bi Yasrab	2
	CC-2: Arabic Prose (Islamic & medieval) Unit-2 Sura Bani Israail	2	CC-6: History of Arabic literature (Spain) gram. & trans. Unit: A(z) Andalusia Period	3	CC-12: POETRY (Modern Period Unit -3) Safal Harb	2
	CE-1: History of Arabic literature (from pre Islamic to Islamic period) Unit-B: Islamic Period & Umayyad Period. 1) Al-Quran	2	GE-3: Prose (Islamic, Medieval & Modern Period) Unit-3 Salman Al-farsi	2	DSE-1 (History Of Islam, Rhetoric, Prosody & Philology) Tashbih & Its Division, Majaz Mursal & Aql	2
Aug	CC-1: History of Arabic literature (from pre Islamic to Islamic period) Gram. & trans. Unit-A.2 Al-Khansa, Hassan Bin Thabit	3	CC-5: POETRY (Pre-Islamic, Islamic & Umayya Period) Unit 1: Muallaqa Imrul Qays	2	CC-11: PROSE (Modern Period Unit -1) Unit 1: Awalul Abd Bi Yasrab	2
	CC-2: Arabic Prose (Islamic & medieval) Unit-2 Sura Bani Israail	5	CC-6: History of Arabic literature (Spain) gram. & trans. Unit: A(a) Andalusia Period	3	CC-12: POETRY (Modern Period Unit -1) Al-hamshyatan Nabahiyah	2
	CE-1: History of Arabic literature (from pre Islamic to Islamic period) Unit-B: Islamic Period & Umayyad Period. 2) Al-Hadith	2	GE-3: Prose (Islamic, Medieval & Modern Period) Unit-3 Salman Al-farsi	2	DSE-1: (History Of Islam, Rhetoric, Prosody & Philology) Its'arah & Its Division, Kinayah	2
Sept	CC-1: History of Arabic literature (from pre Islamic to Islamic period) Gram. & trans. Unit-A.2 Umar Bin Abi Rabi'ah, Al-Akhtal	3	CC-5: POETRY (Pre-Islamic, Islamic & Umayya Period) Unit 1: Muallaqa Labid Bin Rabeya	2	CC-11: PROSE (Modern Period Unit -1) Awalul Abd Bi Yasrab	2
			CC-6: History of Arabic literature (Spain) gram. & trans.	3	CC-12: POETRY (Modern Period Unit -1) Al hamshyatan	2

	<p>CC-2: Arabic Prose (Islamic & medieval) Unit- 5 Salman Al-farsi</p> <p>GE-1: History of Arabic literature (from pre-Islamic to Islamic period) Unit- B: Islamic Period & Umayyad Period. 3) Al-Khansa</p>	<p>3</p> <p>2</p>	<p>Unit: A(b) Ibn Abde Rabbih, Ibn Khaldun</p> <p>GE-3: Prose (Islamic, Medieval & Modern Period) Unit- 4: Ashab-e-Bil</p>	<p>2</p>	<p>Nababiyah</p> <p>DSE-1: (History Of Islam, Rhetoric, Prosody & Philology) Jinas & Tawriyah</p> <p>DSE-1A (Rhetoric, Prosody) Jinas & Tawriyah</p>	<p>2</p> <p>2</p>
Oct	<p>CC-1: History of Arabic literature (from pre-Islamic to Islamic period) Gram. & trans. Unit-A.2 Al-Farouaq</p> <p>CC-2: Arabic Prose (Islamic & medieval) Unit- 5 Salman Al-farsi</p> <p>GE-1: History of Arabic literature (from pre-Islamic to Islamic period) Unit- B: (Islamic Period & Umayyad Period) 4) Hassan Bin Thabit</p>	<p>3</p> <p>2</p> <p>2</p>	<p>CC-5: POETRY (Pre-Islamic, Islamic & Umayyad Period) Unit- 1: Muallaqa Labid Bin Rabeya</p> <p>CC-6: (History of Arabic literature (Spain) gram. & trans) Unit: A(b) Ibn Abde Rabbih, Ibn Khaldun</p> <p>GE-3: Prose (Islamic, Medieval & Modern Period) Unit- 4: Ashab-e-Bil</p>	<p>3</p> <p>3</p> <p>2</p>	<p>CC-11: PROSE (Modern Period Unit -1) Hinan-E-Ab</p> <p>DSE-1: (History Of Islam, Rhetoric, Prosody & Philology) Insh, Eijaz</p> <p>DSE-1A (Rhetoric, Prosody) Ilm Arroz, Sabab, Wataf, Fasilah</p>	<p>3</p> <p>3</p> <p>2</p>
Nov	<p>CC-1: History of Arabic literature (From Pre-Islamic To Islamic Period) Gram. & trans. Unit-A.2 Jarir</p> <p>CC-2: Arabic Prose (Islamic & medieval) Unit- 5 Salman Al-farsi</p> <p>GE-1: History of Arabic literature (From Pre-Islamic To Islamic Period) Unit- B: Islamic Period & Umayyad Period. 5) Al-Akhtal</p>	<p>2</p> <p>2</p> <p>2</p>	<p>CC-5: POETRY (Pre-Islamic, Islamic & Umayyad Period) Unit- 1: Muallaqa Inzal Qayes Special class</p> <p>CC-6: History of Arabic literature (Spain) gram. & trans. Unit: A(b) Ibnul Khatib</p> <p>GE-3: Prose (Islamic, Medieval & Modern Period) Unit- 3: Salman Al-farsi Special class</p>	<p>3</p> <p>2</p> <p>2</p>	<p>CC-11: PROSE (Modern Period Unit -1) Hinan-E-Ab</p> <p>DSE-1: (History Of Islam, Rhetoric, Prosody & Philology) Ibn Arroz, Muqata'a, Arkan, Zihar</p> <p>DSE-1A (Rhetoric, Prosody) Arkan, Bahre Kamil</p>	<p>2</p> <p>4</p> <p>2</p>

Dec	CC-1: History of Arabic Literature (From Pre Islamic To Islamic Period) Gram. & trans. Unit-A-2: Special Class	2	CC-5: POETRY (Pre-Islamic, Islamic & Umayya Period) Unit 1: Muallaqa Labid Bin Rabeya Special class	3	CC-11: PROSE (Modern Period Unit -1) Awlad Abd Bi Ynsrah Special class	1
	CC-2: Arabic Prose (Islamic & medieval) Unit-5 Salman Al-farsi	1	CC-6: History of Arabic literature (Spain) gram. & trans. Unit: A(c) Ibn Zaidun, Ibn Haal	1	CC-12: POETRY (Modern Period Unit -1) Special class	1
	GE-1: History of Arabic literature (From Pre Islamic To Islamic Period) Unit- B: Islamic Period & Umayyad Period. 6) Al-Farazdaq, Jarir	2	GE-3: Prose (Islamic, Medieval & Modern Period) Unit-4 Ashab-e-Bil Special class	2	DSE-1: (History Of Islam, Rhetoric, Prosody & Philology) Illat, Bahr, Taqle	2
Sem-II (H)			Sem-IV (H)		Sem-VI (H)	
Jan	CC-3: History of Arabic literature (Abbasid period & Indian Arabic lit.) Gram. & trans. Unit- A,c Indian Arabic Scholars. Gulam Ali Azad	2	CC-8: POETRY (Abbasid & Fatimid) Unit 1: Ibn Rumi	2	CC-13: PROSE (Modern Period Unit -2) Ad-Dafin As-Sagir	2
	CC-4: Arabic Prose (Islamic & medieval) Unit-1 Khutbatu Umar III Iltam	1	CC-9: History of Arabic literature (North & South America/Adabul Mahjar) Gram. And Trans. Unit: 1(a) Rabita Qalamiya, Jibran Khalil Jibran	3	CC-14: POETRY (Modern Period Unit -2) Sakran	2
	GE-2: History of Arabic literature (Abbasid period) gram. & trans. Unit: A(2) Abbasid Period(poetry) 1) Bashshar Bin Bard	2	GE-4: Poetry (Islamic, Medieval & Modern Period) Unit-2: Walabu Fil Waz	2	DSE-3:(Outline History Of Modern Arab World) Unit 1: Kuwait	2
					SEC-3:(Specialy Literay Feature Of Modern Arabic Literature in Exile) History Of Mahjary Literature	2
Feb	CC-3: History of Arabic Literature (Abbasid period & Indian Arabic lit.) Gram. & trans. Unit-1: Islamic Period & Umayyad Period Shah Waliullah	2	CC-8: POETRY (Abbasid & Fatimid) Unit 1: Ibn Farid	2	CC-13: PROSE (Modern Period Unit -2) Ad-Dafin As-Sagir	2
			CC-9: History of Arabic literature (North & South America/Adabul Mahjar) Gram. And Trans. Unit: 1(a) Mikhal Nuaimah & Ilysa Abu	3	CC-14: POETRY (Modern Period Unit -2) Usfurul Jannat	2
					DSE-3:(Outline History Of Modern Arab	

	<p>CC-4: Arabic Prose (Islamic & medieval) Unit-2 Munamiratu Qur'ash</p> <p>GE-2: History of Arabic literature (Abbasid period) gram. & trans Unit-A(2): Abbasid Period(poetry) 2) Abu Nuwas</p>	1	Mail		<p>Ward6 Unit 2: Jordan</p> <p>SEC-3: (Specialy Literay Feature Of Modern Arabic Literature in Exile) Rabita Qalamiya, Jibran Khalil Jibran</p>	2
Mar	<p>CC-3: History of Arabic literature (Abbasid period & Indian Arabic lit.) Gram. & trans.</p> <p>Unit- A.c Indian Arabic Scholars Abdul Hal Husaini</p> <p>CC-4: Arabic Prose (Islamic & medieval) Unit-1 Special class</p> <p>GE-2: History of Arabic literature (Abbasid period) gram. & trans Unit- A(2): Abbasid Period(poetry) 1) Abul Atahya</p>	3	<p>CC-8: POETRY (Abbasid & Fatimid) Unit 1: Ibnu Farid</p> <p>CC-9: History of Arabic literature (North & South America/Adabul Mahjar) Gram. And Trans. Unit: 1(b) Al- asabatul Undulsiya , Al- khouri</p> <p>GE-4: Poetry (Islamic, Medieval & Modern Period) Unit-2: Ala Fi Sabill Majd</p>	2	<p>CC-13: PROSE (Modern Period Unit -2) Bainal Amr Wal Yaum</p> <p>CC-14: POETRY (Modern Period Unit -2) Unit 1: Sakran Special class</p> <p>DSE-3: (Outline History Of Modern Arab World) Unit 3: UAE</p> <p>SEC-3: (Specialy Literay Feature Of Modern Arabic Literature in Exile) Mikhail Nuzimah & Diya Abu Madi</p>	2
Apr	<p>CC-3: History of Arabic literature (Abbasid period & Indian Arabic lit.) Gram. & trans.</p> <p>Unit- A.c Indian Arabic Scholars Abul Hasan Ali- nadvi</p> <p>CC-4: Arabic Prose (Islamic & medieval) Unit-2 Special class</p> <p>GE-2: History of</p>	3	<p>CC-8: POETRY (Abbasid & Fatimid) (North & South America/Adabul Mahjar) Gram. And Trans. Unit 1: Ibnu Farid</p> <p>CC-9: History of Arabic literature Unit: 1(b) Al- asabatul Undulsiya , Fauzi Maluf</p> <p>GE-4: Poetry (Islamic, Medieval & Modern Period) Unit-2: Ala Fi Sabill Majd</p>	2	<p>CC-13: PROSE (Modern Period Unit -2) Bainal Amr Wal Yaum</p> <p>CC-14: POETRY (Modern Period Unit -2) Usturul Jannat Special class</p> <p>DSE-3: (Outline History Of Modern Arab World) Unit 4: Bahrain</p> <p>SEC-3: (Specialy Literay Feature Of Modern Arabic Literature in Exile) Al- asabatul</p>	2

	<p>Arabic literature(Abbasid period) gram. & trans Unit- A(2): Abbasid Period(poetry) 4) Abu Tammam</p>	2			Undulsiya, Mistaf Ma'louf	
May	<p>CC-3: History of Arabic literature (Abbasid period & Indian Arabic lit.) Gram. & trans. Unit- A.c Indian Arabic Scholars Nawab Siddiq Husan</p>	3	<p>CC-8: POETRY (Abbasid & Fatimid) Unit 1: Ibnul Farid Special class</p>	2	<p>CC-13: PROSE (Modern Period Unit -2) Madaniyatul Islamiyah</p>	3
	<p>GE-2: History of Arabic literature(Abbasid period) gram. & trans Unit- A(2): Abbasid Period(poetry) 5) Al-Mutanabbi</p>	3	<p>CC-9: History of Arabic literature (North & South America/Adabul Mahjar) Gram. And Trans. Unit: 1(b) Special class</p>	3	<p>DSE-3: (Outline History Of Modern Arab World) Unit 5: Lebanon (Specialy Literay Feature Of Modern Arabic Literature in Exile) Al-Ikhouri, Ilyas Farhat</p>	2
			<p>GE-4: Poetry (Islamic, Medieval & Modern Period) Special class</p>			
June	<p>CC-3: History of Arabic literature (Abbasid period & Indian Arabic lit.) Gram. & trans. Unit- A.c Indian Arabic Scholars Al-Masumi</p>	3	<p>CC-8: POETRY (Abbasid & Fatimid) Unit 1: Ibnur Rum Special class</p>	2	<p>CC-13: PROSE (Modern Period Unit -2) Madaniyatul Islamiyah</p>	2
	<p>GE-2: History of Arabic literature(Abbasid period) gram. & trans Unit- A(2): Abbasid Period(poetry) 6) Al-Marri</p>	2	<p>CC-9: History of Arabic literature (North & South America/Adabul Mahjar) Gram. And Trans. Unit: 1(b) Special class</p>	3	<p>DSE-3:(Outline History Of Modern Arab World) Special class SEC-3:(Specialy Literay Feature Of Modern Arabic Literature in Exile) Special class</p>	2
			<p>GE-4: Poetry (Islamic, Medieval & Modern Period) Special class</p>			

Spd Basir Ot Hilal
Department of Arabic,
Sri Vidyasagar College

DEPARTMENT OF COMMERCE

TEACHING PLAN OF B. Com. (General) (July 2021 – June 2022 Odd and Even Semester)

Month	Sem-I (H)	Units	Teachers Name	No. of Lecture	Sem-III (H)	Units	Teachers Name	No. of Lecture	Sem-V (H)	Units	Teachers Name	No. of Lecture	
Jul	CC-1:FINANCIAL ACCOUNTING-I (1.2 CG)	Unit1	BK	10	CC-5: COST ACCOUNTING- II (3.1 CG)	Unit1	KD	10	CC-9: TAXATION-I (5.1 CG) Unit 1	Unit1	MLT	10	
		Unit-2	KD	10		Unit-2	MLT	10		Unit-2	KD	10	
		Unit-3	MLT	10		Unit-3	BK	10		Unit-3	SPD	10	
		Unit1	SPD	15		CC-6: FINANCIAL ACCOUNTING- II (3.2 CG)	Unit1	MLT	10	CC-10:AUDITING (5.2 CG) DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CG) OR DSE-1: FUNDAMENTALS OF MARKETING MANAGEMENT (5.3.2 CG) DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CG) OR DSE-2: FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (5.4.2 CG)	Unit1	SPD	10
							Unit-2	KD	10		Unit1	MLT	10
							Unit1	SPD	10		Unit-2	KD	10
	CC-2:BUSINESS MANAGEMENT (1.3 CG)	Unit1	SPD	15	SEC-1:E-COMMERCE (3.4 CG)	Unit1	SPD	10	Unit1	BH	15		
						Unit-2	BH	12	Unit1	BK	15		
						Unit1	SPD	10	Unit1	SPD	10		

Aug	CC-1:FINANCIAL ACCOUNTING-I (1.2 CG)	Unit1	BK	10	CC-5: COST ACCOUNTING- II (3.1 CG)	Unit1	KD	10	CC-9: TAXATION-I (5.1 CG) Unit 1	Unit1	MLT	10
		Unit-2	KD	10		Unit-2	MLT	10		Unit-2	KD	10
		Unit-3	MLT	10		Unit-3	BK	10		Unit-3	SPD	10
	CC-2:BUSINESS MANAGEMENT (1.3 CG)	Unit1	SPD	10	CC-6: FINANCIAL ACCOUNTING- II (3.2 CG)	Unit1	MLT	8	CC-10:AUDITING (5.2 CG)	Unit-2	SPD	10
						Unit-2	KD	10		Unit-2	SPD	10
						Unit2	SPD	10		DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CG)	Unit-3	MLT
					SEC-1:E-COMMERCE (3.4 CG)	Unit3	BH	10	OR	Unit-4	KD	10
									DSE-1: FUNDAMENTALS OF MARKETING MANAGEMENT (5.3.2 CG)	Unit-2	BH	15
									DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CG)	Unit-2	BK	15
									OR			
									DSE-2: FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (5.4.2 CG)	Unit-2	SPD	10

Sept	CC-1:FINANCIAL ACCOUNTING-I (1.2 CG)	Unit1	BK	10	CC-5: COST ACCOUNTING- II (3.1 CG)	Unit-4	KD	10	CC-9: TAXATION-I (5.1 CG) Unit 1	Unit-4	MLT	10		
		Unit-2	KD	10		Unit-2	MLT	10		Unit-5	KD	10		
		Unit-3	MLT	10		Unit-3	BK	10		Unit-3	SPD	10		
	CC-2:BUSINESS MANAGEMENT (1.3 CG)	Unit-2	SPD	10	CC-6: FINANCIAL ACCOUNTING- II (3.2 CG)	Unit3	MLT	10	CC-10:AUDITING (5.2 CG)	Unit-3	SPD	10		
						Unit-4	KD	10		DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CG) OR DSE-1: FUNDAMENTALS OF MARKETING MANAGEMENT (5.3.2 CG) DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CG) OR DSE-2: FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (5.4.2 CG)	Unit-5	MLT	10	
		Unit-4	SPD	10	Unit-4	KD	10	Unit-4	KD		10			
					Unit-5	BH	10	Unit-3	BH		15			
		Unit-3	SPD	10	SEC-1:E-COMMERCE (3.4 CG) Unit 3: Digital Payment	Unit-3	MLT	10	Unit-3		SPD	10	Unit-3	BK
										Unit-3				

Oct	CC-1:FINANCIAL ACCOUNTING-I (1.2 CG)	Unit1	BK	10	CC-5: COST ACCOUNTING- II (3.1 CG)	Unit-4	KD	8	CC-9: TAXATION-I (5.1 CG) Unit 1	Unit-4	MLT	7
		Unit-2	KD	10		Unit-5	MLT	10		Unit-5	KD	7
		Unit-3	MLT	10		Unit-3	BK	7		Unit-3	SPD	7
	CC-2:BUSINESS MANAGEMENT (1.3 CG)	Unit-3	SPD	10	CC-6: FINANCIAL ACCOUNTING- II (3.2 CG)	Unit-5	MLT	7	CC-10:AUDITING (5.2 CG)	Unit-4	SPD	10
						Unit-4	KD	10		Unit-5	MLT	8
		SEC-1:E-COMMERCE (3.4 CG)	Unit-4	SPD	10	Unit-4	KD	7	DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CG)	Unit-4	KD	7
			Unit-5	BH	10	Unit-5	BH	10	OR			
									DSE-1: FUNDAMENTALS OF MARKETING MANAGEMENT (5.3.2 CG)	Unit-4	BH	10
									DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CG)	Unit-4	BK	7
									OR			
							DSE-2: FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (5.4.2 CG)	Unit-4	SPD	10		
Nov	CC-1:FINANCIAL ACCOUNTING-I (1.2 CG)	Unit-4	BK	10	CC-5: COST ACCOUNTING- II (3.1 CG)	Unit-4	KD	7	CC-9: TAXATION-I (5.1 CG) Unit 1	Unit-4	MLT	7
		Unit-5	KD	16		Unit-5	MLT	10		Unit-5	KD	7

	CC-2:BUSINESS MANAGEMENT (1.3 CG) Unit 4: Staffing and Leading	Unit-3 Unit-4	MLT SPD	10 12	CC-6: FINANCIAL ACCOUNTING- II (3.2 CG) SEC-1:E-COMMERCE (3.4 CG)	Unit-3 Unit-5 Unit-4 Unit-4 Unit-5	BK MLT KD SPD BH	6 8 10 10 10	CC-10:AUDITING (5.2 CG) DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CG) OR DSE-1: FUNDAMENTALS OF MARKETING MANAGEMENT (5.3.2 CG) DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CG) OR DSE-2: FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT (5.4.2 CG)	Unit-3 Unit-5 Unit-5 Unit-4 Unit-5 Unit-5 Unit-5	SPD SPD MLT KD BH BK SPD	7 10 8 7 10 7 10
Dec	CC-1:FINANCIAL ACCOUNTING-I (1.2 CG)	Unit-4 Unit-5 Revision	BK KD MLT	10 10 5	CC-5: COST ACCOUNTING- II (3.1 CG)	Revision Revision Revision	KD MLT BK	8 5 7	CC-9: TAXATION-I (5.1 CG) Unit 1 CC-10:AUDITING	Revision Revision Revision Unit-5	MLT KD SPD SPD	6 7 7 10

	ACCOUNTING-I (2.4 CG)				(4.3 CG) SEC-3: ENTREPRENEURSHIP (4.4 CG)	Unit-1	BK	7	DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CG) OR DSE-3: TAXATION-II (6.3.2 CG) DSE-4: INTERNATIONAL BUSINESS(6.4.1 CG) OR DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT (6.4.2 CG)	Unit-1 Unit-2 Unit-1 Unit-2 Unit-1 Unit-2	KD BK MLT KD SPD MLT MLT KD	10 10 10 10 15 10 10 13
												10
Feb	GE-1: PRINCIPLES OF ECONOMICS (2.2 CG) CC-3: BUSINESS LAW (2.3 CG) CC-4: COST ACCOUNTING-I (2.4 CG)	Unit-2 Unit-2 Unit-1 Unit-2	BK SPD KD MLT	10 10 10 13	CC-7:FINANCIAL ACCOUNTING-III (4.1 CG) CC-8:CORPORATE LAWS (4.2 CG) SEC-2: COMPUTER APPLICATIONS IN BUSINESS (PRACTICAL) (4.3 CG) SEC-3: ENTREPRENEURSHIP (4.4 CG)	Unit-1 Unit-2 Unit-2 Unit-2 Unit-2	KD MLT SPD BH BK	10 10 13 10 10	SEC-4: PERSONAL SELLING AND SALESMANSHIP (6.1 CG) GE-2: BUSINESS MATHEMATICS AND STATISTICS (6.2 CG) DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CG) OR DSE-3: TAXATION-	Unit-2 Unit-3 Unit-2 Unit-3 Unit-2 Unit-3	BH BK BH KD BK MLT	10 12 10 10 10 10

									OR DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT (6.4.2 CG)	Unit-3 Unit-4	MLT KD	10 13
												10
Apr	GE-1: PRINCIPLES OF ECONOMICS (2.2 CG)	Unit-4	BK	10	CC-7:FINANCIAL ACCOUNTING-III (4.1 CG)	Unit-5 Unit-4	KD MLT	10 10	SEC-4: PERSONAL SELLING AND SALESMANSHIP (6.1 CG)	Unit-4	BH	10
	CC-3: BUSINESS LAW (2.3 CG)	Unit-4	SPD	10	CC-8:CORPORATE LAWS (4.2 CG)	Unit-4	SPD	13	GE-2: BUSINESS MATHEMATICS AND STATISTICS (6.2 CG)	Unit-5 Unit-4	BK BH	12 10
	CC-4: COST ACCOUNTING-I (2.4 CG)	Unit-5 Unit-4	KD MLT	10 10	SEC-2: COMPUTER APPLICATIONS IN BUSINESS (PRACTICAL) (4.3 CG)	Unit-4	BH	10	DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CG)	Unit-5 Unit-4	KD BK	10 10
					SEC-3: ENTREPRENEURSHIP (4.4 CG)	Unit-4	BK	10	OR DSE-3: TAXATION-II (6.3.2 CG)	Unit-5 Unit-4	MLT KD	10 10
									DSE-4: INTERNATIONAL BUSINESS(6.4.1 CG)	Unit-4 Unit-5	SPD MLT	15 10
									OR DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT (6.4.2 CG)	Unit-5 Unit-4	MLT KD	10 13

June	GE-1: PRINCIPLES OF ECONOMICS (2.2 CG)	Revision	BK	5	CC-7:FINANCIAL ACCOUNTING-III (4.1 CG)	Revision Revision	KD MLT	7 7	SEC-4: PERSONAL SELLING AND SALESMANSHIP (6.1 CG)	Revision	BH	7
	CC-3: BUSINESS LAW (2.3 CG) Unit 5: The Negotiable Instruments Act 1881	Revision	SPD	7	CC-8:CORPORATE LAWS (4.2 CG)	Revision	SPD	10	GE-2: BUSINESS MATHEMATICS AND STATISTICS (6.2 CG)	Revision Revision	BK BH	8 7
	CC-4: COST ACCOUNTING-I (2.4 CG)	Revision Revision	KD MLT	5 5	SEC-2: COMPUTER APPLICATIONS IN BUSINESS (PRACTICAL) (4.3 CG)	Revision	BH	8	DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CG)	Revision Revision	KD BK	7 6
					SEC-3: ENTREPRENEURSHIP (4.4 CG)	Revision	BK	7	OR DSE-3: TAXATION-II (6.3.2 CG)	Revision Revision	MLT KD	7 8
									DSE-4: INTERNATIONAL BUSINESS(6.4.1 CG)	Revision Revision	SPD MLT	7 6
									OR DSE-4: FUNDAMENTALS OF FINANCIAL MANAGEMENT (6.4.2 CG)	Revision Revision	MLT KD	8 7

Prepared by

A handwritten signature in blue ink, appearing to read 'Surya Prakash Das', is positioned above the printed text.

Surya Prakash Das
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DEPARTMENT OF COMMERCE

TEACHING PLAN OF B.com (Honours) (July 2021 – June 2022 Odd and Even Semester)

Month	Sem-I (H)	Units	Teachers Name	No. of Lecture	Sem-III (H)	Units	Teachers Name	No. of Lecture	Sem-V (H)	Units	Teachers Name	No. of Lecture	
Jul	CC1: FINANCIAL ACCOUNTING-I (1.2 CH)	Unit1	BK	6	CC-5: COMPUTER APPLICATIONS IN BUSINESS (3.1 CH)	Unit1	BH	10	CC-11: TAXATION-I (5.1 CH)	Unit1	KD	10	
		Unit-2	MLT	6		Unit2	MLT	10		Unit2	MLT	10	
		Unit-3	KD	6		Unit-1	MLT	5	Unit-1	SPD	10		
	CC-2: BUSINESS MANAGEMENT(1.3 CH)	Unit-1	Unit-1	SPD	10	CC-6: COST ACCOUNTING-II (3.2 CH)	Unit2	KD	10	CC-12: AUDITING (5.2 CH)	Unit-1	SPD	10
							Unit-1	KD	10				
	GE-1: BUSINESS MATHEMATICS(1.4 CH)	Unit-1	Unit-1	BH	10	CC-7: FINANCIAL ACCOUNTING- II (3.3 CH)	Unit-1	KD	10				
							Unit-2	MLT	10	Unit-2	KD	10	
	SEC-1 E-COMMERCE (3.4 CH)	Unit-1	Unit-2	BK	10	GE-3: PRINCIPLES OF ECONOMICS (3.5 CH)	Unit-1	SPD	6				OR
							Unit-2	BH	6				
							Unit-1	SPD	6	DSE-1: FUNDAMENTALS OF BANKING AND INSURANCE (5.3.2 CH)	Unit-1	BK	12
							Unit-2	BH	6				
							Unit-1	SPD	12				
DSE-2: INDIAN FINANCIAL SYSTEM (5.4.1 CH)	Unit-1	Unit-2	BK	12	OR	Unit-1	MLT	8	DSE-2: ADVERTISING (5.4.2 CH)	Unit1	BH	10	
													Unit-1
Unit-2	MLT	8											

Aug	CC1:FINANCIAL ACCOUNTING-I	Unit-2	MLT	6	CC-5: COMPUTER APPLICATIONS IN BUSINESS (3.1 CH)	Unit-2	BH	5	CC-11: TAXATION-I (5.1 CH)	Unit-1	KD	6	
		Unit-1	BK	6		Unit-2	MLT			5			
		Unit-3	KD	7		Unit-1	MLT			CC-12: AUDITING (5.2 CH)	Unit-2	SPD	15
	CC-2:BUSINESS MANAGEMENT(1.3 CH)	Unit-2	SPD	10	CC-6: COST ACCOUNTING-II (3.2 CH)	Unit-1	KD	5	DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CH)		Unit-2	KD	10
		Unit-1	MLT	10		Unit-2	MLT				10	Unit-1	MLT
		Unit-3	BK	10		Unit-1	KD			10	Unit-3	BK	10
GE-1:BUSINESS MATHEMATICS(1.4 CH)	Unit-2	BK	10	SEC-1 E-COMMERCE (3.4 CH)	Unit-1	SPD	10	DSE-1: FUNDAMENTALS OF BANKING AND INSURANCE (5.3.2 CH)	Unit-2	MLT	8		
	Unit-1	BH	10		Unit-2	BH	7		Unit-3	BK	10		
	Unit-2	SPD	10		Unit-2	SPD	10		Unit-3	BK	10		
Sept	CC1:FINANCIAL ACCOUNTING-I	Unit-3	KD	5	CC-5: COMPUTER APPLICATIONS IN BUSINESS (3.1 CH)	Unit-3	BH	10	CC-11: TAXATION-I (5.1 CH)	Unit-3	KD	10	
		Unit-4	BK	5		Unit-3	KD			10	Unit-4	MLT	10
		Unit-5	MLT	10		Unit-4	MLT			10	Unit-3	SPD	10
	CC-2:BUSINESS MANAGEMENT(1.3 CH)	Unit-3	SPD	10	CC-6: COST ACCOUNTING-II (3.2 CH)	Unit-3	KD	10	DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CH)	Unit-5	KD	12	
		Unit-4	MLT	10		Unit-4	MLT			10	Unit-4	MLT	10
		Unit-5	BK	10		Unit-4	MLT			10	Unit-3	BK	8
GE-1:BUSINESS MATHEMATICS(1.4 CH)	Unit-3	BK	10	SEC-1 E-COMMERCE (3.4 CH)	Unit-3	SPD	10	DSE-1: FUNDAMENTALS OF BANKING AND INSURANCE (5.3.2 CH)	Unit-3	BK	10		
	Unit-4	BH	10		Unit-4	BH			10				

					GE-3: PRINCIPLES OF ECONOMICS (3.5 CH)	Unit-3	SPD	10	DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CH) OR DSE-2: ADVERTISING (5.4.2 CH)	Unit-3 Unit-4 Unit-4 Unit-3	BK MLT SPD BH	13 10 7 10
Oct	CC1:FINANCIAL ACCOUNTING-I	Unit-5 Unit-4 Revision	MLT BK KD	10 10 5	CC-5: COMPUTER APPLICATIONS IN BUSINESS (3.1 CH)	Unit-4	BH	10	CC-11: TAXATION-I (5.1 CH)	Unit-4 Unit-3	MLT KD	10 10
	CC-2:BUSINESS MANAGEMENT(1.3 CH)	Unit-3 Unit-4	SPD BH	10 10	CC-6: COST ACCOUNTING-II (3.2 CH)	Unit-5 Unit-4	KD MLT	10 10	CC-12: AUDITING (5.2 CH) DSE-1: MANAGEMENT ACCOUNTING (5.3.1 CH)	Unit-4 Unit-4 Unit-5 Unit-3	SPD MLT KD BK	13 10 10 8
	GE-1:BUSINESS MATHEMATICS(1.4 CH)	Unit-4 Unit-5A	BH BK	10 10	CC-7: FINANCIAL ACCOUNTING- II (3.3 CH)	Unit-4 Unit-5	MLT KD	7 10	DSE-1: FUNDAMENTALS OF BANKING AND INSURANCE (5.3.2 CH)	Unit-4	BK	10
					SEC-1 E-COMMERCE (3.4 CH)	Unit-3 Unit-4	SPD BH	7 7	DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CH) OR DSE-2: ADVERTISING (5.4.2 CH)	Unit-4 Unit-5	BK MLT	13 10
					GE-3: PRINCIPLES OF ECONOMICS (3.5 CH)	Unit-4	SPD	10		Unit-4 Unit-5	SPD BH	6 7

	GE-1:BUSINESS MATHEMATICS(1.4 CH)	Unit-5A Unit-5B	BH BK	5 5	SEC-1 E-COMMERCE (3.4 CH) GE-3: PRINCIPLES OF ECONOMICS (3.5 CH)	Revision Revision Revision	SPD BH SPD	8 7 8	INSURANCE (5.3.2 CH) DSE-2:INDIAN FINANCIAL SYSTEM (5.4.1 CH) OR DSE-2: ADVERTISING (5.4.2 CH)	Revision Revision Revision Revision	BK MLT BH SPD	6 5 10 10
Jan	Sem-II (H)				Sem-IV (H)				Sem-VI (H)			
	CC-3: COST ACCOUNTING-I (2.2 CH)	Unit-1 Unit2	KD MLT	10 10	GE-4: INDIAN ECONOMY (4.1 CH)	Unit-1	BK	10	CC- 13: FUNDAMENTALS OF FINANCIAL MANAGEMENT (6.1 CH)	Unit-1 Unit-2	KD MLT	10 10
	CC-4: BUSINESS LAW (2.3 CH)	Unit-1	SPD	10	CC-8:FINANCIAL ACCOUNTING-III (4.2 CH)	Unit-1 Unit-2 Unit-3	MLT KD BK	10 10 7	CC-14: TAXATION-II (6.2 CH) Unit 1	Unit-1	MLT	10
	GE-2: BUSINESS STATISTICS (2.4 CH)	Unit-1 Unit2	BH BK	10 10	CC-9:MARKETING MANAGEMENT AND HUMAN RESOURCE MANAGEMENT (4.3 CH)	Unit-1 Unit-2	BH SPD	10 10	DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CH) OR	Unit-1	BK	10
					SEC-2: ENTREPEURSHIP (4.4 CH)	Unit-1	BK	7	DSE-3: TAX PROCEDURES AND MANAGEMENT (6.3.2 CH)	Unit-1 Unit-2	KD MLT	10 10
					CC-10: CORPORATE LAWS (4.5 CH)	Unit2	SPD	13	DSE-4: INTERNATIONAL BUSINESS (6.4.1 CH)	Unit1 Unit2 Unit3	SPD MLT BK	10 10 10

	GE-2: BUSINESS STATISTICS (2.4 CH)	Unit-3 Unit-4	BK BH	10 10	CC-8:FINANCIAL ACCOUNTING-III (4.2 CH) CC-9:MARKETING MANAGEMENT AND HUMAN RESOURCE MANAGEMENT (4.3 CH) SEC-2: ENTREPEURSHIP (4.4 CH) CC-10: CORPORATE LAWS (4.5 CH)	Unit-5 Unit-4 Unit-3 Unit-3 Unit-4 Unit-3 Unit-3	KD MLT BK SPD BH BK SPD	10 10 8 10 10 10 10	DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CH) OR DSE-3: TAX PROCEDURES AND MANAGEMENT (6.3.2 CH) DSE-4: INTERNATIONAL BUSINESS (6.4.1 CH)	Unit-3 Unit-3 Unit-4 Unit-4 Unit2 Unit3	BK KD MLT SPD MLT BK	8 10 10 15 10 10
Apr	CC-3: COST ACCOUNTING-I (2.2 CH) CC-4: BUSINESS LAW (2.3 CH)	Unit-4 Unit-3 Unit-3	MLT KD SPD	8 10 10	GE-4: INDIAN ECONOMY (4.1 CH) CC-8:FINANCIAL ACCOUNTING-III (4.2 CH)	Unit-4 Unit-4 Unit-5 Unit-3	BK MLT KD BK	10 10 10 10	CC- 13: FUNDAMENTALS OF FINANCIAL MANAGEMENT (6.1 CH) CC-14: TAXATION-II (6.2 CH)	Unit-4 Unit-5 Unit-4	MLT KD MLT	10 10 15

	GE-2: BUSINESS STATISTICS (2.4 CH)	Unit-5 Unit-4	BK BH	10 10	CC-9:MARKETING MANAGEMENT AND HUMAN RESOURCE MANAGEMENT (4.3 CH) SEC-2: ENTREPEURSHIP (4.4 CH) CC-10: CORPORATE LAWS (4.5 CH)	Unit-5 Unit-4 Unit-4 Unit-4	SPD BH BK SPD	10 10 10 7	DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CH) OR DSE-3: TAX PROCEDURES AND MANAGEMENT (6.3.2 CH) DSE-4: INTERNATIONAL BUSINESS (6.4.1 CH)	Unit-4 Unit-4 Unit-5 Unit-5 Unit2 Unit3	BK MLT KD SPD MLT BK	10 7 10 10 10 10
May	CC-3: COST ACCOUNTING-I (2.2 CH) CC-4: BUSINESS LAW (2.3 CH) GE-2: BUSINESS STATISTICS (2.4 CH)	Revision Unit-5 Unit-4 Unit-5 Revision	KD MLT SPD BK BH	3 8 10 10 3	GE-4: INDIAN ECONOMY (4.1 CH) CC-8:FINANCIAL ACCOUNTING-III (4.2 CH) CC-9:MARKETING MANAGEMENT AND HUMAN RESOURCE MANAGEMENT (4.3 CH) SEC-2: ENTREPEURSHIP (4.4 CH)	Unit-4 Unit-5 Unit-4 Unit-3 Unit-5 Unit-4 Unit-5	BK KD MLT BK SPD BH BK	10 10 10 7 10 10 10	CC- 13: FUNDAMENTALS OF FINANCIAL MANAGEMENT (6.1 CH) CC-14: TAXATION-II (6.2 CH) DSE-3: FUNDAMENTALS OF INVESTMENT (6.3.1 CH) OR DSE-3: TAX PROCEDURES AND MANAGEMENT (6.3.2	Unit-4 Unit-5 Unit-5 Unit-5 Unit-4 Unit-5	MLT KD MLT BK MLT KD	5 5 8 7 7 7

					ENTREPEURSHIP (4.4 CH)	Revision	BK	5	CH)			
					CC-10: CORPORATE LAWS (4.5 CH)	Revision	SPD	8	DSE-4: INTERNATIONAL BUSINESS (6.4.1 CH)	Revision Revision Revision	SPD MLT BK	10 7 7

Prepared by



Surya Prakash Das
Assistant Professor,
Department of Commerce
Suri Vidyasagar College

Semester – II
History Honours
Paper – CC- III (Core Course)
History Of India- III (600 –1206 AD)
Name of the Teacher - Prof. Nivedita Chakraborty
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Jan., 2022

I. Studying Early Medieval India Historical Geography – Sources: texts, epigraphic and numismatic data Debates on Indian feudalism, rise of the Rajputs and the nature of the state

Feb., 2022

II. Political Structures Evolution of political structures: North India- Harsha, Sasanka, Pala, Sena and Pratiharas, Rise of Rajputs Evolution of political structures: South India –Chalukyas of Badami, Rashtrakutas, Cholas. Legitimization of kingship; brahmanas and temples; royal genealogies and rituals

March., 2022

III. Arrival of Islam in India Arab conquest of Sindh: nature and impact of the new set-up; Causes and consequences of early Turkish invasions: Mahmud of Ghazni; Shahab-ud-Din of Ghur

April., 2022

IV. Agrarian Structure and Social Change Land grants; Agricultural expansion; the feudal debate
Proliferation of castes; status of untouchables

May 2022

V. Trade and Commerce Inter-regional trade Maritime trade Forms of exchange Process of urbanization and de urbanization Merchant guilds of South India

June 2022

VI. Religious and Cultural Developments Bhakti, Tantricism, Puranic traditions; Buddhism and Jainism; Popular religious cults Islamic intellectual traditions: Al-Biruni; Al-Hujwiri Regional languages and literature Art and architecture: Evolution of regional styles

History Honours, Sem –II
Paper – CC- IV (Core Course)
Social Formation and Cultural Pattern of the Medieval World
Name of the Teacher - Dr. Asim Chaudhuri
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Jan. 2022

I. Roman Republic Its Significance, Constitution, Law, & Society, Agrarian economy, urbanization & trade-Economy Growth of Slavery & slave society in ancient Rome

Feb., 2022

II. Religion, culture, literature and Philosophy in ancient Rome

March, 2022

III. Crises of the Roman Empire & transition to Participate

April, 2022

IV. Economic developments in Europe (7th to 14th centuries) Feudalism, Organization of production, towns and trade, technological developments. Crisis of feudalism.

May, 2022

V. Religion and culture in medieval Europe

June 2022

VI. Societies in Central Islamic Lands The tribal background, ummah, Caliphate state; rise of Sultanates Religious developments: the origins of shariah, Mihna, Sufism Urbanization and trade

**Semester – II
History General**

Paper – CC- I B / GE- II (Core Cours)

History of India – II (300 to 1206 CE)

Name of the Teacher- Prof. Nivedita Chakraborty

6 Credits, Total Marks 75 (60+15) Total – 60 Lectures

Jan. 2022

I. The Rise & Growth of the Guptas Administration, Society, Economy, Religion, Art, Literature, and Science & Technology.

Feb., 2022

II. Harsha & His Times Harsha's Kingdom, Sasanka, Administration, Buddhism & Nalanda

March, 2022

III. Towards Early Medieval: North India - Palas, Senas, Pratiharas and the rise of Rajputs

April, 2022

IV. Towards Early Medieval: South India Chalukyas, Pallavas, Rashtrakutas, and the Cholas

May, 2022

V. Society, Economy and Culture in Early Medieval: The Feudalism debate Changes in Society, Economy and Culture

June, 2022

VI. Arrival of Islam in India

Arab conquest of Sindh

Struggle for power in Northern India & establishment of Sultanate.

Semester - IV

History Honours

Paper – CC- VIII (Core Course)

RISE OF THE MODERN WEST II (17th& 18th centuries)

Name of the Teacher -

6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Jan., 2022

I. 17th century European crisis: economic, social and political dimensions

Feb., 2022

II. The English Revolution: major issues; political and intellectual currents

March, 2022

III. Rise of modern science in relation to European society from the Renaissance to the 17th century

April, 2022

IV. Mercantilism and European economics; 17th and 18th centuries

V. European politics in the 18th century: parliamentary monarchy; Patterns of Absolutism in Europe

May, 2022

VI. Prelude to the Industrial Revolution

Semester - IV

History Honours

Paper – CC- IX (Core Course)

HISTORY OF INDIA- V (c. 1758- 1857)

6 Credits, Total marks 75 (60 + 15) Total – 60 Lectures

Jan., 2022

I. Foundations of Company's Rule Early contestations between the Dutch, French and the British East India Company Bengal Nawabs and the battle of Plassey, Buxar and the grant of Dewani, Anglo Mysore; Anglo Maratha and Anglo Sikh relations. The Subsidiary alliance and the Doctrine of Lapse.

Feb., 2022

II. Legitimization of Company's rule in India Regulating Act; Pitt's India Act; Charter Acts of 1813, 1833 and 1853 Administrative, Military, Police and Educational Reforms

March, 2022

III. Rural Economy and Society Land revenue systems- Permanent settlement, Rayatwari and Mahalwari Commercialization of agriculture and indebtedness. Rural society: change and continuity, Famines.

April, 2022

IV. Trade and Industry , De industrialization , Trade and fiscal policy , Drain of Wealth Growth of modern industry

V. Renaissance and Reforms Bengal Renaissance and Socio-religious Reforms: Rammohan Roy (Brahma Samaj), Young Bengal, Vidyasagar and Others Educational Reforms initiated by the Company

May, 2022

VI. Popular Resistance Santhal uprising (1856-57); Sanyasi Uprising, Kol Bhumij uprising, Wahabi Faraizi and Santhal Uprising Revolt of 1857: causes and nature

**Semester - IV
History Honours
Paper – CC- X (Core Course)
HISTORY OF INDIA (1858-1964)**

6 Credits, Total marks 75 (60 + 15) Total – 60 Lectures

Jan., 2022

I. The aftermath of 1857 Queen's Proclamation; The Indigo rebellion, The Deccan Riots, The growth of the new middle class; The age of associations, The Aligarh movement, The Arya and the Prarthana Samaj

Feb., 2022

II. The early phase of Indian Freedom Movement Historiography of Indian Nationalism; Birth of Indian National Congress, The Moderates and the Extremists, Partition of Bengal, the Swadeshi movement, Muslim League, Morle Minto Reforns; Revolutionaries in India and abroad, the Lucknow pact

March, 2022

III. The Gandhian era Gandhi's rise to power, Rowlatt Satyagraha, Montagu Chelmsford reforms; Khilafat and Non-co-operation movement, The Swarajya party, Poona Pact, Civil Disobedience Movement, Quit India Movement;

April, 2022

IV. Towards freedom Government of India Act 1935, The rise of the leftist movements, The Peasant and Working class movements, Cripps Mission, Subhas Bose and INA, RIN mutiny; Wavell Plan, Cabinet Mission; Tebhaga and Telengana movements;

May, 2022

V. Communal Politics Demand for Pakistan; Lahore session of the Muslim League, rise of Hindu Mahasabha and the RSS; Akali Dal, Partition and its consequences.

June, 2022

VI. The Nehru era Internal policy between 1947 to 1964- movements for social justice, the new constitution, integration of the princely states, growth of parliamentary democracy, five years plan; India's foreign policy – Non alignment, India's relation with her neighbours.

Semester - IV
History Honours
Paper – SEC-II (Skill Enhancement Course)
Art Appreciation: An Understanding to Indian Art
40 Lectures, 2 Credits, Total marks – 50

The purpose of this course is to introduce students to Indian art, from ancient to contemporary times, in order to understand and appreciate its diversity and its aesthetic richness. The course will equip students with the abilities to understand art as a medium of cultural expression. It will give students direct exposure to Indian art through visuals, and visits to sites and museums.

Jan., 2022

I. Prehistoric and protohistoric art: Rock art; Harappan arts and crafts

Feb., 2022

II. Indian art (c. 600 BCE – 600 CE): World Heritage Site Managers, UNESCO World Heritage Manuals [can be downloaded/ accessed at www.unesco.org] Notions of art and craft_ Canons of Indian paintings_ Major developments in stupa, cave, and temple art and architecture Early Indian sculpture: style and iconography_ Numismatic art

March, 2022

III. Indian Art (c. 600 CE – 1200 CE) : Temple forms and their architectural features Early illustrated manuscripts and mural painting traditions Early medieval sculpture: style and iconography, Indian bronzes or metal icons

April, 2022

IV. Indian art and architecture (c. 1200 CE – 1800 CE) : Sultanate and Mughal architecture, Miniature painting traditions: Mughal, Rajasthani, Pahari Introduction to fort, palace and haveli Architecture

May, 2022

V. Modern and Contemporary Indian art and Architecture: The Colonial Period- Art movements: Bengal School of Art, Progressive Artists Group, etc. Major artists and their artworks_ Popular art forms (folk art traditions)

Semester – IV
History General
Paper – CC- ID / GE- IV (Core Course)
HISTORY OF INDIA- IV (FROM 1707 – 1950 AD)
Core Courses Paper – I D 6, Credits, 60 Lectures, Total Marks 75 (60+15)

Jan., 2022

I. Regional States and rise of the Company's rule Bengal – Battle of Plassey, Buxar and Dewani
Marathas and Anglo Maratha relation Mysore and Anglo Mysore relation Anglo Sikh relations

Feb., 2022

II. Land Settlements, peasant and Tribal revolts upto 1857 Permanent settlement and Rayatwari
Tribal and Peasant revolts- Wahabi, Fairazi and Santal

March, 2022

III. Socio- Religious Reform Movements in the 19th Century Rammohan Roy, Young Bengal,
Vidyasagar, AryaSamaj, Growth of a new middle class

April, 2022

IV. 1857 and its aftermath Causes and nature of the 1857 Age of associations and the birth of INC
V. Indian National Movement Moderates and Extremists Partition of Bengal and the Swadeshi
movement Rise of Gandhi in Indian politics and Gandhian movements. Leftist movements Subhash
Chandra Bose and the INA

May, 2022

VI. Partition Of India and the establishment of Indian Republic Government Of India Act 1935
Cripps Mission, Wavell Plan, Cabinet Mission Communal Politics Partition of India Constituent
Assembly and the birth of the Republic

Sem – IV
History General
Paper – SEC- II (Skill Enhancement Courses)
Understanding Heritage
40 Lectures, 2 Credits, Total marks – 50

This course will enable students to understand the different facets of heritage and their significance. It highlights the legal and institutional frameworks for heritage protection in India as also the challenges facing it. The implications of the rapidly changing interface between heritage and history will also be examined. The course will be strongly project-based and will require visits to sites and monuments. At least two Projects will be based on visits to Museums/Heritage Sites.

Jan, 2022

I. Defining Heritage Meaning of 'antiquity', 'archaeological site', 'tangible heritage', 'intangible heritage' and 'art treasure'

Feb., 2022

II. Evolution of Heritage Legislation and the Institutional Framework: Conventions and Acts—national and international Heritage-related government departments, museums, regulatory bodies etc. Conservation Initiatives

March, 2022

III. Challenges facing Tangible and Intangible Heritage Development, antiquity smuggling, conflict (to be examined through specific case studies)

April, 2022

IV. Challenges facing Tangible and Intangible Heritage: Development, antiquity smuggling, conflict (to be examined through specific case studies)

May, 2022

V. Heritage and Travel: Viewing Heritage Sites, The relationship between cultural heritage, landscape and travel recent trends

Semester – VI

History Honours Paper – CC- XIII (Core Course)

HISTORY OF MODERN EUROPE II (1871 – 1945)

6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Jan., 2022

I. Imperial Expansion: Bismarck's diplomacy and the new balance of power; Kaiser William II and Welt Politik; new course in German foreign policy; the eastern question of the late 19th century, Balkan wars

Feb., 2022

II. First World War and its aftermath: Outbreak of the First World War, emergence of the two armed camps; impact of the first world; the Russian revolution, the peace settlements of 1919, the League of nations.

March, 2022

III. Challenges to the new European order: Consolidation and Development of power of the Soviet State, French search for security, Rise of Fascism in Italy and Nazism in Germany, World Economic depression of 1929, the Crisis of the Inter War European Order

April, 2022

IV. The Road to 2nd World War; Germany's aggressive foreign policy; the role of the war economy, Spanish civil war, Mussolini's foreign policy and Abyssinian crisis, formation of the Rome Berlin Tokyo Axis;

V. Second World War: Outbreak of the 2nd World War and its impact

May, 2022

VI. United Nations Organization: its origin and functions

Sem – VI

History Honours Paper – CC- XIV (Core Course)

MAKING OF THE CONTEMPORARY WORLD (1946-2000)

6 Credits, Total marks, 75 (60 + 15) Total – 60 Lectures

Jan., 2022

I. Post War Development a. An overview of post-war developments Social, Political and Economic b. Cold war Politics- ideological clash & power rivalry between super powers c. Military and Defense Alliances and Peace Pacts - Containment of Communism- Marshal Plan Truman Doctrine- Warsaw Pact- Military Alliances-NATO; SEATO- Bagdad Pact- Cominform, Berlin after 1945- Fall of the Berlin Wall & German Re-Unification

Feb., 2022

II. Decolonization and the emergence of the Third world --a. National Movements in Asia & Africa

b. Emergence of the Third World; Non –alignment c. Third World Organizations-OPEC, ASEAN, SAARC

March, 2022

III. Cold War Escalates a. War in Korea, Cuban missile crisis, Vietnam problem b. Palestine Problem; Suez Crisis, Iran- Iraq conflicts, Gulf War c. Arab- Israel wars- activities of the PLO, Afghan Problem

April, 2022

IV. Perspectives on Development and under development a. Globalization & its impact on the Third World b. Liberalization & its impact on Indian economy; Multinational Companies, World Bank, IMF c. Information Revolution

V. Modernity and cultural transformation Emerging trends in culture, Media and consumption; Information Revolution

May, 2022

VI. Changing World --a. Collapse of Soviet Bloc; Process of disintegrations, Glasnost and Perestroika, b. American Uni-polarism; USA as a global policeman c. Current threats confronting the World - Ethnic Clashes & Cross border Terrorism.

Sem – VI

History Honours Paper – DSE- III (Discipline Specific Elective)

History of Modern East Asia-1 (1840-1919)

6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Jan., 2022

I. Pre-colonial China -- [a] Nature and structure of the traditional Chinese society. [b] The peasantry and gentry; Government bureaucracy and central control. [c] The Confucian value system. [d] China's pre-modern economy.

Feb., 2022

II. Anglo Chinese relations till the Opium War [a] The Tribute system; the Canton trade and its collapse. [b] First & Second Opium Wars—the unequal treaties. [c] Financial Imperialism: Open Door policy.

March, 2022

III. Rebellion, Restoration and Nationalism - [a] The Taiping Rebellion: causes, nature and failure. [b] Tung- Chih Restoration; the Hundred Days' Reform and the Self –Strengthening Movement. [c] Boxer Uprising : causes, nature and failure. [d]The Revolution of 1911: background and causes, nature and significance; role of Dr Sun YatSen; principles and politics, formation of the Republic; Yuan Shih-kai and warlordism; the rise of the Kuomintang.

April, 2022

IV. Pre-Meiji Japan [a] Tokugawa Shogunate: the feudal society and the government; Shintoism. [b] Economic condition. c) Encounter with the West: the Perry Mission; the opening of the Japan to the west. [d] The crisis and fall of the Shogunate

V. Meiji Restoration - [a] Causes and nature of Restoration. [b] Transformation of Japan: process of modernization. [c] Meiji Constitution.

May, 2022

VI. Expansion of Japan up to the First World war [a] Sino-Japanese war (1894-95). [b] The Anglo-Japanese Alliance (1902). [c] Contest for Korea and the Russo-Japanese war (1904-05) [d] Japan and the First World War.

Sem – VI

History Honours Paper – DSE- IV (Discipline Specific Elective)

History of China and Japan (1919-1939)

6 Credits, Total 75 marks (60 + 15) Total Lectures – 60

Jan., 2022

I. Nationalism in China [a] Emergence of the Republic and Yuan Shih Kai: Warlordism. [b] May 4th Movement: origin, nature and significance.

Feb., 2022

II. The Kuomintang and the Nationalist government [a] The rise of the Kuomintang Party: Political crisis in the 1920s; The First United Front [b] Chiang Kai-shek: the KMT-CCP conflict. [c] Ten Years of Nanking Government.

March, 2022

III. The Communist Victory in China [a] Background of the foundation of the Communist Party. [b] CCP under Mao Tse-tung: the making of the Red Army; the Second United Front; Long March. [c] The Yen-an experiment; [d] The Chinese Revolution (1949): Ideology, causes and significance; the establishment of the Peoples' Republic of China.

April, 2022

IV. Rise of modern Japan - [a] Process of modernization: social, military, political and educational; popular and democratic movement; [b] Rise of Political Parties, abolition of feudalism and economic growth. [c] Industrialization and the role of the state; the Zaibatsu.

V. Imperial Japan [a] Japan and World war I: Twenty-one Demands. [b] Washington Conference. [c] Manchurian crisis: role of the League of Nations. [d] Failure of the Democratic system and the rise of militarism in the 1930s and the 1940s.

May, 2022

VI. Japan and World War II [a] Japan's bid for supremacy and defeat. [b] Post war Japan under General Douglas MacArthur.

Semester – VI

History General

Paper – DSE IIA (Discipline Specific Elective)

SOME ASPECTS OF EUROPEAN HISTORY (1789-1939)

6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Jan., 2022

1. The French Revolution a) France before 1789; Socio- Economic and Political background; Birth of new ideas Philosophers and Physiocrats b) Progress of the Revolution; The Constituent Assembly; The reign of Terror c) Impact of French Revolution on Europe

Feb., 2022

2) Napoleon Bonaparte and aftermath a) Rise of Napoleon b) Napoleonic reforms; Napoleon and Europe; Fall of Napoleon, c) Vienna Congress; The concert of Europe; Metternich system

March, 2022

3. The revolutions of 1830 and 1848 a) The Democratic and Nationalist Aspirations of Europe b) Causes, and Impact of July Revolution of 1830 c) The February revolution of 1848-50.

April 2022

4. Age of Nationalism a) The Crimean War; The Eastern Question; Turkey; Russia's ambition in the Balkans b) The second Empire in France and Louis Napoleon c. Unification of Italy & Germany

5. Europe between 1914-1939 a) Origin of the First World War; Role of different European Powers; Peace of Settlement of 1919; The League of Nations b) Political and Economic Disorder & Depression, Policy of Appeasement, Spanish Civil War; Munich Pact' Russo-German Non-Aggression Pact c) Rise of Fascism in Italy and Nazism in Germany

May, 2022

6. Second world war a) Origins b) Failure of disarmament and the League of Nations c) Responsibility of Hitler

Sem-VI
History General
Paper – GE II (Generic Elective Paper)
Gender & Education in India
6 credits, Total 75 marks (60 + 15) Total – 60 Lectures

Jan., 2022

I. Historiographical Trends a. Pre-colonial historiographical trends in women's education b. colonial historiographical trends in women's education c. Post-colonial historiographical trends in women's education

Feb., 2022

II. Education in Early and Medieval Times a. Women's Education in Medieval times b. Regional trends of Women's education in pre-colonial India c. Instances of women's education, obstacles

March, 2022

III. Colonial Period a. Socio-religious reforms b. Role of Christian missionaries in spreading female education, recent debates c. Indigenous initiatives at women's education

April, 2022

IV. Role of Schools and Colleges in colonial and post-colonial period a. Girls School and Colleges, development towards co-education b. Expansion of infrastructural facilities in education c. Technical and vocational education for women

V. Contours of female literacy since 1950 a. Interrogating literacy for women b. Government policies and Schemes c. Disparities in Literacy: Region, Community, Social and Eco-factors

May, 2022

VI. Present Scenario a. Education as a tool of Empowerment

Sem – VI
History General
Paper – SEC-IV (Skill Enhancement Courses)
Art Appreciation: An Understanding to Indian Art
2 Credits, Total marks – 50 Total – 40 Lectures

The purpose of this course is to introduce students to Indian art, from ancient to contemporary times, in order to understand and appreciate its diversity and its aesthetic richness. The course will equip students with the abilities to understand art as a medium of cultural expression. It will give students direct exposure to Indian art through visuals, and visits to sites and museums.

Jan., 2022

I. Prehistoric and protohistoric art: Rock art; Harappan arts and crafts

Feb., 2022

II. Indian art (c. 600 BCE – 600 CE): World Heritage Site Managers, UNESCO World Heritage Manuals [can be downloaded/ accessed at www.unesco.org Notions of art and craft, Canons of Indian paintings, Major developments in stupa, cave, and temple art and architecture Early Indian sculpture: style and iconography, Numismatic art

March, 2022

III. Indian Art (c. 600 CE – 1200 CE) : Temple forms and their architectural features, Early illustrated manuscripts and mural painting traditions Early medieval sculpture: style and iconography, Indian bronzes or metal icons .

April, 2022

IV. Indian art and architecture (c. 1200 CE – 1800 CE) : Sultanate and Mughal architecture, Miniature painting traditions: Mughal, Rajasthani, Pahari Introduction to fort, palace and haveli Architecture

May, 2022

V. Modern and Contemporary Indian art and Architecture: The Colonial Period, Art movements: Bengal School of Art, Progressive Artists Group, etc. Major artists and their artworks, Popular art forms (folk art traditions

DR. AMIYA GHOSH
H.O.D., Dept. of History
Suri Vidyasagar College

SURI VIDYASAGAR COLLEGE

DEPARTMENT OF ARABIC

Teaching plan of Dr. MOHD MOATASIM
B.A. Arabic (Hons. & Genl.) session July 2021– June 2022

Sem-I (Hons. & Genl)	No. of Lecture	Sem-III (Hons. & Genl)	No. of Lecture	Sem-V (Hons. & Genl)	No. of Lecture
CC1: Hist. of Arabic Lit.(from Pre-Islamic to Umayyad period), Gram. & Trans	Total Classes=30	CC5: Poetry (Pre-Islamic, Islamic & Umayyad period) 5: Selected Verses from Poetry of Al- Farazdaq. 6: Selected Verses from Poetry of Jarir	Total Classes=20 10 10	CC-11: Prose (Modern Period unit 1) (5): Manhaj al-Anbiyā' fi al-islāh wa al-taqhyir (The method of Prophets to reform and change): Syed Abul Hasan Ali Nadwi	Total Classes=10 10
Part B: Grammar & Translation (a) Words; Noun, Verb & Particles (b) Number: Singular, Dual & Plural (c) Definite & indefinite Noun (d) Gender; Masculine & Feminine (e) Demonstrative Pronoun (f) Relative Pronoun (g) Personal Pronouns and Its Kinds (h) Prepositions (i) Interrogative words (j) Kinds of Verb; Past, Present, Imperative and Negative imperative Verb (k) Simple Verbs (Mujarrad Verbs) (l) Possessive compound (Genitive Construction) (m) Noun and adjective (n) Subject and Predicate (Nominative Sentences)	2 4 1 1 2 2 2 2 2 2 2 2 2 2 2	CC-6: History of Arabic literature (Spain) gram. & trans. Unit: B 1) Complex Verbs (Mazid Verbs) and its Stem-Forms 2) Features of Stem-Forms: If'āl, Tafīl, Ifti'āl, Istif'āl, Mufā'ala 3) Semi-Defective Verbs; (Af'āl al-Muqāraba wa al-Rij'ā' wa al-Shuru' (Approximative, Hope and Inchoative verbs) 4) Defective Verbs 5) Plural and its kinds 6) Five objects	Total Classes=30 4 5 6 3 5 7	CC-12: Poetry (Modern Period unit 1) 4) Jamil wa Buthain: Zahāwī DSE2: Elementary knowledge of Al-Quran & Al-Hadeeth Literature. Al-Qur'an (Holy Qur'an) 1) Detailed History of revelation and compilation of Holy Qur'an (Tārikh Nuzul al-Qur'an wa Jao'uhu wa al-Ihtifaz bihi Mufassilan) 2) Tathir al-Qur'an al-Karim 'ala al-Lugha al-Arabiyya wa Hayāt al-Arab al-Ijtima'iyyah (The impact of Holy Qur'an on Arabic Language and social life of Arabs) 3) Khulāsa al-Suwar al-Taliya wa al-Fikrah al-Ra'isiyya fiha (Conclusion and Central Ideas of the following Chapters): Al-Mā'ida, Al-Kahf, Al-Hujrāt 4) Ma'lumāt al-Qur'an (Knowledge of the Holy Qur'an): a) Shān al-Nuzul, Surah Makkiyya Madniyya, al-Mufassirun min al-Sahāba (RA) b) Al-Istalahāt: al-Nasikh, al-Mansukh, al-Muhkam, al-Mutashābih, al-Tahrif	Total Classes=10 10 Total Classes=60 (30) 5 5 5 7 8
CC-2: Arabic Prose (Islamic & Medieval) (Part-A) d) Khutba al-Nabi (PBUH) fi Hajja al-Wadā' (The Last Sermon of the Prophet PBUH)	Total Classes=10 10	SEC1: Translation & Composition Unit 1: Translation 1) Kinds of Sentences: Nominal, Verbal, Conditional, Structural, Subject and Predicate, Places where Subject comes first, Places where Predicate comes first 2) Exercises of Letter writing on different topics and Application writing in Arabic	Total Classes=40 30 10	Al-Hadith (Hadith) 1) The Hadith and its History of compilation and preservation in the following periods: Prophet's period, Umayyad period & Abbasid period 2) Life and work of following Muhaddithin in the field of Hadith: Imām Bukhāri, Imām Muslim, Imām Abu Da'ud, Imām Nasa'i, Imām Ibn-i-Māja, Imām Tirmidhi (RA) 3) History of publishing and teaching of Hadith in India 4) Life and contribution of Abdul Haq Muhaddith Dehlawi and Shah Waliyullah Dehlawi in serving the field of Hadith	(30) 6 14 5 5
CC-1A: A. Hist. of Arabic Literature (from Pre- Islamic to Umayyad Period 500- 750 A. D.), Gram. & Translation C: Grammar & Translation (a) Words; Noun, Verb & Particles (b) Definite & indefinite Article (c) Gender; Masculine & Feminine (d) Number: Singular, Dual & Plural (e) Kinds of Verb; Past, Present, Imperative and Negative imperative Verb (f) Simple Verbs (Mujarrad Verbs) (g) Pronouns and Its Kinds (h) Possessive compound (Genitive Construction) (i) Subject and Predicate (Nominative Sentences)	Total Classes=30 3 2 1 4 9 2 4 2 3	CC-1C: Prose (Islamic, Medieval & Modern Period) 5. Ahmad Amin: Al-din al-Sina'i (Artificial Religion) SEC1: Grammar, translation & latter writing a) Nominal Sentences, Verbal Sentences, Conditional Sentences, the particles that resembles verbs, Defective Verbs, Hāl and Dhū al-Hāl (Adjective of Condition), Adverb of Clarification b) Letter Writing (Official, Educational, Personal and etc.	Total Classes=12 12 Total Classes=40 25 15	SEC3: Specific literary feature of modern Arabic Literature DSE-1A: Rhetoric & Prosody: b) Prosody and its kinds	Total Classes=30 30

Sem-II (Hons. & Genl)		Sem-IV (Hons. & Genl)		Sem-VI (Hons. & Genl)	No. of Lecture
CC-3: History of Arabic Literature (Abbasid Period & Indian Arabic Lit.), Gram. & Translation	Total Classes=30	CC-8: Poetry (Abbasid & Fatimid)	Total Classes=15	CC-13: Prose (Modern Period Unit -II)	Total Classes=10
B. Grammar & Translation		a) Abul Alā Ma'rri: Ala Fi Sabīl al-Majd Mā Ana Fā'il	15	2) Accident: Naguib Mahfouz	10
(a) Intransitive and Transitive Verbs	5	CC-9: History of Arabic Literature (North & South America/Adabul Mahjar) & Grammar + Translation	Total Classes=30	CC-14: Poetry (Modern Period Unit -II)	Total Classes=15
(b) The Particles which introduce the verb in jussive case	2	2: Grammar based Translaion on the prescribed items.		3) Lap of Mother: Rashid Salim al-Khoury	15
(c) The Particles which introduce the verb in accusative case	2	c) Hāl and Dhū al-Hāl (Adjective of Condition)	4	DSE-4: Translation, Essay Writing, Terminology & Vocabulary	Total Classes=60
(d) Infinitive (Gerund) and derivative nouns: Active Participle, Passive Participle, Locative noun, utilitarian noun, comparative and superlative, hyperbolic participle and resembling participle,	13	d) Adverb of Clarification	4	A) Grammar & Translation:	
(e) Case: Nominative, Accusative & Genitive	1	e) Declinable and indeclinable	4	1) Number and countable Noun	18
(f) The particles that resembles verbs	3	f) Diptotes	8	2) Exclusion mustathnā mustathnā minhu	9
(g) Defective verbs	4	g) Conditional particles	6	3) The followers	8
CC-4: Arabic Prose (Islamic & Medieval) (Part-B)	Total Classes=20	h) Categorical negative lā	4	B) Essay Writing in Arabic (Narrative & Descriptive Types)	15
d) Baina Qādin Waqur wa Dhubābin Jasur (Between a dignified judge and daring fly)	10	CC-10: Development of Modern Arabic Novel, short-story, Drama & Formation of Literary Groups	Total Classes=12	C) Terminology & Vocabulary	10
e) Ash'ab wa al-Bakhīl (Ash'ab and the miser)	10	C: Essay Writing in Educational, Social, Political & Scientific aspects	12		
CC-1B: A. History of Arabic Literature (Abbasid Period, 750-1258 A.D.), Grammar & Translation	Total Classes=30	SEC2: Translation & Interpretation (from English into Arabic & vice versa from News papers) & Communicative Skill:	Total Classes=40		
Grammar & Translation		1) Translation from Arabic and English Newspaper: Scientific, Political, Social and economic	25		
(a) The Particles which introduce the verb in jussive case	3	2) Conversation and speech in Arabic language on any scientific topic	15		
(b) The Particles which introduce the verb in accusative case	3	CC1D: Poetry : (Islamic, medieval, & Modern Period)	Total Classes=20		
(c) Demonstrative Pronoun	4	1) Hafiz Ibrahim: Condition of Arabic Language	10		
(d) Relative Pronoun	4	6: Abul Alā Ma'rri: Ala Fi Sabīl al-Majd	10		
(e) Active Participle, Passive Participle, Noun and adjective	6	SEC2: Grammar ,translation & latter writing	Total Classes=40		
(f) Case: Nominative, Accusative & Genitive	2	a)			
(g) Prepositions	2	1) Exclusion	7		
(h) Interrogative particles	3	2) Categorical negative lā	5		
(i) Conditional particles	3	3) Features of Stem-Forms: If'āl, Taf'īl, Istif'āl, Mufā'ala & Ifti'āl	13		
		b) Essay Writing: Visit of the popular city, popular Library, and zoo and article on personality whom you like very much	15		



**Teaching Plan of Dr. Tannoy Mandal for B.Sc. Plant Protection (General Course)
(2021-22) (July 2021 – June 2022)**

Month	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V (G)	No. of Lecture
Jul	CC-1A Pests and Vectors Theory: Pest-Comprehensive definition, Categories of pests: Practical: Mounting, preserving and labeling of Insect Pests and Vectors	3 2	CC-1C Bionomics, Plant disease and their management Theory: Bionomics and Management of major insect pests of Rice & Sugarcane. Stored grain Pests Practical: Preparation of desired strength of Pesticides SEC-1 Green Pesticides Theory: Definition of green pesticides	5 4 2 2	DSE-1A Integrated Pest Management Theory: Definition and genesis of Integrated Pests Management Practical: Study of sign and symptoms caused by pest.	4 2
Aug	CC-1A Pests and Vectors Theory: Pathogenic, Competitive, Regular, Sporadic with examples and their corresponding vector Practical: Identification of Insect Pest and diseases.	2 2	CC-1C Bionomics, Plant disease and their management Theory: Bionomics and Management of major insect pests of Mustard, Potato & Cauliflower. Common bird pest Practical: Plant protection equipments; handling of rotary duster, Knapsack sprayer and seed dresser SEC-1 Green Pesticides Theory: Botanical pesticides, Advantage of using botanical insecticides	5 2 2 4	DSE-1A Integrated Pest Management Theory: Tools and strategies of IPM- Cultural Control, Physical Control, Mechanical Control, Biological control, Chemical control etc. Practical: Field survey and collection of pest and disease.	10 2
Sept	CC-1A Pests and Vectors Theory:	8	CC-1C Bionomics, Plant disease and their management	10	DSE-1A Integrated Pest Management Theory: Integrated Pests	6

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	<p>Characteristics of following pests, Protozoan, Nematodes, Mites, Insects, Molluscs, Birds, Rodents</p> <p>Practical: Permanent slide preparation.</p>	2	<p>Theory: Bionomics and Management of major insect pests of Brinjal, Jute, Gram, Mango, Tea</p> <p>Practical: Collection of insect pests, common weeds, their identification, preservation</p> <p>SEC-1 Green Pesticides Theory: preparation of pesticides from neem</p>	2 4	<p>managements of Rice, & Wheat crops.</p> <p>Practical: Application of pesticides in crop field</p>	2
Oct	<p>CC-1A Pests and Vectors Theory: Locust Migration of Locust, Phase Theory.</p> <p>Practical: Collection of insects and other pests.</p>	2 2	<p>CC-1C Bionomics, Plant disease and their management Theory: Termites- Examples, Biology and management</p> <p>Practical: Study of symptoms of attack by insect pests</p> <p>SEC-1 Green Pesticides Theory: preparation of pesticides from tobacco</p> <p>Green pesticides, Method of utilization, mode of action</p>	2 2 4 4	<p>DSE-1A Integrated Pest Management Theory: Integrated Pests managements of Potato & Mustard Field.</p> <p>Practical: Application of pesticides in crop field.</p>	4 2
Nov	<p>CC-1A Pests and Vectors Theory: Origin of New Locust Cycle, nature of damage and management.</p> <p>Practical: Field trips for collection of specimens and surveillance.</p>	3 2	<p>CC-1C Bionomics, Plant disease and their management Theory: Rodents (<i>Bandicota bengalensis</i>, <i>Rattus rattus</i>) and their management</p> <p>Practical: Field trips for collection of specimens and surveillance</p> <p>SEC-1 Green Pesticides Theory:</p>	2 2 4	<p>DSE-1A Integrated Pest Management Theory: Integrated Pests Managements of Sugarcane & pulse crops.</p> <p>Practical: Field trips for collection of specimens and surveillance</p>	6 2

			preparation of pesticides from <i>Chrysanthemum</i>			
			Green pesticides and chemical pesticides	8		
Dec	CC-1A Pests and Vectors Theory and Practical: Special classes + doubt clearing+ discussions		CC-1C Bionomics, Plant disease and their management Theory and Practical: Special classes + doubt clearing+ discussions		DSE-1A Integrated Pest Management Theory and Practical: Special classes + doubt clearing+ discussions	
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
Jan	CC-1B Pest Management Theory: Forecasting : Definition and need Practical: Field trips for collection of specimens and surveillance.	2 2	CC-1D Plant Defence Mechanism Theory: Resistance of Host Plant to insects. Practical: Field trips for collection of specimens and surveillance. SEC-2 Formulation and application of pesticides and their precautions Theory: Formulation of pesticides Sprayer and duster	10 2 4 4	DSE-1B Biotechnology in Plant Protection Theory: Crop protection and food security, Applications of plant biotechnology in plant protection Practical: Field trips for collection of specimens and surveillance.	4 2
Feb	CC-1B Pest Management Theory: Forecasting and monitoring of some insects Practical: Permanent slide preparation.	5 2	CC-1D Plant Defence Mechanism Theory: Physiological inhibitors and feeding deterrents Practical: Study of structural defences in plants- Trichome SEC-2 Formulation and application of pesticides and their precautions Theory: Solid	2 2 4	Theory: Transgenic plants: GM crops, Use of Beneficial Arthropods and Sterile Insect Release. Practical: Study through Photograph	8 2

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			formulation Sprayer -con- duster, aerosol generator	4		
Mar	CC-1B Pest Management Theory: Major signs and damage due to animal pests Practical: Study of Symptoms of attack by type pests	3 2	CC-1D Plant Defence Mechanism Theory: Ovipositional stimulants and deterrents, feeding stimulants Practical: Plant protection equipment; parts and handling of Rotary Duster. SEC-2 Formulation and application of pesticides and their precautions Theory: Liquid formulation Soil injector, seed dressing machine	4 2 4 4	DSE-1B Biotechnology in Plant Protection Theory: Insect Pathogenic Microorganisms, Pheromones Practical: Study through Photograph	6 2
Apr	CC-1B Pest Management Theory: Methods of Managements Practical: Identification of common insects, fungi other pests and diseases of major crops	10 2	CC-1D Plant Defence Mechanism Theory: Host Plant Nutrients and Insects Resistance Practical: Plant protection equipment; parts and handling of knapsack sprayer. SEC-2 Formulation and application of pesticides and their precautions Theory: Gaseous formulation	10 2 3	DSE-1B Biotechnology in Plant Protection Theory: Role of biotechnology in plant resistance to insects, successful examples of resistant crop varieties in India and world Practical: Study through Photograph	6 2
May	CC-1B Pest Management Theory: Integrated Pest Management. Practical: Preservation, Mounting and	10 2	CC-1D Plant Defence Mechanism Theory: Allelochemicals decreasing nutrients bioavailability,	4	DSE-1B Biotechnology in Plant Protection Theory: Genetic engineering in <i>Baculoviruses</i> , <i>Bt</i> and entomopathogenic fungi. Transgenic plants for pest resistance	4

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	Labeling of specimens		Plant breeding for insect resistance Practical: Plant protection equipment; parts and handling of hand compression sprayer and seed dresser SEC-2 Formulation and application of pesticides and their precautions Theory: Precaution	2 3	Practical: Study through Photograph	2
June	CC-1B Pest Management Theory and Practical; Special classes + doubt clearing + discussions		CC-1D Plant Defence Mechanism Theory and Practical; Special classes + doubt clearing + discussions		DSE-1B Biotechnology in Plant Protection Theory and Practical; Special classes + doubt clearing + discussions	

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DEPARTMENT OF PLANT PROTECTION

TEACHING PLAN OF DR. PAPIA MANDAL(RAHA)

PLANT PROTECTION (G) (2021-22) (JULY 2021-JUNE 2022)

MONTH	SEM-I (G)	NO OF LECTURE	SEM-III (GENERAL)	NO OF LECTURE	SEM-V(GENERAL)	NO OF LECTURE
JULY	Theory Unit-4 Classification Of Plant Disease ,Brief Account Of Bacteria Fungi ,algae Practical :- Identification Of Plant Disease	8	Theory Unit -1 Predisposition And Epidemiological Factors	4	Theory Dse-Ia Integrated Pest Management Unit-2 Tools & Strategies Of 1pm A) Cultural Control B) B)Physical Control C) Practical :- Study Of Sign & Symptoms Caused By Pest	4
AUGUST	Theory – Disease Triangle , Viroids ,Molecules Unit – 5 Dissemination Of Plant Pathogens, Soil Borne, Seed Borne , Air Borne, Water Borne Diseases. Practical –Preparation Of Fungal Slide	8	Theory – Unit 2 Symptoms ,Etiology, Disease Cycle & Management Of Major Plant Disease Of Rice Wheat Sugarcane Potato Tea Practical – Isolation Of Casual Organism	8	Theory – Unit 2 Mechanical Control Biological Control Practical :- Identification of plant diseases	9

MONTH	SEM-I (G)	NO OF LECTURE	SEM-III (GENERAL)	NO OF LECTURE	SEM-V (GENERAL)	NO OF LECTURE
SEPTEMBER	THEORY – UNIT 5 TRANSMISSION OF COMMON VIRUSES & THEIR COMMON VECTORS	8	UNIT-2 DISEASE OF MUSTARD TOMATO GROUND NUT JUTE BANANA	8	CHEMICAL CONTROL	10
	UNIT-6 SYMPTOMS - MAJOR TYPES DUE TO FUNGI BACTERIA VIRUSES PRACTICAL :- INOCULATION TECHNIQUE		UNIT-3 SEED PATHOLOGY SEED DETERIORATION PRACTICAL :- COLLECTION OF COMMON WEEDS	3	THEORY – GENETIC CONTROL LEGISLATIVE CONTROL	9
OCTOBER	UNIT-7 EPIDEMIOLOGY ENDEMIC, EPIDEMIC PANDEMIC SPORADIC DISEASES. PRACTICAL:- ISOLATION OF CASUAL ORGANISM	4	UNIT-3 SEED TRANSMISSION STRATEGY AND METHODS OF MANAGEMENT PRACTICAL :- STUDY TOUR	2	THEORY – APPROPRIATE IPM METHODS WITH EXAMPLE RICE FIELD WHEAT FIELD	8
NOVEMBER	UNIT – 7 MONOCYCLIC AND POLYCYCLIC DISEASE PYRAMID. STRATEGY OF MANAGEMENT (PANT) PRACTICAL - REPEAT	8	UNIT-4 POST HARVEST DISEASE AND PERISHABLES LOSS DISEASE OF FRUITS, VEGETABLE (ONE)	3	THEORY : APPROPRIATE IPM METHODS WITH EXAMPLE FROM POTATO FIELD MUSTARD FIELD FIELD SURVEY	8
DECEMBER	THEORY- UNIT : 7 STRATEGY OF MANAGEMENT	6	UNIT -5 WEED CLASSIFICATION EXAMPLES AND MANAGEMENT	4	APPROPRIATE IPM SUGARCANE FIELD PILSE FIELD PRACTICAL : STUDY TOUR	8

DEPARTMENT OF PLANT PROTECTION

TEACHING PLAN OF DR. PAPIA MANDAL (RAHA)

PLANT PROTECTION (G) (2021-22) (JULY 2021-JUNE 2022)

MONTH	SEM-II (G)	NO OF LECTURE	SEM-IV (GENERAL)	NO OF LECTURE	SEM-VI(GENERAL)	NO OF LECTURE
JANUARY	THEORY – UNIT 1: FORECASTING – DEFINATION AND NEED UNIT : 4 FORECASTING OF PLANT DISEASE FORECASTING SERVICE METHODS OF FORECASTING	2 4 2	THEORY – UNIT 1 : PRE INFECTONAL DEFENSE MECHANISM	4 4	DSE BIOTECHNOLOGY PLANT UNIT 1 : INTRODUCTION TO PLANT BIOTECHNOLOGY AND PLANT PROTECTION, CROP PROTECTION AND FOOD APPLICATION OF PLANT BIOTECHNOLOGY IN PLANT PROTECTION PRACTICAL : DEMOSTRATION OF STOMATAL CHANGE DURING INFECTION	8
FEBRUARY	THEORY –4 METHODS OF FORECASTING UNIT 5 : METHODS OF MANAGEMENT LEGISATION PHYSICAL CONTROL PRACTICALS : IDENTIFICATION OF COMMON FUNGI AND DISEASES OF MAJOR CROPS	4 6	THEORY : UNIT 3 : STRUCTURAL DEFENCE : DEVELOPMENT OF CORK LAYER DEPOSITION OF GUMS FORMATION OF PYLOSES,FORMATIO N OF ABSCISSION LAYER PRACTICAL :	8	Theory – Unit 2 PLANT GENETIC ENGINEERING FOR RESISTANCE TO PLANT PATHOGEN. GENERAL CONCEPT OF GENETIC ENGINEERING AND TISSUE CULTURE FOR THE MANAGEMENT OF DISEASE RESISTANCE CROPS.	8

MONTH	SEM-II (G)	NO OF LECTURE	SEM-IV (GENERAL)	NO OF LECTURE	SEM-VI (GENERAL)	NO OF LECTURE
MARCH	THEORY - UNIT 5: CULTURAL CONTROL BIOLOGICAL CONTROL PRACTICAL FIELD SURVEY	3 5	ESTIMATION OF TOTAL PHENOL FROM INFECTED PLANT TISSUE			
MARCH			THEORY - UNIT 3: CELLULAR DEFENSE MECHANISM DEFENSE THROUGH HYPER SENSITIVITY PRACTICAL ESTIMATE OF TOTAL PHENOL FROM HEALTHY PLANT	5	UNIT 4 : DETECTION TOOLS FOR PLANT INFECTION APPLICATION OF BIOTECHNOLOGICAL TOOLS FOR DETECTING PLANT INFECTION (NUCLEIC ACID ISOLATION AND PCR BASED TECHNIQUES, in Situ HYBRIDIZATION, ELISA TECHNIQUES)	10
APRIL	Theory Unit 5 CHEMICAL CONTROL GENETIC RESISTANCE PRACTICAL STUDY TOUR	5 5	THEORY - 4 ROLE OF PHYTOLEANS IN DEFENSE MECHANISM PRACTICAL STUDY OF STRUCTURAL DEFENSE IN PLANTS	6	THEORY : UNIT 6 CELL LINES, GENETIC ENGINEERING IN BACULOVIRUS, B1 AND ENTOMOPATHOGENIC FUNGI.	4
MAY	THEORY - UNIT 6: INTEGRATED PEST MANAGEMENT (IPM) DEFINITION, GENESIS APPROPRIATE IPM METHODS IN RICE, WHEAT , POTATO FIELDS	5 4	THEORY UNIT 5: BASIC IDEA ABOUT TOXINS OF PATHOGENS PRACTICAL STUDY OF STRUCTURAL DEFENSES IN PLANTS	4	UNIT 6 : TRANSGENIC PLANTS FOR PEST RESISTANCE UNIT 7 : QUARANTINE LAW, BIOSAFETY	8

	PRACTICAL : REPEAT		CORK LAYER			
JUNE	THEORY- UNIT 6 INTEGRATED PEST MANAGEMENT (I PM) APPROPRIATE I PM METHODS IN MUSTARD SUGARCANE AND PULSES PRACTICAL- REAPT	6	THEORY - ALL SYLLUBUS	6	UNIT 7 : USE OF TISSUE CULTURE TECHNIQUE IN PLANT PROTECTION FOR RESISTANCE - GENETIC MANIPULATION	8

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**SURI VIDYASAGGAR COLLEGE
DEPARTMENT OF POLITICAL SCIENCE**

**TEACHING PLAN OF SABIRUL ISLAM
Political Science (General) (July 2020 – June 2021)**

	SEMESTER-I	No. of Lecture	SEMESTER-III	No. of Lecture	SEMESTER-V	No. of Lecture
July-December, 2020	CC1/GE-1: Western Political Thought	12	CC-3/GE-3: Indian Political Thought	22	DSE-1A: Select Comparative Political Thought	7
	Chapter-4		Chapter-2		Chapter-3	
	Hobbes, Locke and Rousseau: Concept of Sovereignty	12	Main Features of Medieval Muslim Political Thought	5	C) Ambedkar on Social Justice	7
	Concept of Sovereignty	4	Introduction to Medieval period	2	Introduction	1
	Hobbes's Concept of Sovereignty	3	Main Features of Muslim Political Thought	3	The concept of Social Justice	2
	Locke's Concept of Sovereignty	2	Chapter-3		Ambedkar as a Reformer	2
	Rousseau's Concept of Sovereignty	3	Rammohan Roy: perception of British Colonial Rule and their role as Modernizers	10	Ambedkar's concept of Social Justice	2
			Introduction to Rammohan Roy as thinker	2	SEC-3: Democratic Awareness through Legal Literacy	60
			His perception of Nationalism	2	Chapter-1	
			British Colonial Rule	2	Constitution-fundamental rights, fundamental duties and other constitutional rights	20
			Perception of British Rule	2	Constitution and its importance	3
			British's as modernizes	2	Fundamental rights	8
			Chapter-7			
			Ambedkar: Social Justice	7		
			Introduction	1		
		The concept of Social			5	

July-December, 2020	Justice	2	Fundamental duties	4
	Ambedkar as a Reformer	2	Other constitutional rights	
	Ambedkar's concept of Social Justice	2	Chapter-2	
			Laws relating to dowry, sexual harassment and violence against women- laws relating to consumer rights and cyber crimes	13
			Laws relating to dowry	3
			Sexual harassment	2
			Violence against women	4
			Consumer rights	2
			Cyber crime	2
			Chapter-3	
			Anti-Terrorist laws: Implication for security and human rights	12
			Anti-Terrorist Laws	4
			Implications for security	5
			Protection of human rights: how to be safe	3
			Chapter-4	
			System of Courts/tribunals and their jurisdiction in India-criminal and Civil Courts, writ jurisdiction, specialized courts such as juvenile	15

					courts, Mahila courts and tribunal	
					System of courts	1
					Tribunals	1
					Jurisdiction of tribunals in India	2
					Civil and criminal courts	3
					Writ jurisdiction	4
					Specialized courts	1
					Juvenile courts	1
					Mahila courts	1
					Tribunals	1

	SEMESTER-II	No. of Lecture	SEMESTER-IV	No. of Lecture	SEMESTER-VI	No. of Lecture
	CC2/GE-2: Political Theory	20	CC-4/ GE-4 Indian Government and Politics	20	SEC-4: Human Rights Education	60
	Chapter -2 The Concept of Sovereignty: a) Monistic b) Pluralist C) Popular	10	Chapter – 5 Union Executive: President and Prime Minister: Powers and	11	Chapter-1 Meaning and a brief history of Human Rights (UDHR)	12
					Introduction to the	2

January- June, 2021	The concept of Sovereignty	4	Functions; Governor and Chief Minister: Power and Functions		UDHR	
	Monistic Sovereignty	2	Introduction to Nominal Executive and Real Executive	1	The major points in the UDHR	6
	Pluralist Sovereignty	2	President	1	Human rights	4
	Popular Sovereignty	2	Powers of the President	1	Chapter-2 Human rights: Terrorism and counter terrorism	12
	Chapter-3 Liberty and Equality: Meaning and their inter- relationship	10	Functions of the President	1	Human rights security issues	2
	Introduction		Prime Minister	1	Terrorism	4
	The concept of Liberty	1	Powers of Prime Minister	1	Counter terrorism	2
	Dimensions of Liberty	1	Functions of the Prime Minister	1	Implications for human security	
	The concept of Equality	2	Governor	1	Chapter-3 Indian constitution and protection of human rights	10
	Dimensions of Equality	1	Powers and Functions of Governor	1	Basic rights required to protect human rights	2
	Relationship between Liberty and Equality	2	Chief Minister	1	The concept of fundamental rights and its fit nesses with human rights propounded by the UDHR	8
		3	Powers and Functions of Chief Minister	1	Chapter-4 National Human Rights Commission: composition and functions	12
			Chapter -6 Judiciary: Supreme Court and High Courts- Compositions and Functions	10	Introduction to the Judicial System	2
			Supreme Court	1	Introduction to the NHRC	2
			Composition of Supreme Court	1	Composition of NHRC	6
			Functions of the Supreme Court	2	Functions of NHRC	
			High Court	1	Chapter-5 Human rights movements in India: evolution, nature, challenges and prospects	14

January- June, 2021			Composition of High Courts	1			
			Functions of High Courts	2			
						Background to the human rights movements in India	3
						Human rights movements in India	2
						Evolutions of human rights movements in India	2
						Nature of Human rights movements in India	2
						Challenges of Human rights movements in India	3
					Prospects of Human rights movements in India	2	

**SURI VIDYASAGGAR COLLEGE
DEPARTMENT OF POLITICAL SCIENCE**

**TEACHING PLAN OF SABIRUL ISLAM
Political Science (General) (July 2021 – June 2022)**

	SEMESTER-I	No. of Lecture	SEMESTER-III	No. of Lecture	SEMESTER-V	No. of Lecture
July-December, 2020	CC1/GE-1: Western Political Thought	12	CC-3/GE-3: Indian Political Thought	22	DSE-1A: Select Comparative Political Thought	7
	Chapter-4		Chapter-2		Chapter-3	
	Hobbes, Locke and Rousseau: Concept of Sovereignty	12	Main Features of Medieval Muslim Political Thought	5	C) Ambedkar on Social Justice	7
	Concept of Sovereignty	4	Introduction to Medieval period	2	Introduction	1
	Hobbes's Concept of Sovereignty	3	Main Features of Muslim Political Thought	3	The concept of Social Justice	2
	Locke's Concept of Sovereignty	2	Chapter-3		Ambedkar as a Reformer	2
	Rousseau's Concept of Sovereignty	3	Rammohan Roy: perception of British Colonial Rule and their role as Modernizers	10	Ambedkar's concept of Social Justice	2
			Introduction to Rammohan Roy as thinker	2	SEC-3: Democratic Awareness through Legal Literacy	60
			His perception of Nationalism	2	Chapter-1	
			British Colonial Rule	2	Constitution-fundamental rights, fundamental duties and other constitutional rights	20
			Perception of British Rule	2	Constitution and its importance	3
			British's as modernizes	2	Fundamental rights	8
			Chapter- 7		Fundamental duties	5
			Ambedkar: Social Justice	7	Other constitutional	4

July-December, 2020		Ambedkar as a Reformer	2	rights	
		Ambedkar's concept of Social Justice	2	Chapter-2 Laws relating to dowry, sexual harassment and violence against women- laws relating to consumer rights and cyber crimes	13
				Laws relating to dowry	3
				Sexual harassment	2
				Violence against women	4
				Consumer rights	2
				Cyber crime	2
				Chapter-3 Anti-Terrorist laws: Implication for security and human rights	12
				Anti-Terrorist Laws	4
				Implications for security	5
				Protection of human rights: how to be safe	3
				Chapter-4 System of Courts/tribunals and their jurisdiction in India- criminal and Civil Courts, writ jurisdiction, specialized courts such as juvenile courts, Mahila courts and tribunal	15

					System of courts	1
					Tribunals	1
					Jurisdiction of tribunals in India	2
					Civil and criminal courts	3
					Writ jurisdiction	4
					Specialized courts	1
					Juvenile courts	1
					Mahila courts	1
					Tribunals	1

	SEMESTER-II	No. of Lecture	SEMESTER-IV	No. of Lecture	SEMESTER-VI	No. of Lecture
	CC2/GE-2: Political Theory	20	CC-4/ GE-4 Indian Government and Politics	20	SEC-4: Human Rights Education	60
	Chapter -2 The Concept of Sovereignty: a) Monistic b) Pluralist C) Popular	10	Chapter – 5 Union Executive: President and Prime Minister: Powers and	11	Chapter-1 Meaning and a brief history of Human Rights (UDHR)	12
					Introduction to the	2

January- June, 2021	The concept of Sovereignty	4	Functions; Governor and Chief Minister: Power and Functions		UDHR	
	Monistic Sovereignty	2	Introduction to Nominal Executive and Real Executive	1	The major points in the UDHR	6
	Pluralist Sovereignty	2	President	1	Human rights	4
	Popular Sovereignty	2	Powers of the President	1	Chapter-2 Human rights: Terrorism and counter terrorism	12
	Chapter-3 Liberty and Equality: Meaning and their inter- relationship	10	Functions of the President	1	Human rights security issues	2
	Introduction		Prime Minister	1	Terrorism	4
	The concept of Liberty	1	Powers of Prime Minister	1	Counter terrorism	2
	Dimensions of Liberty	1	Functions of the Prime Minister	1	Implications for human security	10
	The concept of Equality	2	Governor	1	Chapter-3 Indian constitution and protection of human rights	
	Dimensions of Equality	1	Powers and Functions of Governor	1	Basic rights required to protect human rights	2
	Relationship between Liberty and Equality	2	Chief Minister	1	The concept of fundamental rights and its fit nesses with human rights propounded by the UDHR	8
		3	Powers and Functions of Chief Minister	1	Chapter-4 National Human Rights Commission: composition and functions	12
			Chapter -6 Judiciary: Supreme Court and High Courts- Compositions and Functions	10	Introduction to the Judicial System	2
			Supreme Court	1	Supreme Court	2
			Composition of Supreme Court	1	Introduction to the NHRC	4
			Functions of the Supreme Court	2	Composition of NHRC	6
			High Court	1	Functions of NHRC	
				Chapter-5 Human rights movements in India: evolution, nature, challenges and prospects	14	

January- June, 2021			Composition of High Courts	1			
			Functions of High Courts	2			
						Background to the human rights movements in India	3
						Human rights movements in India	2
						Evolutions of human rights movements in India	2
						Nature of Human rights movements in India	2
						Challenges of Human rights movements in India	3
					Prospects of Human rights movements in India	2	

**SURI VIDYASAGGAR COLLEGE
DEPARTMENT OF POLITICAL SCIENCE**

**TEACHING PLAN OF SUBRATA KUMAR GUPTA
Political Science (General) (July 2020 – June 2021)**

	SEMESTER-I	No. of Lecture	SEMESTER-III	No. of Lecture	SEMESTER-V	No. of Lecture
July-December, 2020	CC1/GE-1: Western Political Thought	10	CC-3/GE-3: Indian Political Thought	10	DSE-1A: Select Comparative Political Thought	5
	Chapter -1 Ancient Greek Political Thought	10	Chapter-1 Ancient Indian Political Thought:: Features; Kautilya's theory of Saptanga and the concept of Dandaniti	10	Chapter-3 Indian Thought: Thinkers and Themes	5
	Introduction	2			a) Kautilya on State	
	Background	2				
	Main Philosophers	2	Introduction	2		
	Main Features	4	Main features of ancient Indian Political thought	2		
			Kautilya's Saptanga	4		
			Kautilya's Dandaniti	2		

<p>July- December, 2020</p>						
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	<p>SEMESTER-II</p>	<p>No. of Lecture</p>	<p>SEMESTER-IV</p>	<p>No. of Lecture</p>	<p>SEMESTER-VI</p>	<p>No. of Lecture</p>
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January- June, 2021	CC2/GE-2: Political Theory	8	CC-4: Indian Government and Politics	12	DSE-1B: Understanding Globalization	12
	Chapter-6 Political parties and Pressure groups: concept and role	8	Chapter-2 a) Fundamental Rights and duties		Chapter-1 Globalization: Meaning and Debates	12
	Introduction	2	b) Directive Principles of State Policy	12	Introduction	2
	Concept of Pressure Groups	2	Fundamental rights	6	Globalization	10
	Relation between political parties and pressure groups	2	Fundamental duties	2		
	Role of pressure groups	2	Directive principle of state policy	4		

**SURI VIDYASAGGAR COLLEGE
DEPARTMENT OF POLITICAL SCIENCE**

**TEACHING PLAN OF SUBRATA KUMAR GUPTA
Political Science (General) (July 2021 – June 2022)**

	SEMESTER-I	No. of Lecture	SEMESTER-III	No. of Lecture	SEMESTER-V	No. of Lecture
July-December, 2020	CC1/GE-1: Western Political Thought	10	CC-3/GE-3: Indian Political Thought	10	DSE-1A: Select Comparative Political Thought	5
	Chapter -1 Ancient Greek Political Thought	10	Chapter-1 Ancient Indian Political Thought:: Features; Kautilya's theory of Saptanga and the concept of Dandaniti	10	Chapter-3 Indian Thought: Thinkers and Themes	5
	Introduction	2			b) Kautilya on State	
	Background	2				
	Main Philosophers	2	Introduction	2		
	Main Features	4	Main features of ancient Indian Political thought	2		
			Kautilya's Saptanga	4		
			Kautilya's Dandaniti	2		

<p>July- December, 2020</p>						
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	SEMESTER-II	No. of Lecture	SEMESTER-IV	No. of Lecture	SEMESTER-VI	No. of Lecture
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January- June, 2021	CC2/GE-2: Political Theory	8	CC-4: Indian Government and Politics	12	DSE-1B: Understanding Globalization	12
	Chapter-6 Political parties and Pressure groups: concept and role	8	Chapter-2 c) Fundamental Rights and duties		Chapter-1 Globalization: Meaning and Debates	12
	Introduction	2	d) Directive Principles of State Policy	12	Introduction	2
	Concept of Pressure Groups	2	Fundamental rights	6	Globalization	10
	Relation between political parties and pressure groups	2	Fundamental duties	2		
Role of pressure groups	2	Directive principle of state policy	4			

Department of Sanskrit
SuriVidyasagar College
Teaching Plan [July, 2020 to Dec, 2020]

Name of the Teacher	Stream	SEM-I		SEM-III		SEM-V	
		Topic	No. of Class	Topic	No. of Class	Topic	No. of Class
Prof. Shyama-prasad Mukherjee	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-A (I)Raghuvamśa: Canto-XIV (Verses: 31-68)	22	CC-6 Poetics and Literary Criticism Section-B (I) Sāhityadarpaṇa – Chapter-X (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti, Dṛṣṭānta, Nidarśanā&Arthāntarany āsa)	20	CC-12 Sanskrit Grammar: Section- B Samāsa - (Selected Sūtras upto Dvandva Compound)	35
	Gen.					DSE-1A Philosophy, Religion and Culture in Sanskrit Tradition A. The History of Vedic Literature (30 classes) B. The Social, Religious and Cultural Aspects as reflected in the Purāṇas	25
Dr. Dinesh Kr. Das	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-B Kirātārjunīya - Canto I (1-25 Verses)	34	CC-6 Poetics and Literary Criticism: Section-A (I) Vāmana'skāvyālamkārasū travṛtti – First Adhikaraṇa-- (Chapters – I, II & III) (II) Metrics – A General Concept of Sanskrit Metres and the definitions of the	35	CC -11 Vedic Literature: Section-A Ṛgvedasamhitā –(Agnisūkta-(2/6) , Indrasūkta- (2/12), Akṣasūkta-(10/34) , Devīsūkta-(10/125) Section-B (10 classes) Declension of a- stems,Vedic Subjunctive, Vedic Infinitive,The Vedic	36

				following Meters --- (IndravajrāUpendravajrā, Upajāti, Vaṁśasthāvila,Vasantatil aka, Mālinī&Mandākrāntā)		Accent & Pada-pāṭha	
	Gen.					DSE-2A	
Prof. Prodip Kr. Sarkar	Hons.	CC-2 Critical Survey of Sanskrit Literature: VaidikaSāhitya Purāṇa	10	CC -5 Classical Sanskrit Literature (Drāmā): (I)Abhijñānaśakuntala (I- V)	40	DSE-2 Elements of Linguistics – (I)Primitive Indo-European, Division of Indo-European, Discipli Indo-Iranian (Aryan),Emergence of Indo-Aryan, ne Non-Aryan Influence on Sanskrit, Vedic and Classical Specific Sanskrit. Elective (II)Some Phonetic Laws and Tendencies - Grimm’s Law,Verner’sLaw,Grassma nn’sLaw,Collitz’s Law, Assimilation, Dissimilation Metathesis, Prothesis, Epenthesis,Anaptyxis and Haplology	40
	Gen.			CC-3 Discipline - 1(Sanskrit) Sanskrit Drama: Section-A (I)Abhijñānaśakuntala (I- V)	35		
Prof. Biswajit Raj	Hons.	CC-2 Critical Survey of Sanskrit Literature Section-B The History of Sanskrit Grammar. The History of Indian Philosophy	26	SEC-1 Basic Sanskrit: Section-A Brāhmī Script Writing Section-A Brāhmī Script Writing Section-E Brahmadatta-karkaṭa-	35	DSE-1 Dramaturgy -- Sāhityadarpaṇa - Chapter- VI (Rūpaka,Nāndī,Vṛttis(with outAṁgas),Prastāvanā, ArthaprakDisciplīrti,	56

				kathā-(Aparīkṣitakāraka) –from Pañcatantra		Arthopakṣepaka, Patākāsth ānakas, Kārya, Avasthā, ne Sandhi (without Aṃgas) & Nāṭikā	
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry Kirātārjunīya - Canto I (1-25 Verses)	25				
Prof. Kakali Ch. Mishra	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-B The History of Sanskrit Literature. (Aśvaghoṣa, Kālidāsa, Bhāravi, Māgha, Bhaṭṭi, Śrīharṣa)	34	CC-3 Discipline - 1(Sanskrit) Sanskrit Drama: CC -5 Classical Sanskrit Literature (Drāmā)Section-A Section-B (I)The History of Sanskrit Literature (Drāmā) (Bhāsa, Kālidāsa, Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa)	50	CC -11 Vedic Literature: Section-C Iśopaniṣad - Whole	11
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry Section-B (II) The History of Sanskrit Literature. (Aśvaghoṣa, Kālidāsa, Bhāravi, Māgha, Bhaṭṭi, Śrīharṣa)	35	Section-B (I)The History of Sanskrit Literature Drāmā (Bhāsa, Kālidāsa , Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa)	21	SEC-III Sanskrit Composition A. Essay B. Hāsvidyakathā C. Comprehension	35
Prof. Munmun Mishra	Hons.	Section-A RāmāyaṇaMahābhārat-a CC-2 Critical Survey of Sanskrit Literature	26	CC-7 Indian Social Institution and Polity: Section-A Manusmṛhitā – Chapter-VII State Politics- (1-15), Upāyacatuṣṭaya- (106-110) & Sādḡuṇya – (161-170)	25	cc-12 Sanskrit Grammar: Section-A The Concept of the following Saṃjñās: Sūtra, Vārtika, Bhāṣya, Karm appravacanīya, Nipāta, Gati, Upasarga, Guṇa, Vṛddhi, Ṭi, Ghi, Ghu, Nadī, Upadhā and Samprasāraṇa.	20
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry: Section-A (I)Raghuvamśa: Canto-XIV (Verses: 31-68) (I)	25	CC-3 Section-B (20 classes) (I)The History of Sanskrit Literature Drāmā (Bhāsa, Kālidāsa , Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti,	20	GE-I : Indian Social Institution and Polity Section-A Manusmṛhitā – Chapter-VII State Politics- (1-15), Upāyacatuṣṭaya- (106-110) & Sādḡuṇya –	30+33

				Bhaṭṭanārāyaṇa)		(161-170) Section-B. Arthaśāstra- (Dūtapraṇidhi)	
Prof. Chandrani Agarwala	Gen.	CC -1 Sanskrit Poetry Section-A (25 classes) Kirātārjunīya - Canto I (1-25 Verses Section-B (35 classes)) (II) The History of Sanskrit Literature. (Aśvaghoṣa, Kālidāsa, Bhāravi, Māgha, Bhaṭṭi, Śrīh arṣa)	45	CC-3 (Sanskrit) Sanskrit Drama Section-A (I) Abhijñānaśakuntala (I- V) SEC-I Yogasūtra of Patañjali Yogasūtra –I (1,2 & 12-16) Yogasūtra –II (29,30,32,46,49 & 50)	45+40	DSE-II Literary Criticism I) Metrics – A General Concept of Sanskrit Metres and the definitions of the following Meters -- Indravajrā Upendravajrā, Upajāti, Varṇasasthāvila, Vasantatila ka, Mālinī & Mandākrāntā (I) Sāhityadarpaṇa – Chapter-X (30 classes) (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti, Drṣṭānta, Nidarśanā & Arthāntaranyāsa)	33+32

Department of Sanskrit
SuriVidyasagar College
Teaching Plan [January, 2021 to June, 2021]

Name of the Teacher	Stream	SEM-II		SEM-IV		SEM-VI	
		Topic	No. of Class	Topic	No. of Class	Topic	No. of Class
Prof. Shyama-prasad Mukherjee	Hons.	CC-4 Self Management in the Gītā: Section-A Śrīmadbhagavadgītā (Adhyāya-4 th)(Whole)	35	CC-10 Sanskrit and World Literature Section-A (I) Sanskrit Studies Across the World- William Jones, Charles Wilkins, H.Wilson, Max Muller, J.G.Buhler, Sri Aurobindo, DayānandaSarasvatī, HaridāsaSiddhāntavāgīśa, ŚrījīvaNyāyatīrtha,NityānadaSmṛtītīrtha, Kshitish Chandra Chatterji, Roma Chaudhuri, PañcānanaTarkaratna&RamaranjanMukherji)	54	cc-14 Sanskrit Composition and Communication (A) Case-endings and Cases-(From First Case-ending and Nominative case to Fifth case ending and Ablative case as in Siddhāntakaumudī (40 classes) (B)Translation and Comprehension. (C) Reporting	40
	Gen	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: Section-A Daśakumāracarita-(Dvijopakṛti)--- As in Sanskrit Pāṭhamālā, B.U.	32	Basic Sanskrit – Part-I Section-D Brahmaḍattakarkaṭakathā-(Aparīkṣitakāraka)-Pañcatantra	14		
Dr. Dinesh Kr. Das	Hons.	CC -3 Classical Sanskrit Literature(Prose) Course Section-A Śukanāsopadeśa- Kādambarī (As in Sanskrit Pāṭhamālā, B.U. (evaṃsamatikrāmatsu----- bhrātaraucchedyāḥ)	17	CC-9 Modern Sanskrit Literature Core Course Section-A (II)Cipiṭakacarvaṇa-ŚrījīvaNyāyatīrtha	30	CC -13 Indian Ontology and Epistemology Core Course (A)Tarkasaṃgraha – (saptapadārtha, karaṇa, pratyakṣa and sannikarṣa) (B)Vedāntasāra - (Excluding the last portion beginning with	65

						Mahāvākyaṛtha).	
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: The History of Sanskrit Literature – (Historical Kāvya)	25	Basic Sanskrit – Part-I Section-B (10 classes) Conjugations – (Bhū, Paṭh, Gam, Dṛś, Sev, Labh, Pac, Vṛt, Kṛ, Dā, Śru, Jñā - laṭ, loṭlaṅ, liṅ&Iṛṭ)	12		
Prof. Prodip Kr. Sarkar	Hons.	CC-4 Self Management in the Gītā: Section-B Selected ślokas from the Gītā 1. Meditation -Adhyāya-VI (10- 26) II. Diet Control-Adhyāya- XVII (8-10) III. Rajoguṇa- Adhyāya III (36-40)	28	SEC-2 Spoken Sanskrit Political Thought in Sanskrit Literature I. Mudrārākṣasa – (Acts-I & II) II. Arthaśāstra- Śāsanādhikāra (20 classes)	25	DSE-3 Fundamentals of Āyurveda (A) Concept of Aṣṭāṅgāyurveda. Discipli (B) Taittirīyopaniṣad – Bhṛguballī- (1-3) (30 classes)	33
	Gen.			CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar: Section-B Potential Participles, Nominal Suffixes (Matvarthīya), Causative Verbs, Desiderative Verbs, Frequentative Verbs, Indeclinable Past Participles, Use of Ktvā&Lyap.	22	GE-II Ethical Issues in Sanskrit Literature (I) Hitopadeśa –Mitrālābha (up to verse no.50) (30 classes) (II) Pañcatantra Mitrabheda Katha (Gomāyudundubhikathā) (30classes)	55
Prof. Biswajit Raj	Hons.	CC -3 Classical Sanskrit Literature(Prose) Section-B Daśakumāracarita- (Rājavāhanacarita)--- As in Sanskrit Pāṭhamālā ,BU		CC-9 Modern Sanskrit Literature Core Course Section-A Survey of Modern Sanskrit Literature in Bengal		DSE-4 Indian system of Logic Anumānakhaṇḍa&Upamā nakhada of Tarkasaṁgraha	
	Gen.			CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar: Section-A The Concept of the following Saṁjñās: Sūtra, Vārtika, Bhāṣya, Kar	35	DSE-1 From Discipline- 1B(Sanskrit) DSE-1B Select from DSE Group: Literary Criticism (30 classes) I) Metrics – A General Concept of Sanskrit	65

				mapravacanīya, Nipāta, Gati, Upasarga, Guṇa, Vṛddhi, Ṭi, Ghi, Ghu, Nadī, Upadhā and Samprasāraṇa.		Metres and the definitions of the following Meters -- Indravajrā Upendravajrā, Upajāti, Varṁsasthavila, Vasantatila ka, Mālinī & Mandākrāntā (I) Sāhityadarpaṇa – Chapter-X (30 classes) (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti, Drṣṭānta, Nidarśanā & Arthāntaranyāsa)	
Prof. Kakali Ch. Mishra	Hons.	CC -3 Classical Sanskrit Literature(Prose)Section-C (I)The History of Sanskrit Literature (Prose). (Subandhu, Daṇḍin, Bāṇabhaṭṭ)	32	CC -8 Indian Epigraphy and Chronology Section-A (I) Epigraphy-The History of Epigraphical study in India. Section-B Śilālekha- (a)Rudradāmanśilālīpi (b)Meherauli Iron Pillar Inscription of Candra	33		
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: Section-B (I)The History of Sanskrit Literature (Prose). (Subandhu, Daṇḍin, Bāṇabhaṭṭa)	31	Basic Sanskrit – Part-I Section-A Declensions (a-kārānta, i-kārānta, u-kārānta and ṛ-kārānta - Masculine, Feminine & Neuter, Pronouns & Number) Translation	10	SEC-IV Moral Values In Sanskrit Literature Section-A Dānavīraḥ Karṇaḥ (from Karṇabhāra) Section-B Śāśakasimhākathā(from Pañcatantra)	40
Prof. Munmun Mishra	Hons.	CC -3 Classical Sanskrit Literature(Prose) Section-C The History of Sanskrit Literature (Fables) (Pañcatantra, Hitopadeśa, Vetāl apañcaviṁśati, Siṅhāsana dvātrīṁśikā, Puruṣaparīkṣā)	32				
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: The History of Sanskrit	25	CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar:	14	DSE-II (I) Sāhityadarpaṇa – Chapter-X (Śleṣa, Upamā,	30

		Literature (Fables) (Pañcatantra, Hitopadeśa, Vetāl apañcaviṃśati, Siñhāsanadvātrimśikā, Puruṣaparīkṣā)		Section-C Comprehension		Rūpaka, Utpreksā, Atiśayokti, Drṣṭānta, Nidarśanā & Arthāntaranyāsa) SEC-IV Vedic Literature Section-A Ṛgvedasamhitā –(Agnisūkta-(2/6) , Indrasūkta-(2/12), Akṣasūkta-(10/34) , Devīsūkta-(10/125) Section B Iśopaniṣad	32+12
Prof. Chandrani Agarwala	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose Section-A (30 classes) Daśakumāracarita- (Dvijopakṛti)	34	SEC-II Indian Theatre Drāmatygy -- Sāhityadarpaṇa - Chapter- VI (Rūpaka, Nāndī, Vṛttis (wit hout Aṅgas), Prastāvanā, A rthaprakṛti, Arthopakṣepa ka, Patākāsthānakas, K ārya, Avasthā, Sandhi (without Aṅgas) & Nāṭikā	45	DSE-II Literary Criticism I) Metrics – A General Concept of Sanskrit Metres and the definitions of the following Meters -- Indravajrā Upendravajrā, Upajāti, Varṃsasthavila, Vasantatila ka, Mālinī & Mandākrāntā GE-II Ethical Issues in Sanskrit Literature (I) Hitopadeśa – Mitralābha (up to verse no.50) (II) Pañcatantra Mitrabheda Katha (Gomāyudundubhikathā)	30+62

Chayanprasad Agarwala
(Full Signature of the Examiner)

Biswajit Raj

Department of Sanskrit
SuriVidyasagar College
Teaching Plan [July, 2021 to Dec, 2021]

Name of the Teacher	Stream	SEM-I		SEM-III		SEM-V	
		Topic	No. of Class	Topic	No. of Class	Topic	No. of Class
Prof. Shyama-prasad Mukherjee	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-A (I)Raghuvamśa: Canto-XIV (Verses: 31-68)	30	CC-6 Poetics and Literary Criticism Section-B (I) Sāhityadarpaṇa – Chapter-X (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti, Dṛṣṭānta, Nidarśanā&Arthāntarany āsa)	25	CC-12 Sanskrit Grammar: Section- B Samāsa - (Selected Sūtras upto Dvandva Compound)	40
	Gen.					DSE-1A Philosophy, Religion and Culture in Sanskrit Tradition A. The History of Vedic Literature B. The Social, Religious and Cultural Aspects as reflected in the Purāṇas	33
Dr. Dinesh Kr. Das	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-B Kirātārjunīya - Canto I (1-25 Verses)	34	CC-6 Poetics and Literary Criticism: Section-A (I) Vāmana'skāvyālaṅkārasū travṛtti – First Adhikaraṇa-- (Chapters – I, II & III) (II) Metrics – A	42	CC -11 Vedic Literature: Section-A Ṛgvedasamhitā –(Agnisūkta-(2/6) , Indrasūkta- (2/12), Akṣasūkta-(10/34) , Devīsūkta-(10/125) Section-B (10 classes)	44

				General Concept of Sanskrit Metres and the definitions of the following Meters --- (IndravajrāUpendravajrā, Upajāti, Vaṁśasthavila,Vasantatīlaka, Mālinī&Mandākrāntā)		Declension of a-stems,Vedic Subjunctive, Vedic Infinitive,The Vedic Accent &Pada-pāṭha	
	Gen.						
Prof. Prodip Kr. Sarkar	Hons.	CC-2 Critical Survey of Sanskrit Literature: VaidikaSāhitya Purāṇa	13	CC -5 Classical Sanskrit Literature (Drāmā): (I)Abhijñānaśakuntala (I-V)	55	DSE-2 Elements of Linguistics – (I)Primitive Indo-European, Division of Indo-European, Discipline Indo-Iranian (Aryan),Emergence of Indo-Aryan, ne Non-Aryan Influence on Sanskrit, Vedic and Classical Specific Sanskrit. Elective (II)Some Phonetic Laws and Tendencies - Grimm’s Law,Verner’sLaw,Grassmann’sLaw,Collitz’s Law, Assimilation, Dissimilation Metathesis, Prothesis, Epenthesis,Anaptyxis and Haplology	50
	Gen.			CC-3 Discipline - 1(Sanskrit) Sanskrit Drama: Section-A (I)Abhijñānaśakuntala (I-V)	42		
Prof. Biswajit	Hons.	CC-2 Critical Survey of Sanskrit Literature Section-B The History of	32	CC-7 Indian Social Institution and Polity: Section-A Manuṣaṁhitā –	45	DSE-1 Dramaturgy -- Sāhityadarpaṇa - Chapter-VI	56

Raj		Sanskrit Grammar. The History of Indian Philosophy		Chapter-VII State Politics- (1-15), Upāyacatuṣṭaya- (106-110) & Sāḍguṇya – (161-170) SEC-1 Basic Sanskrit: Section-A Brāhmī Script Writing Section-A Brāhmī Script Writing Section-E Brahmadatta-karkaṭa-kathā-(Aparīkṣitakāraka) –from Pañcatantra		(Rūpaka,Nāndī,Vṛttis(without Aṅgas),Prastāvanā, ArthaprakDisciplīṛti, Arthopakṣepaka,Patākāsthānakas,Kārya,Avasthā, ne Sandhi(without Aṅgas) & Nāṭikā	
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry Kirātārjunīya - Canto I (1-25 Verses)	25				
Prof. Kakali Ch. Mishra	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-B The History of Sanskrit Literature. (Aśvaghōṣa,Kālidāsa,Bhāravi, Māgha,Bhaṭṭi,Śrīharṣa)	34	CC-3 Discipline - 1(Sanskrit) Sanskrit Drama: CC -5 Classical Sanskrit Literature (Drāmā)Section-A Section-B (I)The History of Sanskrit Literature (Drāmā) (Bhāsa, Kālidāsa, Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa)	50	CC -11 Vedic Literature: Section-C Iśopaniṣad - Whole	11
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry Section-B (II) The History of Sanskrit Literature. (Aśvaghōṣa,Kālidāsa,Bhāravi, Māgha,Bhaṭṭi,Śrīharṣa)	35	Section-B (I)The History of Sanskrit Literature Drāmā (Bhāsa, Kālidāsa ,Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa)	21	SEC-III Sanskrit Composition A. Essay B. Hāsavidyakathā C. Comprehension	35
Prof. Munmun Mishra	Hons.	Section-A RāmāyaṇaMahābhārat-a CC-2 Critical Survey of Sanskrit Literature	26	CC-7 Indian Social Institution and Polity: Section-B. Arthaśāstra- (Dūtapraṇidhi)	25	cc-12 Sanskrit Grammar: Section-A The Concept of the following Saṃjñās: Sūtra,Vārtika,Bhāṣya,Karm apravacanīya,Nipāta,Gati, Upasarga,Guṇa,Vṛddhi,Ṭi,	20

						Ghi,Ghu,Nadī,Upadhā and Samprasāraṇa.	
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry: Section-A (I)Raghuvamśa: Canto-XIV (Verses: 31-68) (I)	35			GE-I : Indian Social Institution and Polity Section-A Manusamhitā – Chapter-VII State Politics- (1-15), Upāyacatuṣṭaya- (106-110) &Sādḡuṇya – (161-170) Section-B.(30 classes) Arthaśāstra- (Dūtapraṇidhi)	56
Prof. Chandrani Agarwala	Gen.	CC -1 Sanskrit Poetry Section-A (25 classes) Kirātārjunīya - Canto I (1-25 Verses Section-B (35 classes)) (II) The History of Sanskrit Literature. (Aśvaghōṣa,Kālidāsa,Bhāravi, Māgha,Bhaṭṭi,Śrīh arṣa)	45	CC-3 (Sanskrit) Sanskrit Drama Section-A (I)Abhijñānaśakuntala (I-V) SEC-I Yogasūtra of Patañjali Yogasūtra –I (1,2 &12-16) Yogasūtra –II (29,30,32,46,49 &50)	45+40	DSE-II Literary Criticism I)Metrics – A General Concept of Sanskrit Metres and the definitions of the following Meters -- Indravajrā Upendravajrā,Upajāti, Varṃsasthavila,Vasantatila ka, Mālinī & Mandākrāntā (I) Sāhityadarpaṇa – Chapter-X (30 classes) (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti,Drṣṭānta, Nidarśanā & Arthāntaranyāsa)	33+32

Department of Sanskrit
SuriVidyasagar College
Teaching Plan [January, 2022 to June, 2022]

Name of the Teacher	Stream	SEM-II		SEM-IV		SEM-VI	
		Topic	No. of Class	Topic	No. of Class	Topic	No. of Class
Prof. Shyamaprasad Mukherjee	Hons.	CC-4 Self Management in the Gītā: Section-A Śrīmadbhagavadgītā (Adhyāya-4 th)(Whole)	35	CC-10 Sanskrit and World Literature Section-A (I) Sanskrit Studies Across the World- William Jones, Charles Wilkins, H.Wilson, Max Muller, J.G.Buhler, Sri Aurobindo, DayānandaSarasvatī, HaridāsaSiddhāntavāgīśa, ŚrījīvaNyāyatīrtha,NityānadaSmṛtītīrtha, Kshitish Chandra Chatterji, Roma Chaudhuri, PañcānanaTarkaratna&RamaranjanMukherji)	54	cc-14 Sanskrit Composition and Communication (A) Case-endings and Cases-(From First Case-ending and Nominative case to Fifth case ending and Ablative case as in Siddhāntakaumudī (40 classes) (B)Translation and Comprehension. (C) Reporting	40
	Gen	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: Section-A Daśakumāracarita-(Dvijopakṛti)--- As in Sanskrit Pāṭhamālā, B.U.	32	Basic Sanskrit – Part-I Section-D Brahmaḍattakarkaṭakathā-(Aparīkṣitakāraka)-Pañcatantra	14		
Dr. Dinesh Kr. Das	Hons.	CC -3 Classical Sanskrit Literature(Prose) Course Section-A Śukanāsopadeśa- Kādambarī (As in Sanskrit Pāṭhamālā, B.U. (evaṃsamatikrāmatu----- bhrātaraucchedyāḥ)	17	CC-9 Modern Sanskrit Literature Core Course Section-A (II)Cipiṭakacarvaṇa-ŚrījīvaNyāyatīrtha	30	CC -13 Indian Ontology and Epistemology Core Course (A)Tarkasaṃgraha – (saptapadārtha, karaṇa, pratyakṣa and sannikarṣa) (B)Vedāntasāra - (Excluding the last portion beginning with	65

						Mahāvākyaṛtha).	
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: The History of Sanskrit Literature – (Historical Kāvya)	25	Basic Sanskrit – Part-I Section-B (10 classes) Conjugations – (Bhū, Paṭh,Gam, Dṛś,Sev,Labh,Pac,Vṛt, Kṛ,Dā, Śru, Jñā - laṭ, loṭlañ,liñ&lṛṭ)	12		
Prof. Prodip Kr. Sarkar	Hons.	CC-4 Self Management in the Gītā: Section-B Selected ślokas from the Gītā 1.Meditation -Adhyāya-VI (10- 26) II. Diet Control-Adhyāya- XVII (8-10) III. Rajoguṇa- Adhyāya III (36-40)	28	SEC-2 Spoken SanskritPolitical Thought in Sanskrit Literature I.Mudrārākṣasa–(Acts-I & II) II. Arthaśāstra- Śāsanādhikāra(20 classes)	25	DSE-3 Fundamentals of Āyurveda (A)Concept of AṣṭāṅgĀyurveda. Discipli (B)Taittirīyopanīṣad – Bhṛguballī- (1-3) (30 classes)	33
	Gen.			CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar: Section-B Potential Participles, Nominal Suffixes (Matvarthīya), Causative Verbs, Desiderative Verbs, Frequentative Verbs, Indeclinable Past Participles, Use of Ktvā&Lyap.	22	GE-II Ethical Issues in Sanskrit Literature (I) Hitopadeśa –Mitrālābha (up to verse no.50) (30 classes) (II)Pañcatantra Mitrabheda Katha (Gomāyudundubhikathā) (30classes)	55
Prof. Biswajit Raj	Hons.	CC -3 Classical Sanskrit Literature(Prose) Section-B Daśakumāracarita- (Rājavāhanacarita)--- As in Sanskrit Pāṭhamālā ,BU		CC-9 Modern Sanskrit Literature Core Course Section-A Survey of Modern Sanskrit Literature in Bengal		DSE-4 Indian system of Logic Anumānakhaṇḍa&Upamā nakhada of Tarkasamgraha	
	Gen.			CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar: Section-A The Concept of the following Saṃjñās: Sūtra,Vārtika,Bhāṣya,Kar	35	DSE-1 From Discipline- 1B(Sanskrit) DSE-1B Select from DSE Group: Literary Criticism (30 classes) I)Metrics – A General Concept of Sanskrit	65

				mapravacanīya,Nipāta,Ga ti , Upasarga,Guṇa,Vṛddhi,Ṭi, Ghi,Ghu,Nadī,Upadhā and Samprasāraṇa.		Metres and the definitions of the following Meters -- Indravajrā Upendravajrā,Upajāti, Varṁsasthavila,Vasantatila ka, Mālinī & Mandākrāntā (I) Sāhityadarpaṇa – Chapter-X (30 classes) (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti,Drṣṭānta, Nidarśanā & Arthāntaranyāsa)	
Prof. Kakali Ch. Mishra	Hons.	CC -3 Classical Sanskrit Literature(Prose)Section-C (I)The History of Sanskrit Literature (Prose). (Subandhu,Daṇḍin,Bāṇabhaṭṭ)	32	CC -8 Indian Epigraphy and Chronology Section- A (I) Epigraphy-The History of Epigraphical study in India. Section-B Śilālekha- (a)Rudradāmanśilālīpi (b)Meherauli Iron Pillar Inscription of Candra	33		
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: Section-B (I)The History of Sanskrit Literature (Prose). (Subandhu, Daṇḍin, Bāṇabhaṭṭa)	31	Basic Sanskrit – Part-I Section-A Declensions (a- kārānta,i-kārānta, u- kārānta and ṛ-kārānta - Masculine,Feminine& Neuter, Pronouns & Number) Translation	10	SEC-IV Moral Values In Sanskrit Literature Section-A Dānavīraḥ Karṇaḥ (from Karṇabhāra) Section-B Śāśakasimhākathā(from Pañcatantra)	40
Prof. Munmun Mishra	Hons.	CC -3 Classical Sanskrit Literature(Prose)Section-C The History of Sanskrit Literature (Fables) (Pañcatantra,Hitopadeśa,Vetāl apañcaviṁśati,Sinhāsanaadvātr imśikā, Puruṣaparīkṣā)	32				
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: The History of Sanskrit	25	CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar:	14		

		Literature (Fables) (Pañcatantra, Hitopadeśa, Vetāl apañcaviṁśati, Sinhāsanadvātrimśikā, Puruṣaparīkṣā)		Section-C Comprehension			
Prof. Chandrani Agarwala	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose Section-A (30 classes) Daśakumāracarita- (Dvijopakṛti)	34	SEC-II Indian Theatre Drāmatuṛgy -- Sāhityadarpaṇa - Chapter- VI (Rūpaka, Nāndī, Vṛttis (wit hout Aṅgas), Prastāvanā, A rthaprakṛti, Arthopakṣepa ka, Patākāsthānakas, K ārya, Avasthā, Sandhi (without Aṅgas) & Nāṭikā	45	DSE-II Literary Criticism I) Metrics – A General Concept of Sanskrit Metres and the definitions of the following Meters -- Indravajrā Upendravajrā, Upajāti, Varṁsasthāvila, Vasantatila ka, Mālinī & Mandākrāntā GE-II Ethical Issues in Sanskrit Literature (I) Hitopadeśa – Mitralābha (up to verse no.50) (II) Pañcatantra Mitrabheda Katha (Gomāyudundubhikathā)	30+62

Shyamprasad Shukla
(Full Signature of the Examiner)

Biswajit Raj

Department of Sanskrit
SuriVidyasagar College
Teaching Plan [July, 2021 to Dec, 2021]

Name of the Teacher	Stream	SEM-I		SEM-III		SEM-V	
		Topic	No. of Class	Topic	No. of Class	Topic	No. of Class
Prof. Shyama-prasad Mukherjee	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-A (I)Raghuvamśa: Canto-XIV (Verses: 31-68)	30	CC-6 Poetics and Literary Criticism Section-B (I) Sāhityadarpaṇa – Chapter-X (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti, Dṛṣṭānta, Nidarśanā&Arthāntarany āsa)	25	CC-12 Sanskrit Grammar: Section- B Samāsa - (Selected Sūtras upto Dvandva Compound)	40
	Gen.					DSE-1A Philosophy, Religion and Culture in Sanskrit Tradition A. The History of Vedic Literature B. The Social, Religious and Cultural Aspects as reflected in the Purāṇas	33
Dr. Dinesh Kr. Das	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-B Kirātārjunīya - Canto I (1-25 Verses)	34	CC-6 Poetics and Literary Criticism: Section-A (I) Vāmana'skāvyālaṅkārasū travṛtti – First Adhikaraṇa-- (Chapters – I, II & III) (II) Metrics – A	42	CC -11 Vedic Literature: Section-A Ṛgvedasamhitā –(Agnisūkta-(2/6) , Indrasūkta- (2/12), Akṣasūkta-(10/34) , Devīsūkta-(10/125) Section-B (10 classes)	44

				General Concept of Sanskrit Metres and the definitions of the following Meters --- (IndravajrāUpendravajrā, Upajāti, Vaṁśasthavila,Vasantatīlaka, Mālinī&Mandākrāntā)		Declension of a-stems,Vedic Subjunctive, Vedic Infinitive,The Vedic Accent &Pada-pāṭha	
	Gen.						
Prof. Prodip Kr. Sarkar	Hons.	CC-2 Critical Survey of Sanskrit Literature: VaidikaSāhitya Purāṇa	13	CC -5 Classical Sanskrit Literature (Drāmā): (I)Abhijñānaśakuntala (I-V)	55	DSE-2 Elements of Linguistics – (I)Primitive Indo-European, Division of Indo-European, Discipline Indo-Iranian (Aryan),Emergence of Indo-Aryan, ne Non-Aryan Influence on Sanskrit, Vedic and Classical Specific Sanskrit. Elective (II)Some Phonetic Laws and Tendencies - Grimm’s Law,Verner’sLaw,Grassmann’sLaw,Collitz’s Law, Assimilation, Dissimilation Metathesis, Prothesis, Epenthesis,Anaptyxis and Haplology	50
	Gen.			CC-3 Discipline - 1(Sanskrit) Sanskrit Drama: Section-A (I)Abhijñānaśakuntala (I-V)	42		
Prof. Biswajit	Hons.	CC-2 Critical Survey of Sanskrit Literature Section-B The History of	32	CC-7 Indian Social Institution and Polity: Section-A Manuṣaṁhitā –	45	DSE-1 Dramaturgy -- Sāhityadarpaṇa - Chapter-VI	56

Raj		Sanskrit Grammar. The History of Indian Philosophy		Chapter-VII State Politics- (1-15), Upāyacatuṣṭaya- (106-110) & Sāḍḡuṇya – (161-170) SEC-1 Basic Sanskrit: Section-A Brāhmī Script Writing Section-A Brāhmī Script Writing Section-E Brahmadatta-karkaṭa-kathā-(Aparīkṣitakāra) –from Pañcatantra		(Rūpaka,Nāndī,Vṛttis(without Aṃgas),Prastāvanā, ArthaprakDisciplīṛti, Arthopakṣepaka,Patākāsthānakas,Kārya,Avasthā, ne Sandhi(without Aṃgas) & Nāṭikā	
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry Kirātārjunīya - Canto I (1-25 Verses)	25				
Prof. Kakali Ch. Mishra	Hons.	CC-1 Classical Sanskrit Literature(Poetry): Section-B The History of Sanskrit Literature. (Aśvaghoṣa,Kālidāsa,Bhāravi, Māgha,Bhaṭṭi,Śrīharṣa)	34	CC-3 Discipline - 1(Sanskrit) Sanskrit Drama: CC -5 Classical Sanskrit Literature (Drāmā)Section-A Section-B (I)The History of Sanskrit Literature (Drāmā) (Bhāsa, Kālidāsa, Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa)	50	CC -11 Vedic Literature: Section-C Iśopaniṣad - Whole	11
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry Section-B (II) The History of Sanskrit Literature. (Aśvaghoṣa,Kālidāsa,Bhāravi, Māgha,Bhaṭṭi,Śrīharṣa)	35	Section-B (I)The History of Sanskrit Literature Drāmā (Bhāsa, Kālidāsa ,Śūdraka, Viśākhadatta, Śrīharṣa, Bhavabhūti, Bhaṭṭanārāyaṇa)	21	SEC-III Sanskrit Composition A. Essay B. Hāsavidyakathā C. Comprehension	35
Prof. Munmun Mishra	Hons.	Section-A RāmāyaṇaMahābhārat-a CC-2 Critical Survey of Sanskrit Literature	26	CC-7 Indian Social Institution and Polity: Section-B. Arthaśāstra- (Dūtapraṇidhi)	25	cc-12 Sanskrit Grammar: Section-A The Concept of the following Saṃjñās: Sūtra,Vārtika,Bhāṣya,Karm apravacanīya,Nipāta,Gati, Upasarga,Guṇa,Vṛddhi,Ṭi,	20

						Ghi,Ghu,Nadī,Upadhā and Samprasāraṇa.	
	Gen.	CC -1 Discipline -1(Sanskrit) Sanskrit Poetry: Section-A (I)Raghuvamśa: Canto-XIV (Verses: 31-68) (I)	35			GE-I : Indian Social Institution and Polity Section-A Manusamhitā – Chapter-VII State Politics- (1-15), Upāyacatuṣṭaya- (106-110) &Sādḡuṇya – (161-170) Section-B.(30 classes) Arthaśāstra- (Dūtapraṇidhi)	56
Prof. Chandrani Agarwala	Gen.	CC -1 Sanskrit Poetry Section-A (25 classes) Kirātārjunīya - Canto I (1-25 Verses Section-B (35 classes)) (II) The History of Sanskrit Literature. (Aśvaghōṣa,Kālidāsa,Bhāravi, Māgha,Bhaṭṭi,Śrīh arṣa)	45	CC-3 (Sanskrit) Sanskrit Drama Section-A (I)Abhijñānaśakuntala (I-V) SEC-I Yogasūtra of Patañjali Yogasūtra –I (1,2 &12-16) Yogasūtra –II (29,30,32,46,49 &50)	45+40	DSE-II Literary Criticism I)Metrics – A General Concept of Sanskrit Metres and the definitions of the following Meters -- Indravajrā Upendravajrā,Upajāti, Varṃsasthavila,Vasantatila ka, Mālinī & Mandākrāntā (I) Sāhityadarpaṇa – Chapter-X (30 classes) (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti,Drṣṭānta, Nidarśanā & Arthāntaranyāsa)	33+32

Department of Sanskrit
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Teaching Plan [January, 2022 to June, 2022]

Name of the Teacher	Stream	SEM-II		SEM-IV		SEM-VI	
		Topic	No. of Class	Topic	No. of Class	Topic	No. of Class
Prof. Shyamaprasad Mukherjee	Hons.	CC-4 Self Management in the Gītā: Section-A Śrīmadbhagavadgītā (Adhyāya-4 th)(Whole)	35	CC-10 Sanskrit and World Literature Section-A (I) Sanskrit Studies Across the World- William Jones, Charles Wilkins, H.Wilson, Max Muller, J.G.Buhler, Sri Aurobindo, DayānandaSarasvatī, HaridāsaSiddhāntavāgīśa, ŚrījīvaNyāyatīrtha,NityānadaSmṛtītīrtha, Kshitish Chandra Chatterji, Roma Chaudhuri, PañcānanaTarkaratna&RamaranjanMukherji)	54	cc-14 Sanskrit Composition and Communication (A) Case-endings and Cases-(From First Case-ending and Nominative case to Fifth case ending and Ablative case as in Siddhāntakaumudī (40 classes) (B)Translation and Comprehension. (C) Reporting	40
	Gen	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: Section-A Daśakumāracarita-(Dvijopakṛti)--- As in Sanskrit Pāṭhamālā, B.U.	32	Basic Sanskrit – Part-I Section-D Brahmaḍattakarkaṭakathā-(Aparīkṣitakāraka)-Pañcatantra	14		
Dr. Dinesh Kr. Das	Hons.	CC -3 Classical Sanskrit Literature(Prose) Course Section-A Śukanāsopadeśa- Kādambarī (As in Sanskrit Pāṭhamālā, B.U. (evaṃsamatikrāṃatsu----- bhrātaraucchedyāḥ)	17	CC-9 Modern Sanskrit Literature Core Course Section-A (II)Cipiṭakacarvaṇa-ŚrījīvaNyāyatīrtha	30	CC -13 Indian Ontology and Epistemology Core Course (A)Tarkasaṃgraha – (saptapadārtha, karaṇa, pratyakṣa and sannikarṣa) (B)Vedāntasāra - (Excluding the last portion beginning with	65

						Mahāvākyaṛtha).	
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: The History of Sanskrit Literature – (Historical Kāvya)	25	Basic Sanskrit – Part-I Section-B (10 classes) Conjugations – (Bhū, Paṭh, Gam, Dṛś, Sev, Labh, Pac, Vṛt, Kṛ, Dā, Śru, Jñā - laṭ, loṭlaṅ, liṅ&Iṛṭ)	12		
Prof. Prodip Kr. Sarkar	Hons.	CC-4 Self Management in the Gītā: Section-B Selected ślokas from the Gītā 1. Meditation -Adhyāya-VI (10- 26) II. Diet Control-Adhyāya- XVII (8-10) III. Rajoguṇa- Adhyāya III (36-40)	28	SEC-2 Spoken Sanskrit Political Thought in Sanskrit Literature I. Mudrārākṣasa – (Acts-I & II) II. Arthaśāstra- Śāsanādhikāra (20 classes)	25	DSE-3 Fundamentals of Āyurveda (A) Concept of Aṣṭāṅgāyurveda. Discipli (B) Taittirīyopaniṣad – Bhṛguballī- (1-3) (30 classes)	33
	Gen.			CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar: Section-B Potential Participles, Nominal Suffixes (Matvarthīya), Causative Verbs, Desiderative Verbs, Frequentative Verbs, Indeclinable Past Participles, Use of Ktvā&Lyap.	22	GE-II Ethical Issues in Sanskrit Literature (I) Hitopadeśa –Mitrālābha (up to verse no.50) (30 classes) (II) Pañcatantra Mitrabheda Katha (Gomāyudundubhikathā) (30classes)	55
Prof. Biswajit Raj	Hons.	CC -3 Classical Sanskrit Literature(Prose) Section-B Daśakumāracarita- (Rājavāhanacarita)--- As in Sanskrit Pāṭhamālā ,BU		CC-9 Modern Sanskrit Literature Core Course Section-A Survey of Modern Sanskrit Literature in Bengal		DSE-4 Indian system of Logic Anumānakhaṇḍa&Upamā nakhada of Tarkasamgraha	
	Gen.			CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar: Section-A The Concept of the following Saṃjñās: Sūtra, Vārtika, Bhāṣya, Kar	35	DSE-1 From Discipline- 1B(Sanskrit) DSE-1B Select from DSE Group: Literary Criticism (30 classes) I) Metrics – A General Concept of Sanskrit	65

				mapravacanīya,Nipāta,Ga ti , Upasarga,Guṇa,Vṛddhi,Ṭi, Ghi,Ghu,Nadī,Upadhā and Samprasāraṇa.		Metres and the definitions of the following Meters -- Indravajrā Upendravajrā,Upajāti, Varṁsasthavila,Vasantatila ka, Mālinī & Mandākrāntā (I) Sāhityadarpaṇa – Chapter-X (30 classes) (Śleṣa, Upamā, Rūpaka, Utprekṣā, Atiśayokti,Drṣṭānta, Nidarśanā & Arthāntaranyāsa)	
Prof. Kakali Ch. Mishra	Hons.	CC -3 Classical Sanskrit Literature(Prose)Section-C (I)The History of Sanskrit Literature (Prose). (Subandhu,Daṇḍin,Bāṇabhaṭṭ)	32	CC -8 Indian Epigraphy and Chronology Section- A (I) Epigraphy-The History of Epigraphical study in India. Section-B Śilālekha- (a)Rudradāmanśilālīpi (b)Meherauli Iron Pillar Inscription of Candra	33		
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: Section-B (I)The History of Sanskrit Literature (Prose). (Subandhu, Daṇḍin, Bāṇabhaṭṭa)	31	Basic Sanskrit – Part-I Section-A Declensions (a- kārānta,i-kārānta, u- kārānta and ṛ-kārānta - Masculine,Feminine& Neuter, Pronouns & Number) Translation	10	SEC-IV Moral Values In Sanskrit Literature Section-A Dānavīraḥ Karṇaḥ (from Karṇabhāra) Section-B Śāśakasimhakatā(from Pañcatantra)	40
Prof. Munmun Mishra	Hons.	CC -3 Classical Sanskrit Literature(Prose)Section-C The History of Sanskrit Literature (Fables) (Pañcatantra,Hitopadeśa,Vetāl apañcaviṁśati,Sinhāsanaadvātr iṁśikā, Puruṣaparīkṣā)	32				
	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose: The History of Sanskrit	25	CC -4 Discipline - 1(Sanskrit) Sanskrit Grammar:	14		

		Literature (Fables) (Pañcatantra, Hitopadeśa, Vetāl apañcaviṁśati, Sinhāsanadvātrimśikā, Puruṣaparīkṣā)		Section-C Comprehension			
Prof. Chandrani Agarwala	Gen.	CC-2 Discipline -1(Sanskrit) Sanskrit Prose Section-A (30 classes) Daśakumāracarita- (Dvijopakṛti)	34	SEC-II Indian Theatre Drāmatuṛgy -- Sāhityadarpaṇa - Chapter- VI (Rūpaka, Nāndī, Vṛttis (wit hout Aṅgas), Prastāvanā, A rthaprakṛti, Arthopakṣepa ka, Patākāsthānakas, K ārya, Avasthā, Sandhi (without Aṅgas) & Nāṭikā	45	DSE-II Literary Criticism I) Metrics – A General Concept of Sanskrit Metres and the definitions of the following Meters -- Indravajrā Upendravajrā, Upajāti, Varṁsasthāvila, Vasantatila ka, Mālinī & Mandākrāntā GE-II Ethical Issues in Sanskrit Literature (I) Hitopadeśa – Mitralābha (up to verse no.50) (II) Pañcatantra Mitrabheda Katha (Gomāyudundubhikathā)	30+62

Shyamprasad Shukla
(Full Signature of the Examiner)

Biswajit Raj

DEPARTMENT OF MASS COMMUNICATION & JOURNALISM

TEACHING PLAN OF PRATICK KABIRAJ (2021-2022)

MONTH	SEM -I (H)	NO. OF LECTURE	SEM-III(H)	NO. OF LECTURE	SEM-V (H)	NO. OF LECTURE
JULY	CC-1 UNDERSTANDING THE STRUCTURE AND CONSTRUCTION OF NEWS ORGANIZING A NEW STORY UNIT-3	7	CC-8 HISTORY OF TELEVISION, INVENTION TO TELECAST UNIT-1	8	CC-11 MEDIA AND INTERNATIONAL COMMUNICATION A BRIEF OVERVIEW UNIT-1	10
AUGUST	CC-1 NEWS WORTHINESS, PRINCIPLE OF NEW SELECTION AND STRUCTURE OF NEWS WRITING UNIT-3	8	CC-8 TELEVISION IN INDIA. NATIONWIDE NETWORK FORMATION, BCI, COMMUNITY TELEVISION, SIT, P5B UNIT-1	12	CC-11 PROPAGANDA IN THE INTER WAR YEARS, NAZI PROPAGANDA, RADIO AND INTERNATIONAL COMMUNICATION UNIT-1 COLD WAR UNIT-2	12
SEPTEMBER	CC-1 SOURCE OF NEWS, USE OF ARCHIVES, AND INTERNET UNIT-3	6	CC-6 DIFFERENT TYPES OF TV CHANNELS, DD VS SATELLITE CHANNEL UNIT-2 BASIC CAMERA SHOTS UNIT-3	10	CC-11 VIETNAM WAR, USSR, RADIO FREE EUROPE, RADIO LIBERTY, VOICE OF AMERICA, COMMUNICATION DEBATES UNIT-2	15
OCTOBER	CC-1 DIFFERENT MEDIUM A COMPARISON, PRINCIPLE OF SOFT WRITING UNIT-4	4	CC-6 CAMERA ANGLE, MOVEMENT, VISUAL GRAMMAR, FOCUSING VISUAL PERSPECTIVE UNIT-3	7	CC-11 NWICO, UNESCO, NAM, MCBRIDE COMMISSION, NORTH-SOUTH, POOR-RICH UNIT-2	8
NOVEMBER	CC-1 DIFFERENCE BETWEEN DIFFERENT MEDIUM, CITIZEN JOURNALISM UNIT-4 CC-2 HYPODERMIC NEEDLE THEORY, AGENDA SETTING, PROPAGANDA, SPIRAL OF SILENCE UNIT-4	15	CC-6 TELEVISION NEWSROOM, WRITING TECHNIQUES, WRITING TECHNIQUES PRACTICAL, ENG, ERP, NEWS ROOM PERSONAL DUTIES AND RESPONSIBILITIES UNIT-4	17	CC-11 RISE OF AL JAZEERA, THE GULF WARS, CNN, EMBEDDED JOURNALISM, 9/11 INCIDENT UNIT-3 CULTURAL IMPERIALISM, MEDIA HEGEMONY UNIT-4	10

Pratck Kabiraj

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MONTH	CC-2 CULTIVATION ANALYSIS,ALTERNATIVE PARADIGM UNIT-4	5	CC-8 TELEVISION PROGRAMME, CHARACTER OF TELEVISION NEWS, NEWS AS EVENT AND CONSTRUCTION UNIT-5	6	CC-13 MEDIA AND THE GLOBAL MARKET, MEDIA CONGLOMERATES LOCAL AND GLOBAL PROGRAMMES UNIT-5	5
	SEM-II (H)	NO. OF LECTURE	SEM-IV (H)	NO. OF LECTURE	SEM-VI (H)	NO. OF LECTURE
JANUARY	CC-3 THE NEWS PAPER NEWS ROOM, ORGANIZATIONAL SETUP, EDITORIAL DEPARTMENT, HEADLINES WRITING, TYPOGRAPHY, PRACTICAL-STYLE SHEET UNIT-3	15	CC-8 CONCEPT OF NEW MEDIA, INFORMATION SOCIETY, CMC, NETWORK SOCIETY UNIT-1	10	CC-14 MEDIA MANAGEMENT CONCEPT AND PERSPECTIVE, ORIGIN AND GROWTH, FUNDAMENTALS OF MANAGEMENT, MANAGING SCHOOL OF THOUGHT UNIT-1	10
FEBRUARY	CC-3 PHOTO EDITING, ROLE AND RESPONSIBILITY, EDITING PERSONALITY, EDITORIAL PAGE DESIGN, STRUCTURE PURPOSE UNIT-3	6	CC-8 DIGITAL JOURNALISM, REMEDIATION AND NEW MEDIA TECHNOLOGY, ONLINE COMMUNITIES, UGC, WEB 2.0 UNIT-2	10	CC-14 MEDIA INDUSTRY ISSUE AND CHALLENGES, TAM, TRP, BARC, HITS, MARKET SHIFTS, OWNERSHIP PATTERN, GOVERNMENT MEDIA INTERFACE UNIT-2	15
MARCH	CC-3 MIDDLES, LETTER TO THE EDITOR, SPECIAL ARTICLE, OPINION PIECES, OP. ED UNIT-3	5	CC-8 NETWORK JOURNALISM, ALTERNATIVE JOURNALISM UNIT-2 DIGITALIZATION OF JOURNALISM UNIT-3	7	CC-14 STRUCTURE OF NEWS MEDIA, ORGANIZATION IN INDIA, ROLE AND RESPONSIBILITY AND HIERARCHY, WORKFLOW AND NEEDS OF MANAGEMENT, SHIFT PATTERN, CIRCULATION AND GUIDE LINE UNIT-3	12
APRIL	CC-3 WEEK-END PULL OUTS, SUPPLEMENTS, BACKGROUNDERS, COLUMNS OR COLUMNISTS UNIT-4	5	CC-8 AUTHORSHIP IN DIGITAL AGE, PIRACY, COPY WRITE, COPY LEFT AND OPEN SOURCE, DIGITAL ARCHIVES, NEW MEDIA ETHICS UNIT-3	12	CC-14 MEDIA ECONOMICS, STRATEGIC MANAGEMENT, CAPITAL INFLOW, BUDGETING, FINANCIAL MANAGEMENT, PERSONAL MANAGEMENT UNIT-4	12

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MAY	CC-4 INDIA TELEGRAPY ACT, PRESS AND BOOK REGISTRATION ACT, ADAMS GAG, VARNACULAR PRESS ACT UNIT-4	5	CC-8 PRACTICAL WEB WRITING, LINEAR AND NON LINEAR WRITING, CONTEXTUALIZED JOURNALISM, STORY TELLING STRUCTURES UNIT-4	15	CC-14 MARKET FORCES, FDI UNIT-4 CIRCULATION MANAGEMENT PROCESS AND EVALUATION, MEDIA AUDIENCES AND CREDIBILITY UNIT-5	7
JUNE	CC-4 ADOPTION OF NEW EDITORIAL POLICY, CORPORATIZATION OF INDIAN NEWS PAPER UNIT-4	4	CC-8 VISUAL AND CONTENT DESIGN, WEBSITE PLANNING, BLOGGING UNIT-5	6	CC-14 PAID NEWS, LOBBYING, PRESSURE GROUP INFLUENCE INDIAN AND INTERNATIONAL MEDIA GIANTS UNIT-5	4

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**TEACHING PLAN (HONS. & GENL.) OF FACULTY MEMBERS OF DEPARTMENT OF PHYSIOLOGY FOR
SESSION 2021-2022**

DEPARTMENT OF PHYSIOLOGY

TEACHING PLAN

DR. AMAL KUMAR PARI

Physiology (Honours) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture	
Jul	<p>Theory: CC2: A Study of Units for Measuring Concentration of Solute: Moles, Equivalent, Osmoles</p> <p>Principles of Dilution, pH, Buffers Proteolysis of water, pH, acid-base neutralization curves</p> <p>Bonds and Forces in Biomolecules</p> <p>Colloids, Properties, importance Colloids: Classification, properties—optical, electrical, electro kinetic. Biological importance of colloids</p> <p>Practical:</p> <p>CC2: Determination of Oncotic Solution Colloidal solutions</p>	8	<p>Theory CC6: Origin of the Heartbeat & the Electrical Activity of the heart</p> <p>Introduction</p> <p>Origin & Spread Of Cardiac Excitation</p> <p>Cardiac action potential. Origin and propagation of cardiac impulse. The Electrocardiogram</p> <p>Electrocardiography –the normal electrocardiogram, electrocardiographic leads, vectorial analysis, the vectorcardiogram, the mean electrical axis of heart. The His bundle electrogram. Cardiac Arrhythmias</p> <p>Cardiac Arrhythmias – Normal cardiac rate. Myocardial Infarctions. Cardioplegic solutions. Electrocardiographic Findings in Other Cardiac & Systemic Diseases, hypertrophy and cardiac myopathy</p> <p>Practical CC7: Experiments on superficial (plantar) and deep (knee jerk) reflex Measurement of grip strength</p> <p>Theory SEC1A: Detection of food additives/ adulterants Qualitative tests for Food Adulteration Qualitative test for identifying Food Adulterants in some food samples: Metanil yellow, Rhodamin B, Saccharin.</p>	8	<p>Theory CC11:</p> <p>Introduction Anatomic Considerations The Image-Forming Mechanism (accommodation and visual acuity) The Photoreceptor Mechanism: Genesis of Electrical Responses Visual Pathways and effects of lesions of these pathways</p> <p>Practical:</p> <p>Measurement of blood pressure before and after different grades of exercise.</p> <p>Recording of recovery heart-rate after standard exercise.</p>	8	4
		2		4			
				3			

<p>Aug</p>	<p>Theory: CC2: Surface tension, Specific Gravity Surface tension and Specific Gravity: characteristics, factors influencing and biological applications Viscosity and Resistance Viscosity and Resistance characteristics, factors influencing and biological applications Acids, Bases, Buffers and pH Buffer action: Henderson-Hasselbalch equation. Regulation of pH by blood buffers. Determination of pH– Basic concept of indicators, principle of pH meter- hydrogen electrode and glass electrode Flow and Pressure Diffusion and Osmosis: osmotic pressure– laws. Practical: CC2: Determination of enzyme activities (eg. SOD, CAT)</p>	<p>8</p> <p>Theory CC6: The Heart as a Pump Introduction Anatomy of the heart. Properties of cardiac muscle. Cardiac Innervation. Stannius ligature. Mechanical Events of the Cardiac Cycle The cardiac cycle- pressure and volume changes. Heart sounds. Murmurs. Cardiac Output Cardiac output– measurement by application of Fick’s principle and dye dilution method, factors affecting. Starling’s law of heart. Dynamics of Blood & Lymph Flow Introduction Anatomic Considerations Functional morphology of arteries, arterioles, capillaries, venules and veins, sinusoids. General pattern of circulation and significance of branching of blood vessels. Biophysical Considerations Hemodynamics of blood flow. Arterial & Arteriolar Circulation Capillary Circulation Lymphatic Circulation & Interstitial Fluid Volume Venous Circulation Practical CC7: Reaction time by stick drop test Short term memory test (shape, picture word) Theory SEC1A: Qualitative test for identifying Food Adulterants in some food samples: Monosodium glutamate, Aluminium foil, Chicory.</p> <p>4</p>	<p>9</p> <p>Theory DSE2B: Color Vision Other Aspects of Visual Function Eye Movements Errors in visual process Practical: DSE2B: Determination of Physical Fitness Index by Harvard Step Test (Modified). Determination of VO2max by Queen College step test.</p> <p>4</p> <p>3</p>	<p>8</p> <p>4</p>
<p>Sept</p>	<p>Theory: CC2: Dialysis and Ultracentrifugation Chromatography Electrophoresis Autoradiography Cell Fractionation and Tracer Techniques Nanoparticles and its application in Physiology Practical: CC2: Practice Determination of Oncotic Solution Colloidal solutions</p>	<p>8</p> <p>Theory CC6: Cardiovascular regulatory Mechanisms Introduction Local Regulatory Mechanisms Cardiac and vasomotor centers, baroreceptors and chemoreceptors, cardiac and vasomotor reflexes. Substances Secreted by the Endothelium Systemic Regulation by Hormones Systemic Regulation by the Nervous System 2 Cardiovascular homeostasis–neural and chemical control of cardiac functions and blood vessels. Circulation Through special Regions Introduction Cerebral Circulation Anatomic Considerations Cerebrospinal Fluid The Blood-Brain barrier Cerebral Blood Flow Regulation of Cerebral Circulation Brain Metabolism & Oxygen Requirements Practical CC7: Two point discrimination test Theory SEC1A: Qualitative test for identifying</p>	<p>8</p> <p>Theory DSE2B: Importance of regular exercise in health and wellbeing. Basic concept of Bioenergetics, Energy sources during exercise (Phosphagen, Anaerobic system and Aerobic system). Cardio-respiratory responses during different grades of exercise. Practical: DSE2B: Measurement of body fat percentage. Six minute walk test.</p> <p>4</p> <p>2</p> <p>3</p>	<p>8</p> <p>4</p>

			FoodAdulterants in some food samples: Bisphenol A and Bisphenol S, Chocolate Brown HT, Margarine			
Oct	<p>Theory: CC2: Laminar and Streamline Flow Poiseuille- Hagen Formula Laws of Laplace</p> <p>Practical: CC2: Practice Determination of enzyme activities (SOD).</p>	<p>6</p> <p>2</p>	<p>Theory CC6: Coronary Circulation Splanchnic Circulation Circulation of the skin Placental & Fetal Circulation</p> <p>Practical CC7: Practice Experiments on superficial (plantar) and deep (knee jerk) reflex Measurement of grip strength</p> <p>Theory SEC1A: Qualitative test for identifying FoodAdulterants in some fo Pb, Hg, As, PCB, Dioxin etc in turmeric powder, besan, laddood</p>	<p>8</p> <p>4</p> <p>3</p>	<p>Theory DSE2B: Concept of excess post exercise oxygen consumption (EPOC), physiological fatigue and recovery.</p> <p>Aerobic work Capacity: Measurement, physiological factors and applications</p> <p>Sports injury and its' management.</p> <p>Practical: DSE2B: Determination of endurance time by hand grip dynamometer</p>	<p>6</p> <p>4</p>
Nov	<p>Theory: CC2: Thermodynamics Thermodynamics: Type of surroundings and systems, First Law–Internal energy, enthalpy. Second Law–Entropy, Free energy change, Endergonic and Exergonic reactions, Reversible and Irreversible processes, Equilibrium constant Physiological steady-state, Living body as a Thermodynamic system</p> <p>Practical: Practice Determination of enzyme activities (CAT)</p>	<p>5</p> <p>2</p>	<p>Theory CC6: Cardiovascular Homeostasis in Health & Disease Introduction Compensation for Gravitational Effects Exercise Inflammation & Wound Healing Shock Cardiovascular adjustment after haemorrhage. Hypovolemic and hypervolemic shock. RTI and atherosclerosis. Hypertension The pulse – arterial and venous. Blood pressure– its measurement and factors affecting. Heart Failure, stroke</p> <p>Practical CC7: Practice Two point discrimination test</p> <p>Theory SEC1A: Qualitative test for identifying FoodAdulterants in some fo Pb, Hg, As, PCB, Dioxin etc in , noodles, chocolate and amriti.</p>	<p>8</p> <p>2</p> <p>4</p>	<p>Theory DSE2B: Training: Principles of physical training, Training to improve aerobic and anaerobic power. Effect of overtraining and detraining. Nutritional supplements and ergogenic aids. Basic idea sports rehabilitation and sports medicine.</p> <p>Practical: DSE2B: Determination of endurance time by hand grip dynamometer</p>	<p>8</p> <p>2</p>
Dce	<p>Theory: CC2: Revision</p> <p>Practical Practice</p> <p>Examination</p>	<p>4</p> <p>4</p>	<p>Theory CC6: Revision</p> <p>Practical Practice</p> <p>Theory SEC1A: Revision</p> <p>Examination</p>	<p>4</p> <p>4</p> <p>3</p>	<p>Theory DSE2B: Revision</p> <p>Practical Practice</p> <p>Examination</p>	<p>4</p> <p>4</p>

Feb	<p>Theory CC4: Structure of Proteins Structure and properties of peptide bonds--Phi and Psi angles. Different levels of protein structure-- Primary, Secondary (α-helix and β-pleated sheet), Tertiary and Quaternary. Forces stabilizing the structures.</p> <p>Practical: CC4: Qualitative tests for the identification of physiologically important substances: Uric Acid, Glucose</p>	<p>6</p> <p>Theory CC8: Basal metabolic rate-factors, determination by Benedict-Roth apparatus</p> <p>4</p> <p>Practical: CC8: Quantitative estimation of amino nitrogen (Sorensen's formol titration method [percentage as well as total quantity to be done]).</p> <p>Theory SEC2B: Determination of hematocrit, MCV, MCH, MCHC</p>	<p>6</p> <p>Theory DSE3A: Dietary requirements of carbohydrate, protein, lipid and other nutrients.</p> <p>4</p> <p>Balanced diet and principles of formulation of balanced diets for growing child, adult man and woman, pregnant woman and lactating woman.</p> <p>2</p> <p>Nitrogen balance, essential amino acids, biological value of proteins.</p> <p>Supplementary value of protein.</p> <p>Protein efficiency ratio and net protein utilization of dietary proteins.</p> <p>Practical: DSE3A: Practice Diet Survey (Field Study Record) Diet survey report (hand-written) of a family (as per ICMR specification): Each student has to submit a report on his/her own family.</p>	<p>10</p> <p>2</p>
Mar	<p>Theory CC4: Properties of Proteins Protonic equilibria of Amino acids-- Zwitterions, Isoelectric point, titration curve of amino acids. Reactions with ninhydrin and formaldehyde. Reactions with Sanger's and Edman's reagent. Biuret reaction.</p> <p>Practical: CC4: Practice</p>	<p>6</p> <p>Theory CC8: Biological value of proteins – measurement and factors affecting. Proteins spacers. Supplementary value of protein.</p> <p>Practical: CC8: Estimation of percentage quantity of lactose in milk by Benedict's method.</p> <p>2</p> <p>Theory SEC2B: Determination of bleeding time, clotting time</p>	<p>4</p> <p>Theory DSE3A: Dietary fibres.</p> <p>Vitamins</p> <p>4</p> <p>2</p>	<p>8</p>
Apr	<p>Theory CC4: Denaturation and Renaturation. Functions of Proteins, Physiological importance of proteins.</p> <p>Practical: CC4: Qualitative tests for the identification of physiologically important substances: Galactose, Fructose</p>	<p>6</p> <p>Theory CC8: Protein efficiency ratio and net protein utilization of dietary proteins.</p> <p>Practical: CC8: Practice Quantitative estimation of glucose and sucrose by Benedict's method.</p> <p>4</p> <p>Theory SEC2B: Measurement of hemoglobin in blood. Preparation of serum</p>	<p>4</p> <p>Theory DSE3A: Principle of diet survey.</p> <p>Composition and nutritional value of common food stuffs.</p> <p>4</p> <p>Physiology of starvation and obesity.</p> <p>2</p>	<p>8</p>
May	<p>Theory CC4: DNA and RNAs Structure of DNA and RNA Types of DNA and RNA Functions of DNA and RNA</p> <p>Practical: CC4: Practice</p>	<p>6</p> <p>Theory CC8: Dietary fibres</p> <p>Practical: CC8: Practice Quantitative estimation of amino nitrogen (Sorensen's formol titration method [percentage as well as total quantity to be done]).</p> <p>2</p> <p>Theory SEC2B: Estimation of SGOT and SGPT.</p>	<p>6</p> <p>Theory DSE4: Sources and physiological significances of vitamins and minerals.</p> <p>4</p> <p>Space nutrition.</p> <p>4</p>	<p>8</p>

June	Theory CC4: Revision	4	Theory CC8: Revision	4	Theory DSE3A: Revision	4
	Practical Practice	4	Practical Practice	4	Practical Practice	4
	Examination		Theory SEC2B: Revision	2	Examination	
			Examination			

Deblina Ball

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**DEPARTMENT OF
PHYSIOLOGY**

TEACHING PLAN

DR. AMAL KUMAR PARI

Physiology (General/generic) (July2021– June 2022)

Month	Sem-I (G/GE)	No. of lecture
July	Theory: CC1A: Lipids: Definition and classification. Fatty acids Classification.	2
Aug	Theory: CC1A: Properties of Fat and Fatty acids—Hydrolysis,Saponification, Saponification number, Iodine number, Hydrogenation, Rancidity-Acid number.	3
Sep	Theory: CC1A: Phospholipids, Cholesterol & its ester - physiological importance.	2
Oct	Theory: CC1A: Amino acids, Peptides and Proteins	2
Nov	Theory: CC1A: Classification and structure. Structure of peptide bonds.	2
Dec	Theory: CC1A: Revision Examination	2

Month	Sem-II (G/GE)	No. of lecture	Sem-VI (G/GE)	No. of lecture
Jan	Theory: CC1B: Basic constituents of food and their nutritional significance. Vitamins: Definition, classification, functions, deficiency symptoms and their daily requirement. Hypervitaminosis	3	Theory: SEC1A: Basic idea of doping	2
Feb	Theory: CC1B: Mineral metabolism- Ca, P, Fe	3	Theory: SEC1A: EMG	1
March	Theory: CC1B: BMR: Definition, factors affecting, determination by Benedict –Roth apparatus. Respiratory quotient: definition, factors affecting and significance	3	Theory: SEC1A: Physical fitness index-Harvard step test	1
April	Theory: CC1B: Biological value of proteins, essential and non-essential amino acids, nitrogen equilibrium Minimum protein requirement: positive and negative nitrogen balance.	2	Theory: SEC1A: ECG- Normal waves and leads	2
May	Theory: CC1B:	2	Theory: SEC1A:	1

	SDA: definition and importance		Anthropometry and its uses	
June	Theory: CC1B: Revision Examination	2	Theory: SEC1A: Revision Examination	2

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DEPARTMENT OF PHYSIOLOGY

TEACHING PLAN

DR. ARIJIT DEBNATH

Physiology (Honours) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	<p>Theory: CC2: A Study of Enzymes</p> <p>Structures, coenzymes and Prosthetic Groups</p> <p>Classification- EC nomenclature, Concept of apoenzyme, holoenzyme, coenzyme, cofactors and prosthetic group. Mechanism of Enzyme Action</p> <p>Mechanism of enzyme action: Activation energy, Enzyme-substrate complex, Transition state and Products. Models of enzyme-substrate interactions. Specificity of enzymes. Kinetics Concept of initial rate, maximum velocity and steady-state kinetics.</p> <p>Practical: CC2: Determination of Systolic, Diastolic, Pulse and Mean Blood Pressure by noninvasive methods (Auscultatory method).</p>	8	<p>Theory CC5:</p> <p>Red Blood Cells Haemoglobin- Structure, reactions, biosynthesis and catabolism. Foetal haemoglobin. Abnormal haemoglobins- Sickle-cell anemia and Thalassemia. Different types of anaemia and their causes.</p> <p>Practical CC7: Introduction Preparation of Amphibian Ringer solution Kymographic recording of the movements of perfused heart of toad.</p>	8	<p>Theory CC11: Introduction Anatomic considerations Hair cells</p> <p>CC12: Practical: Introduction Preparation of mammalian Ringer solution</p>	8
Aug	<p>Theory: CC2: Michaelis Constant</p> <p>Michaelis constant, Michaelis-Menten equation, Graphical representation of hyperbolic kinetics--Lineweaver-Burk plot. Significance of Km and V_{max}.</p> <p>Practical: CC2: Determination of Systolic, Diastolic, Pulse and Mean Blood Pressure by noninvasive methods (Auscultatory method).</p>	8	<p>Theory CC5: Blood Types</p> <p>Blood group – ABO and Rh. Erythroblastosis foetalis. Blood transfusion and its hazards.</p> <p>Practical CC7: Study of the effects of changes in perfusion fluid pressure, changes in temperature.</p>	8	<p>Theory CC11: Mechanism of hearing Vestibular function Loss of hearing</p> <p>CC12: Practical: Study of the effects of oxytocin on uterine contraction</p>	6

Jan	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	Theory CC3: Cardiac Muscle Morphology Microscopic and electron microscopic structure of cardiac muscles. Electrical Properties Mechanical Properties Metabolism Neurotransmitters, co transmitters and neuromodulators Practical: CC3: Isolation and staining of staining of nerve fibers with node (s) of Ranvier (AgNO ₃) and muscle fiber (H and E). Preparation of Sciatic nerve innervated Gastrocnemius muscle of toad.	8	Theory CC10: Pulmonary Function Introduction Properties of Gases Anatomy of the Lungs Mechanics of breathing Gas Exchange in the lungs Practical: CC9: Kymographic recording of normal movements of rat's intestine in Dale's apparatus	8	Theory CC14: Renal Circulation peculiarities and autoregulation Diuretics Disorders of Renal Functions Diabetes insipidus. Practical: DSE4A: Kymographic recording of the effects of As compounds on: the contraction of perfused heart of toad and the intestinal movements of rats in Dale's bath.	8
		6		4		6

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Feb	<p>Theory CC3: Pacemaker Tissue Smooth Muscle Morphology Microscopic and electron microscopic structure of smooth muscles. Single-unit and multi-unit smooth muscle Visceral smooth Muscle Multi- unit Smooth Muscle</p> <p>Practical: CC3: Study of Kymograph, Induction coil, Key and other instruments used to study mechanical responses of skeletal muscle.</p> <p>Kymographic recording of mechanical responses of Gastrocnemius muscle to a single stimulus and two successive stimuli.</p>	<p>8</p> <p>6</p>	<p>Theory CC10: Pulmonary Circulation Other Functions of the Respiratory System Gas Transport Between the Lungs & the Tissues Introduction Oxygen Transport Carbon Dioxide Transport</p> <p>Practical: CC9: Effects of hypoxia on normal intestinal movements</p>	<p>8</p> <p>6</p>	<p>Theory CC14: Renal function tests—creatinine, inulin, urea and PAH clearance tests. Abnormal constituents of urine, their detection and significance. Renal dialysis. Artificial Kidney.</p> <p>Practical: DSE4A:</p> <p>Kymographic recording of the effects of, Pb compounds on: the contraction of perfused heart of toad, the intestinal movements of rats in Dale's bath.</p>	<p>8</p> <p>6</p>
Mar	<p>Theory CC3: Synaptic and Junctional Transmission Introduction Synaptic Transmission Functional Anatomy Synapses: types, structure, synaptic transmission of the impulse., Electrical Events at Synapses synaptic potentials Inhibition and Facilitation at Synapses Chemical Transmission at Synaptic Activity</p> <p>Practical: CC3: Kymographic recording of the effects of variations of temperature on single muscle twitch.</p>	<p>8</p> <p>4</p>	<p>Theory CC10: Respiratory acidosis and alkalosis Regulation of Respiration Introduction Neural control of Breathing Chemical Control of Breathing Nonchemical Influences on Respiration</p> <p>Practical: CC9: Effects of acetylcholin on normal intestinal movements</p>	<p>8</p> <p>4</p>	<p>Theory CC14: Filling of the Bladder Physiology of urinary bladder Emptying of the Bladder Micturition. Non-excretory function of kidney</p> <p>Practical: DSE4A: Kymographic recordind of the effects of Hg compounds on: the contraction of perfused heart of toad, the intestinal movements of rats in Dale's bath.</p>	<p>8</p>
Apr	<p>Theory CC3: Principal neurotransmitter Systems Synaptic Plasticity and learning Neuromuscular Transmission Neuromuscular Junction The neuromuscular junction : structure, transmission, end- plate potential, MEPP and post-tetanic potentiation. Motor unit and Motor point. Denervation Hypersensitivity Practical: CC3: Kymographic recording of the effects of variations of load (after-load) on single muscle twitch. Calculation of work done by the muscle.</p>	<p>8</p> <p>6</p>	<p>Theory CC10: Respiratory Adjustments in Health & Disease Introduction Effects of Exercise Other Forms of Hypoxia Oxygen Treatment</p> <p>Practical: CC9: Effects of adrenaline on normal intestinal movements</p>	<p>8</p> <p>4</p>	<p>Theory DSE4A: Toxins and Toxicology Factors Affecting toxicity LD50, LOD50, ED50, NOEL, LOEL Concept of Acute and Chronic Effects</p> <p>Practical: DSE4A: Histochemical studies: chronic effects of food additives and arsenic compounds on liver, kidney, intestinal tissues in rat.</p>	<p>8</p> <p>6</p>
May	<p>Theory CC3: Initiation of Impulses in Sense Organs Introduction Sense Organs and Receptors Classification of general and special senses. Receptors as biological transducers. General concept of ionotropic and metabotropic receptors. Structure, sub-types and functions of nicotinic and muscarinic acetylcholine receptors. Adrenoceptors, glutamate receptors (NMDA and AMPA receptors), GABA, opiate, serotonin, dopamine and histamine receptors. The Senses Electrical and Ionic Events in Receptors</p>	<p>10</p>	<p>Theory CC10: Hypercapnia & Hypocapnia Other Respiratory Abnormalities Effects of Increased Barometric Pressure Artificial Respiration</p> <p>Practical: CC9: Practice Effects of acetylcholine and adrenaline on normal intestinal movements</p>	<p>8</p> <p>6</p>	<p>Theory DSE4A: Birth defects and Teratogens Concepts of Biomagnification and Bioconcentration Popular Food Additives and Food Adulterants Prevention of Food Adulteration Act, 1954</p> <p>Practical: DSE4A: Histochemical studies: chronic effects of food additives and arsenic compounds on brain, muscle and lung tissues in rat.</p>	<p>8</p> <p>6</p>

	Muller's law of specific nerve energies. Weber-Fechner law, Steven's power law. Sensory transduction in Pacinian corpuscle. Adaptation of receptors–phasic and tonic adaptations. “Coding” of Sensory Information CC4T Practical: CC3: Determination of nerve conduction velocity	4			
June	Theory CC3: Revision Practical Practice Examination	6 4	Theory CC10: Revision Practical Practice Examination	6 6	Theory DSE3A: Revision Practical Practice Examination 6 4

Faculty Induction Programme (8th) under UGC-HRDC, Jadavpur University from 13.6.2022 to 13.7.2022

Deblina Ball

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**DEPARTMENT OF
PHYSIOLOGY**

TEACHING PLAN

DR. ARIJIT DEBNATH

**Physiology (General/generic) (July 2021 – June
2022)**

Month	Sem-I (G/GE)	No. of Lecture	Sem-III (G/GE)	No. of Lecture	Sem-V (G/GE)	No. of Lecture
Jul	Theory: CC1A: A brief idea about acids, base, buffers and indicators.	2	Theory CC1C: Anatomy and histology of the heart. Properties of cardiac muscle. Origin and propagation of cardiac impulse.	4	Theory: DSE1A: Structure and classification of nerves. Origin and propagation of nerve impulse. Velocity of impulse in different types of nerve fiber.	4
Aug	Theory: CC1A: pH- definition, significance and maintenance of pH in Blood	3	Theory: CC1C: Cardiac cycle: events. Heart sounds. Heart rate. Cardiac output: methods of determination (dye dilution and Fick principle), factors affecting, regulation.	4	Theory: DSE1A: Properties of nerve fibers: all or none law, rheobase and chronaxie, refractory period. indefatigability	3
Sept	Theory: CC1A: Colloids- Definition, classification and physiological importance	3	Theory CC1C: Structure of arteries, arterioles, capillaries. venules and veins. Pulse - arterial and venous.	3	Theory: DSE1A: Synapses: structure, different types, mechanism of synaptic transmission.	4
Oct	Theory: CC1A: Enzymes- definition and classification	2	Theory CC1C: Blood pressure and its regulation and factors controlling. Baro- and chemoreceptors. Vasomotor reflexes. Methods of measurement of blood pressure.	4	Theory: DSE1A: Motor unit. Myoneural junction: structure,	3
Nov	Theory: CC1A: Factors affecting enzyme actions, concept of co-enzymes and isoenzymes	3	Theory CC1C: Peculiarities of regional circulations coronary, pulmonary, renal, hepatic and cerebral.	4	Theory: DSE1A: Mechanism of impulse transmission. Degeneration and regeneration in nerve fibres	3
Dec	Theory: CC1A: Revision Examination	2	Theory CC1A: Revision Examination	3	Theory: DSE1A: Revision Examination	3
	Sem-II (G/GE)		Sem-IV (G/GE)		Sem-VI (G/GE)	

Jan	Theory: CC1B: Structure in relation to functions of alimentary canal and digestive glands.	3	Theory: CC1D: Elementary structure of kidney and location Relationship between structure and function of kidney	3	Theory: SEC4B: Some common pollutants and their effects- carbon monoxide, lead, arsenic.	4
Feb	Theory CC1B: Composition, functions and regulation of secretion of digestive juices including bile	3	Theory: CC1D: Mechanism of formation of urine Normal and abnormal constitution of urine	4	Theory: SEC4B: Some common pollutants and their effects- carbon monoxide, lead, arsenic.	4
Mar	Theory: CC1B: Composition, functions and regulation of secretion of digestive juices including bile	3	Theory: CC1D: Physiology of urine storage and micturition	4	Theory: SEC4B: Some common pollutants and their effects- carbon monoxide, lead, arsenic.	4
Apr	Theory: CC1B: Digestion and absorption of carbohydrate, protein and lipid.	4	Theory Renal regulation of acid- base balance	3	Theory: SEC4B: Effect of noise on human body and preventive measure — —	4
May	Theory: CC1B: Movements of the stomach and small intestine	3	Theory: CC1D: Non excretory function of kidney	3	Theory: SEC4B: Effect of noise on human body and preventive measure	4
June	Theory: CC1B: Revision Examination	4	Theory: CC1D: Revision Examination	4	Theory: — — SEC4B: Revision Examination	4

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Deblina Ball

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DEPARTMENT OF PHYSIOLOGY

TEACHING PLAN

NUPUR PAUL

Physiology (Honours) (July 2021– June 2022)

Month	Sem-I (H)	No. of Lectur e	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lectur e
Jul	Theory: CC1: Organ systems, tissues and cells	3	Theory CC5: Introduction Blood Formed elements of blood– origin, formation, functions and fate	4	Theory DSE2A: Genesis and concept of ergonomics Importance of ergonomics in occupational health and well-being.	4
Aug	Theory: CC1: Functional morphology of cells Microscopic structure and functions of eukaryotic endoplasmic reticuli, ribosome	3	Theory CC5: Blood volume –normal values, regulation and determination by dye and radioisotope methods. Bone Marrow	4	Theory DSE2A: Classification of Physiological work load. Concept of work rest cycle. Physical work environment Thermal environment, its' effect, Heat stress indices Noise and vibration, its' effect on workers. Occupational deafness	4
Sept	Theory: CC1: Microscopic structure and functions of ribosome, golgi bodies, mitochondria	3	Theory CC5: White Blood Cells	4	Theory DSE2A: Illumination level and its' effect on visual performances, Ergonomic principles of control of Physical hazards.	3
Oct	Theory: CC1: Cell cycle	3	Theory CC5: Immune Mechanisms	4	Theory DSE2A: Static anthropometry, Application of anthropometric data in design. User interface and control display compatibility.	3

Nov	Theory: CC1: Revision	3	Theory CC5: Platelets	4 Theory DSE2A: Prevention of accidents, concept of Industrial safety. Occupational Diseases: pneumoconiosis, asbestosis, silicosis and work-related musculoskeletal disorders	4
Dec	Theory: CC1: Revision Examination	3	Theory CC5: Revision Examination	4 Theory DSE2A: Revision Examination	3
Jan	Sem-II (H) Theory CC3: Excitable Tissues: Muscle Introduction Skeletal Muscle Morphology Microscopic and electron microscopic structure of skeletal muscles. The sarco-tubular system. Red and white striated muscle fibers. Muscle groups: antagonists and agonists. Muscle proteins.	5	Sem-IV (H) Theory CC9: . Digestion & Absorption Introduction Anatomy and histology of alimentary canal, Deglutition	3 Theory CC14: Renal Functions and Malnutrition: Introduction Anatomy of kidney. Histology of Nephron. — Function of Malpighian corpuscles and renal tubule, — —	4

Feb	Theory CC3: Electrical phenomena and Ionic Fluxes Chemical, thermal and electrical changes in skeletal muscle during contraction and relaxation. Electromyography.	4	Theory CC9: Movements of alimentary canal and their regulations	3	Theory CC14: counter-current mechanism Formation of urine – glomerular function and tubular functions. Counter-current multiplier and exchanger.	4
Mar	Theory CC3: Contractile Responses Mechanism of skeletal muscle contraction and relaxation: Excitation-contraction coupling. Dihydropyridine receptors & Ryanodine receptors.	4	Theory CC9: Absorption of Water & Electrolytes	3	Theory CC14: Formation of hypertonic urine. Water Excretion Renal regulation of osmolarity and volume of blood fluids	3
Apr	Theory CC3: Energy sources and Metabolism Mechanical components of muscle. Isometric and isotonic contractions–muscle length, tension and velocity relationships.	4	Theory CC9: Absorption of Vitamins & Minerals	3	Theory DSE4A: Acidification of the Urine & Bicarbonate Excretion Renal regulation of acid-base balance, acidification of urine	3
May	Theory CC3: Properties of Muscle in the intact Organism Properties of skeletal muscle: excitability, contractility, all or none law, summation of stimuli, summation of contractions, effects of repeated stimuli, genesis of tetanus, onset of fatigue, refractory period, tonicity, conductivity, extensibility and elasticity. Optimal load, optimal length of fibers.	5	Theory CC9: Absorption of Vitamins & Minerals	3	Theory DSE4A: Regulation of Na ⁺ & Cl ⁻ Excretion	2
June	Theory CC3: Revision Examination	3	Theory CC9: Revision Examination	3	Theory CC14: Revision Examination	3

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**DEPARTMENT OF
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NUPUR PAUL

**Physiology (General/generic) (July 2021 – June
2022)**

Month	Sem-I (G/GE)	No. of Lectur e	Sem-III (G/GE)	No. of Lectur e	Sem-V (G/GE)	No. of Lectur e
Jul	Theory: CC1A: Physiological importance of the following physical processes: Diffusion Osmosis Practical: CC1A: Identification of permanent slides : Bone, Lung, Trachea, Spleen, Lymph gland, Liver, Salivary gland, Pancreas, Adrenal gland, , Thyroid gland,	4	Theory CC1C: Anatomy and histology of the respiratory passage and organs. Practical: CC1C: Leishman's staining of human blood film and identification of different typrs of blood corpuscles.	3	Theory: DSE1A: Different types of muscle and their structure. Red and white muscle. Practical: DSE1A: Use of kymograph	8
		6		4		4
Aug	Theory: CC1A: Physiological importance of the following physical processes: Dialysis Practical: CC1A: Identification of permanent slide : Spinal cord, Cerebellum, Cerebral cortex, Kidney, Skin, Testis, Ovary, Tongue, Oesophagus, Stomach, Small intestine, Large intestine.	3	Theory: CC1C: Role of respiratory muscles in breathing. Artificial respiration. Practical: CC1C: Preparation of Haemin crystals.	4	Theory: DSE1A: Muscular contraction: structural, mechanical and chemical changes in skeletal muscle during contraction and relaxation. Practical: DSE1A: Recording of pneumography	8
		6		4		4
Sept	Theory: CC1A: Physiological importance of the following physical processes: Ultrafiltration Practical: CC1A: Examination and staining of fresh tissues (other than blood) squamous, certified, ciliated and columnar epithelium,	3	Theory CC1C: Significance of physiological and anatomical dead space. Lung volumes and capacities. Practical: CC1C: Leishman's staining of human blood film and identification of different typrs of blood corpuscles.	3	Theory: DSE1A: Isotonic and isometric contractions. Practical: DSE1A: Practice Use of kymograph	4
		6		4		4
Oct	Theory: CC1A: Physiological importance of the following physical processes: Surface tension Practical: CC1A: Examination and staining of fresh tissues (other than blood) skeletal muscle, cardiac muscle by methylene blue stain.	3	Theory CC1C: Exchange of respiratory gases between lung and blood and between blood and tissues. Transport of oxygen and carbon dioxide in blood. Practical: CC1C: Preparation of Haemin crystals.	4	Theory: DSE1A: Properties of muscle: all or none law, beneficial effect, summation, refractory period, tetanus, fatigue. Practical: DSE1A: Practice	6
		4		4		2

Nov	Theory: CC1A: Physiological importance of the following physical processes: Adsorption Absorption	4	Theory CC1C: Regulation of respiration - neural and chemical. Hypoxia.	4	Theory: DSE1A: A brief idea about the muscle spindle.	3
	Practical: CC1A: Staining of adipose tissue by Sudan III or IV.	4	Practical: CC1C: Leishman's staining of human blood film and identification of different types of blood corpuscles.	4	Practical: DSE1A: Practice	2
Dec	Theory: CC1A: Revision	3	Theory CC1A: Revision	3	Theory: DSE1A Revision	3
	Practical: CC1A: Practice Examination	2	Examination		Examination	
Jan	Sem-II (G/GE)		Sem-IV (G/GE)		Sem-VI (G/GE)	
	Theory: CC1B: Depot fat. Beta oxidation of saturated fatty acid	3	Theory: CC1D: Skin and regulation of body temperature Structure and functions of skin	3	Theory: SEC4B: Environment - its physiological aspects.	4
	Practical: CC1B: Quantitative Experiments: Quantitative estimation of glucose by Benedict's method.	4	Practical: CC1D: Identification of normal constitution of urine-Chloride	4		
Feb	Theory CC1B: Ketone bodies formation and significance.	3	Theory: CC1D: Insensible and sensible perspiration	4	Theory: SEC4B: _____	4
	Practical: CC1B: Quantitative estimation of amino-nitrogen by Sorensen's formol titration method. Percentage and total quantity to be done.	4	Practical: CC1D: Identification of normal constitution of urine-Sulphate	4	Effect of extreme temperature on humans. _____	
Mar	Theory: CC1B: Deamination, Transamination. Amino acid pool	3	Theory: CC1D: Regulation of body temperature-physical and physiological process involved in it.	4	Theory: SEC4B: Hypobaric environment- effects on physiological system, acclimatization	4
	Practical: CC1B: Quantitative estimation of glucose by Benedict's method	4	Practical: CC1D: Identification of normal constitution of urine-Phosphate	4		
Apr	Theory: CC1B: fate and functions of amino acids in the body.	3	Theory CC1D: Revision Structure and functions of skin	3	Theory: SEC4B: Hyperbaric conditions and Caisson disease.	4
	Practical: CC1B: Quantitative estimation of amino-nitrogen by Sorensen's formol titration method. Percentage and total quantity to be done.	4	Practical: CC1D: Identification of normal constitution of urine-Creatinine	4		

May	Theory: CC1B: Formation of urea and its importance.	3	Theory: CC1D: Revision Insensible and sensible perspiration	3	Theory: SEC4B: Brief idea of cyanosis, dyspnea, hyperpnoea, apnea, asphyxia.	4
	Practical: CC1B: Practice	2	Practical: CC1D: Identification of normal constitution of urine-Urea	4		
June	Theory: CC1B: Revision	4	Theory: CC1D: Revision	4	Theory: SEC4B: Revision	4
	Practical: CC1B: Practice Examination	2	Practical: CC1D: Practice Examination	4	 Examination	

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DEPARTMENT OF PHYSIOLOGY

TEACHING PLAN

DR. DEBLINA BALL

Physiology (Honours)

(July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
Jul	<p>Theory: CC1:</p> <p>Introduction</p> <p>Body fluid components</p> <p>Organ systems, tissues and cells</p> <p>Practical:</p> <p>CC1:</p> <p>Study and identification of stained section of different mammalian tissues and organs:</p> <p>Lung, Trachea, Spinal cord, Cerebral cortex, Cerebellum,</p>	6	<p>Theory CC6:</p> <p>Cutaneous, Deep and Visceral Sensation</p> <p>Introduction</p> <p>Ascending and descending tracts: origin, courses, termination and functions.</p> <p>Lower and upper motor neurones.</p> <p>Functions of the spinal cord with special reference to functional changes following hemisection and complete section of spinal cord. Brown-Sequard syndrome, Spinal animal.</p> <p>Practical</p> <p>CC5:</p> <p>Preparation and staining of blood film with Leishman's stain.</p> <p>Identification of the blood corpuscles.</p>	8	<p>Theory CC12:</p> <p>The Thyroid Gland</p> <p>Introduction</p> <p>Anatomic Considerations</p> <p>Formation & Secretion of Thyroid Hormones</p> <p>Transport of Thyroid Hormones</p> <p>Effects of Thyroid Hormones</p> <p>Regulation of Thyroid Secretion</p> <p>Clinical Correlates</p> <p>Practical:</p> <p>CC11:</p> <p>Principles of fixation and staining.</p> <p>Staining and identification of fixed endocrine glands and nervous tissue.</p>	8
Aug	<p>Theory: CC1:</p> <p>Transports across cell membrane: Ionpores, ion pumps, ion channels ionophores. Passive transport. Facilitated diffusion, uniport, symport, antiport. Active transport.</p> <p>Intercellular communication : Basic idea of tight junctions, gap junctions and cell adhesion molecules</p> <p>Practical:</p> <p>CC1:</p> <p>Study and identification of stained section of different mammalian tissues and organs:</p> <p>Parotid gland, Sub maxillary gland, Sublingual gland, Tongue, Oesophagus, Stomach, Duodenum, Jejunum, Ileum, Large intestine, Liver</p>	8	<p>Theory CC7:</p> <p>Pain production, perception and regulation. Referred pain. Pathways</p> <p>Touch</p> <p>Proprioception</p> <p>Temperature</p> <p>Pain</p> <p>Other Sensations</p> <p>Control of Posture and Movement :</p> <p>Introduction</p> <p>General Principles</p> <p>Corticospinal & Corticobulbar System</p> <p>Anatomy & Function</p> <p>Posture and its regulation</p> <p>Decerebrate rigidity, Decorticate rigidity, Postural reflexes and regulation of Posture</p> <p>Practical</p> <p>CC5:</p> <p>Differential count of WBC.</p> <p>Total count of RBC and WBC.</p> <p>Bleeding time and clotting time</p> <p>Hemoglobin estimation</p>	8	<p>Theory CC12:</p> <p>Endocrine Functions of the Pancreas & the Regulation of Carbohydrate Metabolism:</p> <p>Introduction</p> <p>Islet Cell Structure</p> <p>Structure, Biosynthesis, & Secretion of Insulin</p> <p>Effects of Insulin</p> <p>Mechanism of action</p> <p>Insulin Excess</p> <p>Regulation of Insulin Secretion</p> <p>Glucagon</p> <p>Other Islet Cell Hormones</p> <p>Hypoglycemia & Diabetes Mellitus in Humans</p> <p>Practical:</p> <p>CC11:</p> <p>Practice</p> <p>Staining and Identification of Histological sections provided</p>	6

Sept	<p>Theory: CC1:</p> <p>Capillary Wall</p> <p>Homeostasis</p> <p>Practical: CC1: Study and identification of stained section of different mammalian tissues and organs:</p> <p>Kidney, Ureter, Pancreas, Adrenal gland, Thyroid gland, Testis, Ovary</p>	<p>4</p> <p>Basal Ganglia Cerebellum Movement disorders</p> <p>Neural Basis of Instinctual Behaviour and Emotions :</p> <p>a. Introduction b. Anatomic Considerations c. Limbic Functions</p> <p>4 Limbic system: structure, connections and functions. Physiology of emotion.</p> <p>Practical CC5:</p> <p>Preparation of haemin crystals</p> <p>Preparation and staining of bone marrow.</p> <p>Measurement of diameter of megakaryocyte.</p>	<p>8</p> <p>The Pituitary Gland: Introduction Morphology Posterior pituitary hormones Growth Hormone Physiology of Growth Pituitary Insufficiency Pituitary Hyperfunction in Humans</p> <p>Practical: CC11:</p> <p>Practice</p> <p>6 Staining and Identification of Histological sections provided</p>	<p>8</p> <p>4</p>
Oct	<p>Theory: CC1: Revision</p> <p>Practical: CC1:</p> <p>Practice</p> <p>Study and identification of stained section of different mammalian tissues and organs</p>	<p>6</p> <p>Theory CC7:</p> <p>d. Sexual Behavior e. Fear & Rage f. Motivation</p> <p>4 Higher Functions of the Nervous System</p> <p>a. Introduction b. Methods c. Learning & Memory Higher functions of nervous system: conditioning, learning, short-term and long- term memory.</p> <p>Practical CC5:</p> <p>10. Reticulocyte staining 11. . Blood group determination.</p>	<p>8</p> <p>Theory CC12:</p> <p>Revision</p> <p>Practical: CC11:</p> <p>Class Test Staining and Identification of Histological sections provided</p> <p>4</p>	<p>4</p> <p>4</p>
Nov	<p>Theory: CC2:</p> <p>Question Answer discussion and Assessment</p> <p>Practical:</p> <p>Class Test Slide Identification</p>	<p>5</p> <p>Theory CC7:</p> <p>Speech and Aphasia. Asymmetrical organization of certain cognitive functions-split brain d. Functions of the Neocortex</p> <p>2 Electrophysiology of brain: spontaneous electrical activity of brain, EEG and ECoG, evoked potential, DC potential. Isolated cortex. e. Disorders relating learning and memory</p> <p>Practical CC5:</p> <p>Practice Preparation and staining of blood film with Leishman's stain.</p> <p>Identification of the blood corpuscles.</p>	<p>8</p> <p>Theory CC12:</p> <p>Question Answer discussion and Assessment</p> <p>Practical:</p> <p>Class test on Practical</p> <p>4</p>	<p>4</p> <p>2</p>

Month	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
Dec	Theory: CC1: Revision Practical Practice (if required) Examination	4 4	Theory CC7: Revision and Question Answer discussion Practical Practice (if required) Examination	4 4	Theory CC12: Revision Practical Practice (if required) Examination	4 4
Jan	Theory CC3: Excitable Tissues: Nerve Introduction Nerve cells Structure, classification and functions of neurons, Cytoskeletal elements and axoplasmic flow. Excitation and Conduction Practical: CC3: Isolation and staining of nerve fibers with node (s) of Ranvier (AgNO ₃) and muscle fiber (H and E)	8 4	Theory CC9: Regulation of Gastrointestinal Function Introduction Digestive glands – histological structures of salivary glands, pancreas and liver. Practical: CC10: Measurement of peak expiratory flow rate Measurement of oxygen saturation by pulse oxymeter before and after exercise	6 4	Theory CC13: Introduction Primary and accessory sex organs and secondary sex characters, Physiology of puberty. Sex Differentiation & Development a. Chromosomal Sex Embryology of the Human Reproductive System Aberrant Sexual Differentiation Puberty Precocious & Delayed Puberty Menopause Pituitary Gonadotropins & Prolactin Practical: CC13: Study of estrous cycle	8 6
Feb	Theory CC3: Measurement of electrical events Propagation of nerve impulse in different types of nerve fibers. Ionic basis of excitation and conduction The resting membrane potential, action potential, electrotonic potentials, current of injury and compound action potential. Practical: CC3: Practice Isolation and staining of nerve fibers with node (s) of Ranvier (AgNO ₃) and muscle fiber (H and E)	6 4	Theory CC9: General Considerations Composition, functions and regulation of the secretion of salivary, gastric, pancreatic and intestinal juices and bile. Synthesis of Bile acids. Enterohepatic circulation, Feces and defecation. GALT, MALT. Basic concepts of Peptic Ulcer, Jaundice and Gall-stones Cholelithiasis. Practical: CC10: Measurement of forced expiratory volume (FEV) in first second	8 2	Theory CC13: The male reproductive System Structure Histology of testis Gametogenesis & Ejaculation Endocrine Function of the Testes Control of Testicular Function Abnormalities of Testicular Function Practical: CC13: Staining and identification of kidney and ureter	10 4

<p>Mar</p>	<p>Theory CC3:</p> <p>Properties of mixed nerves Properties of nerve fibers: excitability, conductivity, all or none law, accommodation, adaptation, summation, refractory period, Indefatigability, Chronaxie & rheobase and utilization time. Injury to peripheral nerves—degeneration and regeneration in nerve fiber, changes in the nerve cell body, trans neuronal degeneration, changes in receptor and motor end-plates, denervation hypersensitivity. Thermal changes of nerve during activity</p> <p>Practical: CC4:</p> <p>Qualitative tests for the identification of physiologically important substances:</p> <p>Urea, Glycerol, Bile salts</p>	<p>6</p> <p>4</p>	<p>Theory CC9:</p> <p>Gastrointestinal hormones</p> <p>Mouth & Esophagus</p> <p>Stomach</p> <p>Exocrine Portion of the Pancreas</p> <p>Liver & Biliary System</p> <p>Practical:</p> <p>CC10:</p> <p>Practice</p>	<p>8</p> <p>4</p>	<p>Theory CC13:</p> <p>6. Pregnancy Fertilization, Preliminary ideas of implantation. Structure and functions of placenta. Maintenance of pregnancy and the bodily changes during pregnancy. Pregnancy tests. Parturition.</p> <p>Practical: CC13:</p> <p>Pregnancy test from human urine by kit method</p>	<p>8</p> <p>2</p>
<p>Apr</p>	<p>Theory CC3:</p> <p>Nerve fibre types and function</p> <p>Neurotropicins Nerve growth factors and Neurotropicins</p> <p>Glia Structure, classification and functions of neuroglia cells</p> <p>Practical: CC4:</p> <p>Prctice Qualitative tests for the identification of Unknown Sample</p>	<p>4</p> <p>4</p>	<p>Theory CC9:</p> <p>Small Intestine</p> <p>Colon</p> <p>Practical:</p> <p>CC10:</p> <p>Practice (if required)</p>	<p>4</p> <p>4</p>	<p>Theory CC13:</p> <p>Lactation Mammogenesis, Galactopoiesis: Hormonalcontrol</p> <p>Practical: CC13:</p> <p>Practice</p>	<p>4</p> <p>4</p>
<p>May</p>	<p>Theory CC3:</p> <p>Revision, Question Answer discussion and Assessment</p> <p>Practical: CC4:</p> <p>Class Test on Identification of given Unknown Sample</p>	<p>5</p> <p>2</p>	<p>Theory CC9:</p> <p>Revision, Question Answer discussion and Assessment</p> <p>Practical:</p> <p>Class Test</p>	<p>5</p> <p>2</p>	<p>Theory CC13:</p> <p>Revision, Question Answer discussion and Assessment</p> <p>Practical: CC13:</p> <p>Class Test</p>	<p>5</p> <p>2</p>
<p>June</p>	<p>Theory CC3:</p> <p>Revision</p> <p>Practical Practice (if required)</p> <p>Examination</p>	<p>2</p> <p>2</p>	<p>Theory CC9:</p> <p>Revision</p> <p>Practical Practice (if required)</p> <p>Examination</p>	<p>2</p> <p>2</p>	<p>Theory CC13:</p> <p>Revision</p> <p>Practical Practice (if required)</p> <p>Examination</p>	<p>2</p> <p>2</p>

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Suri, Birbhum

DR. DEBLINA BALL

Physiology (Generic/ General)

(July 2021 – June 2022)

Month	Sem-V (GE/Gen)	No. of Lecture
July	Theory DSE 1A: Nervous System A brief outline of organization and basic functions (sensory, motor and association) of the nervous system, central and peripheral nervous system. (emphasis on the structure of spinal cord and brain stem). Ascending tracts carrying touch, kinaesthetic, temperature and pain sensations. Descending tracts: pyramidal tract and brief outline of the extra-pyramidal tracts. Pain. Reflex action - definition, reflex arc, classification, properties. Functions of the spinal cord. Outline of functions of brain stem.	12
Aug	Theory DSE 1A: A brief idea of the structure, connections and functions of cerebellum. Different nuclei and functions of thalamus and hypothalamus. Cerebral cortex: histological structure and localization of functions. CSF : composition, formation, circulation and functions. A brief description of the organization of the autonomic (sympathetic and parasympathetic) nervous system. Functions of sympathetic and parasympathetic nervous system. A brief idea of speech, aphasia, conditioning, learning and memory.	12
Sep	Theory SEC 3A: Virus - DNA virus and RNA virus. Bacteriophage. Bacteria-structure and morphological classification	8
Oct	Theory SEC 3A: Gram positive and Gram negative and acid-fast bacteria. Pathogenic and non-pathogenic bacteria - definition with a few examples. Sterilization and Pasteurization	8
Nov	Theory Revision, Question Answer discussion and Assessment	6
Dec	Theory Examination	4

Month	Sem-II (GE/Gen)	No of Lecture	Sem-VI (GE/Gen)	No of Lecture
Jan	Theory CC1B Metabolism: Pathophysiological significance of the following blood constituents: glucose, urea, creatinine	6	Theory DSE1B Sensory Physiology: Classification of general and special senses and their receptors. Receptors as biological transducer. Olfaction and Gustation: Structure of sensory organ, neural pathway of olfactory and gustatory sensation. Physiology of olfactory and gustatory sensation. Olfactory and gustatory adaptation. After-taste.	8

Feb	Theory CC1B Metabolism: Pathophysiological significance of the following blood constituents: uric acid, cholesterol, bilirubin, SGPT and SGOT	6	Theory DSE1B Physiology of olfactory and gustatory sensation. Olfactory and gustatory adaptation. After-taste. Audition: Structure of ear, auditory pathway, mechanism of hearing.	8
Mar	Theory CC1B Metabolism: Pathophysiological significance of the following blood constituents: alkaline and acid phosphatases and ketone bodies	6	Theory DSE1B Vision: Structure of the eye. Histology of retina. Visual pathway. Light reflex. Chemical changes in retina on exposure to light. Accommodation - mechanism and pathway. Errors of refraction. Positive and negative after-image. Light and dark adaptation. Elementary idea of colour vision and colour blindness	8
Apr	Theory CC1B Revision and Question Answer discussion	6	Theory DSE1B Revision and Question Answer discussion	6
May	Theory CC1B Assessment	2	Theory DSE1B Assessment	2
Jun	Examination	2	Examination	2

COURSES COMPLETED:

1. Faculty Induction Programme (8th) under UGC-HRDC, Jadavpur University from 13.6.2022 to 13.7.2022
2. Reresher Course on 'Emerging trends in Natural and Biological Sciences' (RC-18) under UGC-HRDC, University of North Bengal from 09.9.2022 to 22.9.2022

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DEPARTMENT OF PHYSIOLOGY

TEACHING PLAN

HAIMANTI CHATTERJEE

Physiology (Honours) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture		
Jul	<p>Theory: CC1:</p> <p>Functional morphology of cells Plasma membrane and subcellular membranes. Microscopic structure and functions of eukaryotic endoplasmic reticuli, ribosome, golgi bodies.</p>	4	<p>Theory CC7:</p> <p>Reflexes: a. Introduction b. Monosynaptic Reflexes: The Stretch Reflex c. Polysynaptic Reflexes: The Withdrawal Reflex d. General Properties of Reflexes</p> <p>Arousal Mechanism, Sleep and the Electrical Activity of the Brain a. Introduction b. The Reticular Formation & the Reticular Activating System</p> <p>Reticular formation: organization, connection and functions of ascending and descending reticular formation. Physiological basis of sleep and wakefulness</p>	4	<p>Theory CC12:</p> <p>The Adrenal Medulla & Adrenal Cortex a. Introduction b. Adrenal Morphology c. Adrenal Medulla</p> <p>I. Structure & Function of Medullary Hormones II. Regulation of Adrenal Medullary Secretion</p> <p>d. Adrenal Cortex I. Structure & Biosynthesis of Adrenocortical Hormones II. Effects of Adrenal Androgens & Estrogens III. Physiologic Effects of Glucocorticoids IV. Pharmacologic & Pathologic Effects of Glucocorticoids V. Regulation of Glucocorticoid Secretion VI. Effects of Mineralocorticoids</p> <p>DSE1A: BIOLOGICAL STATISTICS</p> <p>Scope of statistics – Principles of statistical analysis of biological data.</p> <p>Basic concepts – variable, parameter, statistics. Sampling.</p> <p>Presentation of data-frequency distribution, frequency polygon, histogram, bar diagram and pie diagram.</p>	3	5	4

<p>Aug</p>	<p>Theory: CC1: Microscopic structure and function of mitochondria, lysosomes, peroxisomes.</p>	<p>4</p>	<p>Theory CC7:</p> <p>The Thalamus & the Cerebral Cortex</p> <p>Evoked Cortical Potentials</p> <p>The Electroencephalogram Physiological Basis of the EEG, Consciousness, & Sleep Interpretation of abnormal EEG pattern</p>	<p>4</p> <p>6</p>	<p>Theory CC12: The Adrenal Medulla & Adrenal Cortex</p> <p>VII. Regulation of Aldosterone Secretion VIII. Summary of the effects of Adrenocortical Hyper & Hypofunction in Humans</p> <p>Hormonal Control of Calcium Metabolism & the Physiology of Bone</p> <p>a. Introduction b. Calcium & Phosphate Metabolism c. Bone Physiology d. Vitamin D & the Hydroxycholecalciferols</p> <p>e. The Parathyroid Glands f. Calcitonin</p> <p>DSE1A: BIOLOGICAL STATISTICS</p> <p>Parameters</p> <p>Different classes of statistics- mean, median, mode, mean deviation, variance, standard deviation, standard error of mean.</p>	<p>3</p> <p>6</p> <p>2</p> <p>4</p>
<p>Sept</p>	<p>Theory: CC1: Cytoskeletal elements and centrosomes.</p>	<p>4</p>	<p>Theory CC7:</p> <p>Introduction Anatomic Organization of Autonomic Outflow Chemical Transmission at autonomic Junctions</p> <p>Responses of Effector Organs to Autonomic Nerve Impulses Cholinergic and Adrenergic Discharge</p>	<p>4</p>	<p>Theory CC12: g. Effects of Other Hormones & Humoral Agents on Calcium Metabolism</p> <p>Endocrine Functions of the Kidneys, Heart, & Pineal Gland</p> <p>a. Introduction b. The Renin-Angiotensin System c. Erythropoietin</p> <p>d. The Endocrine Function of the Heart: Atrial Natriuretic Peptide</p> <p>e. Pineal Gland f. Human chronobiology, biological rhythms; basic concepts and implications</p> <p>DSE1A: BIOLOGICAL STATISTICS</p> <p>Standard score. Degrees of freedom</p>	<p>2</p> <p>5</p> <p>2</p> <p>2</p> <p>3</p> <p>2</p>
<p>Oct</p>	<p>Theory: CC1: Cell cycle</p>	<p>4</p>	<p>Theory CC7: Central Regulation of Visceral Function</p> <p>a. Introduction b. Medulla Oblongata c. Hypothalamus i. Anatomic Considerations ii. Hypothalamic Function iii. Relation to Autonomic Function iv. Relation to Sleep v. Relation to Cyclic Phenomena vi. Hunger vii. Thirst viii. Control of Posterior Pituitary Secretion ix. Control of Anterior pituitary Secretion x. Temperature Regulation, fever</p>	<p>5</p>	<p>Theory DSE1A: Probability.</p> <p>Normal distribution.</p> <p>Student's t-distribution</p> <p>Practice</p> <p>Testing of hypothesis - Null hypothesis, errors of inference</p> <p>Practice</p>	<p>8</p> <p>2</p> <p>4</p> <p>2</p>

Nov	Theory: CC1: Cell division a. Mitosis b. Meiosis	4	Theory CC7: Neural Basis of Instinctual Behaviour and Emotions a. Introduction b. Anatomic Considerations c. Limbic Functions Limbic system: structure, connections and functions. Physiology of emotion. d. Sexual Behavior e. Fear & Rage f. Motivation Revision Class test	3 4	Theory DSE1A: levels of significance, students' t-test and z score for significance of difference. Practice Distribution-free test - Chi-square test Practice	6 4 4 2			
	Theory: CC1: Aging Revision Examination		4		Theory CC7: Revision Class test Examination		6 4	Theory DSE1A: Revision Practice Class test Examination	6 4 4
	Sem-II (H)				Sem-IV (H)			Sem-VI (H)	
Jan	Theory CC4: Carbohydrates a. Classification of Carbohydrates Definition and classification of Carbohydrates b. Structure of Carbohydrates	4		Theory CC8: Introduction Energy metabolism Carbohydrate metabolism Glycolysis, R-L cycle Detail, TCA cycle. Gluconeogenesis Cori cycle, Glucose Alanine cycle. Anaplerotic reactions and Amphibolic nature of TCA cycle. Pentose Phosphate Pathway.	2 14 2	Theory CC13 The Female Reproductive system Histology of ovary, Oogenesis, folliculogenesis and ovulation. The Menstrual Cycle Formation, functions of corpus luteum and leuteolysis, — —		6 2	

Feb	Theory CC4: Cyclic structures- Pyranose and furanose forms, structure of disaccharides and polysaccharides.	Theory CC8: Glycogenesis and Glycogenolysis. Protein metabolism Amino acids, Amino acid pool. Deamination, transamination, amination and decarboxylation. Synthesis of Urea and Nitric oxide. Basic idea of glucogenic and ketogenic amino acids.	Theory CC13: Menstrual cycle and its regulation b. Ovarian Hormones c. Control of Ovarian Function d. Abnormalities of Ovarian Function	10
	Theory CC4: c. Properties of Carbohydrates Stereoisomerism, optical isomerism, optical activity, epimerism, anomerism, mutarotation and its mechanism.	Theory CC8: Metabolism of glycine, sulfur-containing amino acids, tryptophan and phenylalanine Fat and cholesterol metabolism β -oxidation and biosynthesis of saturated and monounsaturated fatty acids. Carnitine shuttle.	Theory CC13: Abnormalities in menstrual cycle. Onset of menopause and post-menopausal changes, Postmenopausal syndromes.	2 2
Apr	Theory CC4: Chemical reactions of monosaccharides (Glucose & Fructose) – Reactions with concentrated mineral acids, alkali, phenyl hydrazine and their biochemical importance	Theory CC8: Metabolism of Triglycerides. Biosynthesis of Lecithin, Cephalin and Cholesterol. Metabolism of Adipose Tissue. Role of lipoproteins in transport and storage of lipids. Formation of Reactive Oxygen Species (ROSs) and the role of Catalase, Superoxide Dismutase, Glutathione Peroxidase and Glutathione Reductase in combating oxidative stress– role of vitamins.	Theory DSE3B: Genes - definition. DNA-structure, DNA replication, Transcription of RNA in prokaryotes, Genetic code – properties and wobble hypothesis,	5 2 2
May	Theory CC4: d. Function of Carbohydrates Derivatives of monosaccharides --Amino sugars, deoxysugars, sugar alcohols, sugar acids, sugar esters, their biochemical and physiological importance.	Theory CC8: Integration of carbohydrate, fat and protein metabolism Biological oxidation– Redox Potential. Mitochondrial Electron Transport Chain. Oxidative Phosphorylation–Inhibitors and uncouplers. Practice	Theory DSE3B: translation in prokaryotes, regulation of gene expression – operon concept: lac operon, gene mutation DNA repairing processes. Basic idea of Recombinant DNA technology and its applications, Polymerase chain reaction (PCR) - basic concepts.	8 8
June	Theory CC4: Revision Class test Examination	Theory CC8: Revision Practice Examination	Theory CC13: Revision Class test Examination	4 2

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Nov	Theory: CC 1A: Polysaccharides–Starch, Glycogen, Dextrin, Cellulose	4	Theory CC 1C: Blood groups-ABO and Rh. Blood transfusion-precaution and hazards. Immunological basis of identification of ABO and Rh blood groups	4	Theory SEC III: Revision. Class test	4
Dec	Theory: CC1A: Revision Class test Examination	2 2	Theory CC 1C: Anaemia-types (definition and causes). Leucocytosis, leucopenia and leukaemia. Purpura Revision Practical Practice Examination	4 2	Theory SEC III Revision Practical Practice Examination	4 2
Jan	Sem-II (G) Theory CC 1B: Metabolism Glycolysis, TCA cycle, Glycogenesis, Glycogenolysis, Gluconeogenesis Practical: I. Qualitative Experiments: Qualitative tests for identification of starch, dextrin, lactose, sucrose, glucose, fructose, albumin, gelatin, peptone, lactic acid	4 2	Sem-IV (G) Theory CC 1D: Endocrine System Anatomy of endocrine system. Hormones - classification. Basic concept of regulation of hormone actions. Positive and negative Feedback mechanism. Elementary idea of hormone action. Hypothalamus: Basic concept of neurohormone. Hypothalamo hypophyseal tract and portal system. Practical: CC 1D: Identification of abnormal constituents of urine - glucose, protein, acetone blood and bile salts.	4 2	Sem-VI (G) Theory DSE 1B: Reproductive Physiology Primary and accessory sex organs and secondary sex characters. Testis: histology, spermatogenesis, testicular hormones and their functions. — — Practical: Human Experiments II Pneumographic recording of respiratory movements along with The effect of drinking of water, talking, forced hyperventilation and breath holding.	4 2

Feb	Theory CC 1B: Depot fat. Beta oxidation of saturated fatty acid Ketone bodies, formation and significance.	4	Theory CC 1D: Pituitary: Histological structure, hormones, functions. Hypo and Hyperactive states of pituitary gland. Practical: CC 1D: Practice	4 2 Measurement of some common anthropometric parameters: stature, weight, eye height, shoulder height, elbow height. Sitting height, elbow rest height(sitting), knee height(sitting), arm reach from wall,	4
Mar	Theory CC 1B: Deamination, Transamination. Amino acid pool-fate and functions of amino acids in the body. Formation of urea and its importance.	4	Theory CC 1D: Thyroid: Histological structure. Functions of thyroid hormones & thyrocalcitonin. Hypo and hyper-active states of thyroid	4 2 Practical: Human Experiments II Measurement of some common anthropometric parameters: Mid -arm circumference, waist circumference, hip circumference, neck circumference, head circumference, chest circumference.	4
Apr	Theory CC 1B: Brief idea of HMP shunt and its significance Lipoproteins -types and functions	4	Theory CC 1D: Parathyroid: Histological structure, functions of parathyroid hormone. Tetany. Adrenal Cortex: Histological structure and functions of different hormones. Hypo and hyper-active states of adrenal cortex. Adrenal Medulla: Histological structure and functions of medullary hormones. The relation of adrenal medulla with the sympathetic Nervous system	6 Theory DSE 1B: Oestrus and menstrual cycles and their hormonal control. Fertilization, implantation and structure and functions of placenta.	4
May	Theory CC 1B: Purine and pyrimidine bases, nucleosides, nucleotides and polynucleotides	4	Theory CC 1D: Pancreas: Histology of islets of Langerhans. Origin and functions of pancreatic hormones. Diabetes mellitus. Brief Idea of the origin and functions of renin-angiotensin, prostaglandins. Erythropoietin and melatonin. Elementary idea of gastrointestinal hormone.	6 Theory DSE 1B: Maintenance of pregnancy –role of hormones. Development of mammary gland and lactation-role of Hormones	4
June	Theory CC 1B: Revision	2	Theory CC 1D: Revision	4 Theory DSE 1B: Revision	4

	Practical Practice Examination	2	Practical Practice Examination	2	Practical Practice Examination	2
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DEPARTMENT OF ECONOMICS

TEACHING PLAN OF DR. KAKALI ADHIKARI

Economics (Honours & General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC2: Statistics –I Unit1. Tabular and Diagrammatic Presentation of Data; Unit2. Measures of Central Tendency	5 5	CC7: Mathematical Economics –II Unit 1. Determinants and Matrices:	10	CC12: Money & Banking: Unit 1. Introduction Unit 2. Money DSE 1: Unit 1 Selected Features of West Bengal Economy	5 5 8
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 4. Theory of Distribution: Marginal Productivity Theory	3	CC – 1C/GE3: Development Economics Meaning of Economic Development and Growth	3	SEC 3: Money & Banking GE -1: Basic Economics Unit 3. Producer's Behaviour:	5 3
August	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC2: Statistics –I Unit2. Measures of Central Tendency Unit3. Measures of Dispersion	5 5	CC7: Mathematical Economics –II Unit 1. Determinants and Matrices: Application Unit 2 Linear Programming: SEC 1: Unit1. Managerial Economics	5 5 10	CC12: Money & Banking Unit 2. Money Unit 3. Financial Institutions, Markets, Instruments and Financial Innovations DSE 1: Unit 2 Selected Features of West Bengal Economy	5 7 10
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 4. Theory of Distribution: Ricardian and modern Theory	3	CC – 1C/GE3: Development Economics Meaning of Economic Development and Growth	4	SEC 3: Money & Banking GE -1: Basic Economics Unit 3. Producer's Behaviour:	5 4
September	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC2: Statistics –I Unit3. Measures of Dispersion Unit4. Skewness and Kurtosis	5 5	CC7: Mathematical Economics –II Unit 2 Linear Programming: Unit3. Input – Output Analysis: SEC 1: Unit2. Managerial Economics	5 5 5	CC12: Money & Banking Unit 3. Financial Institutions, Markets, Instruments and Financial Innovations DSE 1: Unit 3 Selected Features of West Bengal Economy	11 10

Dr. Kakali Adhikari
01/07/21



	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 4. Theory of Distribution: Theory of Wage	3	CC - 1C/GE3: Development Economics Meaning of Economic Development and Growth	4	SEC 3: Money & Banking GE -1: Basic Economics Unit 3, Producer's Behaviour:	5 4
October	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC2: Statistics -I Unit4. Skewness and Kurtosis Unit5. Bivariate Data: Simple Correlation and Regression Analysis	3 4	CC7: Mathematical Economics -II Unit3. Input - Output Analysis: SEC 1: Unit3. Managerial Economics.	7 5	CC12: Money & Banking Unit 4. Interest rates DSE 1: Unit 4 Selected Features of West Bengal Economy	8 8
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 4. Theory of Distribution: Theory of Interest	3	CC - 1C/GE3: Development Economics Unit 4. Political Institutions and the State	4	SEC 3: Money & Banking GE -1: Basic Economics Unit 4. Market Morphology:	5 4
November	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC2: Statistics -I Unit5. Bivariate Data: Simple Correlation and Regression Analysis Unit 6. Multiple and Partial Correlation	6 6	CC7: Mathematical Economics -II Unit4. Basic Game Theory: SEC 1: Unit3. Managerial Economics	12 5	CC12: Money & Banking Unit 5. Banking System DSE 1: Unit 5 Selected Features of West Bengal Economy	12 10
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 4. Theory of Distribution: Theory of Profit	3	CC - 1C/GE3: Development Economics Unit 4. Political Institutions and the State	4	SEC 3: Money & Banking GE -1: Basic Economics Unit 4. Market Morphology:	5 4
December	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC2: Statistics -I Unit7. Index Numbers Unit8. Time Series	5 5	CC7: Mathematical Economics -II Unit5. Decisions under Uncertainty: SEC 1: Unit4. Managerial Economics	7 5	CC12: Money & Banking: Unit 6. Central Banking & Monetary Policy DSE 1: Unit 6 West Bengal Economy	10 8
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics		CC - 1C/GE3: Development Economics	4	SEC 3: Money & Banking	4

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 Head of the Department
 Economics

	Unit 5. General concepts of Welfare Economics:	3	Unit 4. Political Institutions and the State		GE -1: Basic Economics Unit 4. Market Morphology:	3
January	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture
	CC4:Mathematical Economics –I Unit 1. Single and multivariable functions and its applications	10	CC8: Selected Features of Indian Economy Unit 1. Economic Development since Independence	10	DSE 4: Financial Economics Unit 1. Introduction	8
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
	CC – 1B/GE2: Macroeconomics Unit 6. Theory of inflation	3	CC – 1D/GE4 Features of Indian Economy Unit 5. Banking: SEC 2: Entrepreneurship Development	3 4	GE - 2: Indian Economic Development Unit 3. Banking: SEC 4: Business Project Proposal	3 4
February	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture
	CC4: Mathematical Economics –I Unit 2. Unconstrained Optimization: Its applications in Economics	10	CC8: Selected Features of Indian Economy Unit 2. Population and Human Development	10	DSE 4: Financial Economics Unit 2. Corporate Finance	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
	CC – 1B/GE2: Macroeconomics Unit 6. Theory of inflation	3	CC – 1D/GE4 Features of Indian Economy Unit 5. Banking: SEC 2: Entrepreneurship Development	4 4	GE - 2: Indian Economic Development Unit 3. Banking: SEC 4: Business Project Proposal	3 4
March	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture
	CC4: Mathematical Economics –I Unit 3. Constrained Optimization: Its applications in Economics	10	CC8: Selected Features of Indian Economy Unit 3. Development and Distribution	10	DSE 4: Financial Economics Unit 3a. Investment Theory and Portfolio Analysis	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
	CC – 1B/GE2: Macroeconomics Unit 6. Theory of Inflation	3	CC – 1D/GE4 Features of Indian Economy Unit 5. Banking: SEC 2: Entrepreneurship Development	3 4	GE - 2: Indian Economic Development Unit 3. Banking: SEC 4: Business Project Proposal	3 4

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April	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture
	CC4: Mathematical Economics -I Unit 4. Integration of Functions: Its applications	10	CC8: Selected Features of Indian Economy Unit 4. Macroeconomic Policies and Their Impact	10	DSE 4: Financial Economics Unit 3b. Investment Theory and Portfolio Analysis	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
	CC - 1B/GE2: Macroeconomics Unit 7. Banking	3	CC - 1D/GE4 Features of Indian Economy Unit 6. Indian Public Finance: SEC 2: Entrepreneurship Development	4 4	GE - 2: Indian Economic Development Unit 4. Indian Public Finance: SEC 4: Business Project Proposal	4 4
May	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture
	CC4: Mathematical Economics -I Unit 5. Techniques of dynamic Analysis:	10	CC8: Selected Features of Indian Economy Unit 5. Policies and Performance in Agriculture	10	DSE 4: Financial Economics 3c. CAPM	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
	CC - 1B/GE2: Macroeconomics Unit 7. Banking	3	CC - 1D/GE4 Features of Indian Economy: Unit 6. Indian Public Finance: SEC 2: Entrepreneurship Development	4 4	GE - 2: Indian Economic Development Unit 4. Indian Public Finance: SEC 4: Business Project Proposal	4 4
June	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture
	CC4: Mathematical Economics -I Unit 5. The Cobweb Model- Dynamic multiplier -Multiplier Accelerator interaction Model.	5	CC8: Selected Features of Indian Economy Unit 6. Policies and Performance in Industry	10	DSE 4: Financial Economics Unit 4. Options and Derivatives	7
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
	CC - 1B/GE2: Macroeconomics Unit 7. Banking	2	CC - 1D/GE4 Features of Indian Economy: Unit 6. Indian Public Finance: SEC 2: Entrepreneurship Development	3 3	GE - 2: Indian Economic Development Unit 5. Foreign trade SEC 4: Business Project Proposal	4 3

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DEPARTMENT OF ECONOMICS

TEACHING PLAN OF DR. LABANYA PAL

Economics (Honours & General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC1: Introductory Microeconomics Unit 3. Producer Behaviour; Production function	8	CC6: Intermediate Macroeconomics Unit 1. Investment function	12	CC11: International Economics Unit 1. Trade: Ideas and Concepts	10
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 2. Producer's Behaviour; Production function	7	CC – 1C/GE3: Development Economics Economic Growth;	3	DSE 1A: Basic Statistics GE -1: Basic Economics Unit 5. The National Income Accounting	10 6
August	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC1: Introductory Microeconomics Unit 3. Producer Behaviour; Isoquant MRTS, producer's equilibrium–Output maximization -	8	CC6: Intermediate Macroeconomics Unit 2. The classical system	12	CC11: International Economics Unit 2. Pure Theory of Trade:	12
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 2. Producer's Behaviour; Cost function	7	CC – 1C/GE3: Development Economics Economic Growth; SEC1: Basic Computer Applications (Theory + Practical)	5 (3+2)	DSE 1A: Basic Statistics GE -1: Basic Economics Unit 5. The National Income accounting	10 7
September	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC1: Introductory Microeconomics Unit 3.: Producer Behaviour; Elasticity of substitution, RTS, Cobb-Douglas and CES Production function	8	CC6: Intermediate Macroeconomics Unit 3. The Complete Keynesian model	12	CC11: International Economics Unit 2. Pure Theory of Trade:	12
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 2. Producer's Behaviour; Revenue function	7	CC – 1C/GE3: Development Economics Economic Growth; SEC1: Basic Computer Applications (Theory + Practical)	5 (2+3)	DSE 1A: Basic Statistics GE -1: Basic Economics Unit 5. The National Income Accounting	10 7

	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture		
January	CC3: Introductory Macroeconomics Unit 4. The Simple Keynesian model of income determination---	8	CC9: Statistical Methods – II Unit 1. Set Theory Unit 3. Random Variables and related concepts:	4 4	CC13: Basic Econometrics 1. Nature and Scope of Econometrics 2. Simple Linear Regression Model: Two Variable Cases	3 7		
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture		
	CC – 1B/GE2: Macroeconomics Unit 2. Money market	7	CC – 1D/GE4 Features of Indian Economy Unit 3. Agriculture:	4	GE - 2: Indian Economic Development Unit 2.1 Agriculture	4		
February	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture		
	CC3: Introductory Macroeconomics Unit 4. The Simple Keynesian model of income determination—	8	CC9: Statistical Methods – II Unit 2: Probability Theory	10	CC13: Basic Econometrics Unit 2. Simple Linear Regression Model: Two Variable Cases	10		
			SEC2: Basic Computer Applications Unit1: File Creation and Management System	Theory	3	CC14: Field Survey and Project Report	Theory	7
				Practical	2		Practical	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture		
CC – 1B/GE2: Macroeconomics Unit 3. Simple Keynesian theory of income and employment:	7	CC – 1D/GE4 Features of Indian Economy Unit 3. Agriculture:	4	GE - 2: Indian Economic Development Unit 2.1 Agriculture:	4			
March	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture		
	CC3: Introductory Macroeconomics Unit 5. Money market--	8	CC9: Statistical Methods – II Unit4. Univariate Probability Distributions	10	CC13: Basic Econometrics Unit 3. Multiple Linear Regression Model (in 3 variable setup)	13		
			SEC2: Basic Computer Applications Unit2. Word Processing	Theory	2	CC14 Field Survey and Project Report	Theory	8
				Practical	3		Practical	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture		

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	CC - 1B/GE2: Macroeconomics 4. IS-LM model	7	CC - 1D/GE4 Features of Indian Economy Unit 3. Agriculture:	4	GE - 2: Indian Economic Development Unit 2.1 Agriculture	3						
April	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture						
	CC3: Introductory Macroeconomics Unit 5. Money market--	8	CC9: Statistical Methods - II Unit 5. Sampling Theory and Sampling Distributions:	12	CC13: Basic Econometrics Unit 3. Multiple Linear Regression Model (in 3 variable setup) Unit 4. Violations of Classical Assumptions: Sources, Consequences, Detection	7						
							SEC2 Basic Computer Applications 3. Spread Sheet Solutions	Theory	4	CC14: Field Survey and Project Report	Theory	8
								Practical	7		Practical	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture						
CC - 1B/GE2: Macroeconomics Unit 5. The classical system	7	CC - 1D/GE4 Features of Indian Economy Unit 4. Industry:	4	GE - 2: Indian Economic Development Unit 2.1. Agriculture:	3							
May	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture						
	CC3: Introductory Macroeconomics Unit 6. Interaction between commodity market and money market (IS-LM model)	10	CC9: Statistical Methods - II Unit 7. Estimation:	10	CC13: Basic Econometrics 4. Violations of Classical Assumptions: Sources, Consequences, Detection	10						
							SEC2: Basic Computer Applications Unit4: Presentations	Theory	3	CC14: Field Survey and Project Report	Theory	8
								Practical	4		Practical	10
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture						
CC - 1B/GE2: Macroeconomics Unit 5. The classical system	7	CC - 1D/GE4 Features of Indian Economy: Unit 4. Industry:	4	GE - 2: Indian Economic Development Unit 2.2. Industry	4							

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June	Sem-II (H)	No. of Lecture	Sem-IV (H)	No. of Lecture	Sem-VI (H)	No. of Lecture
	CC3: Introductory Macroeconomics Unit 6. Interaction between commodity market and money market (IS-LM model)	4	CC9: Statistical Methods – II Unit 8. Testing of Hypothesis:	8	CC13: Basic Econometrics Unit 5. Specification Analysis	7
	Sem-II (G)	No. of Lecture	Sem-IV (G)	No. of Lecture	Sem-VI (G)	No. of Lecture
CC – 1B/GE2: Macroeconomics Supply of money – Different sources of money supply – M ₁ , M ₂ , M ₃ , and M ₄ – functions of money	4	CC – 1D/GE4 Features of Indian Economy: Unit 4. Industry:	4	GE - 2: Indian Economic Development Unit 2.2. Industry	4	

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DEPARTMENT OF ECONOMICS

TEACHING PLAN OF PROF. RAMANANDA ROY

Economics (Honours & General) (2021-22) (July 2021 – June 2022)

Month	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
July	CC1: Introductory Microeconomics Unit 1. General Concept	8	CC6: Intermediate Microeconomics Unit 1. Imperfect Competition: Theory of monopoly	6	DSE 2 Public Economics Unit 1: Introduction to Public Finance	15
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 1. Consumer's Behaviour: A. Utility	4	CC – 1C/GE3: Development Economics Poverty and Inequality	3	DSE 1A: Economic History of India: Unit 1: 1. Introduction:	10 6
August	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC1: Introductory Microeconomics Unit 2. Consumer Behaviour: The Marshallian Approach	4	CC6: Intermediate Microeconomics Unit 1. Imperfect Competition: Theory of monopoly-discriminating monopoly, duopoly	6	DSE 2 Public Economics Unit 2: Principles of Taxation	15
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit 1. Consumer Behaviour: B. Indifference Curve approach	4	CC – 1C/GE3: Development Economics Poverty and Inequality- Gender Inequality – Gender Development Index	5 (3+2)	DSE 1A: Economic History of India: Unit 2 Macro Trends National Income; population	13
September	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC1: Introductory Microeconomics Unit 2. Consumer Behaviour: Indifference curve approach	4	Theory: CC6: Intermediate Microeconomics Unit 2 & 3. Theory of oligopoly & Factor Pricing	12	DSE 2 Public Economics Unit 3: Public Expenditure and Public Debt	15
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture

	CC-1A/GE1 Microeconomics Unit1. Consumer Behaviour: Indifference curve approach	4	CC - 1C/GE3: Development Economics Poverty and Inequality: ; poverty measurement, SEC1:CC - 1D : Features of Indian Economy	5 (2+3)	DSE 1A: Economic History of India: Unit 3. Agriculture	10
October	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC1: Introductory Microeconomics Unit2. Consumer Behaviour: Elasticities of demand	5	CC6: Intermediate Microeconomics Unit 1. Theory of Factor Pricing: wage, rent	8	DSE 2 Public Economics Unit 4. Compensatory Fiscal Policy:	12
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Microeconomics Unit1. Elasticity of Demand	4	CC - 1C/GE3: Development Economics Poverty and inequality SEC1: CC - 1D Features of Indian Economy	7 (3+4)	DSE 1A: Economic History of India: Unit 4. Railways and Industry:	10 4
November	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC1: Introductory Microeconomics Unit 2. Consumer behaviour Elasticities of demand	4	CC6: Intermediate Microeconomics Unit 4. General Equilibrium and Economic Welfare	8	DSE 2 Public Economics Unit 4. Compensatory Fiscal Policy	12
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture
	CC-1A/GE1 Unit1C. Microeconomics Elasticity of Demand	3	CC - 1C/GE3: Development Economics Poverty and inequality SEC1: CC - 1D Features of Indian Economy	7 (3+4)	DSE 1A: Economic History of India: Unit 5. Economy and State in the Imperial Context:	10 4
December	Sem-I (H)	No. of Lecture	Sem-III (H)	No. of Lecture	Sem-V (H)	No. of Lecture
	CC1: Introductory Microeconomics Unit 2. Consumer behaviour The Revealed Preferences approach	4	CC6: Intermediate Microeconomics Unit 4. General Equilibrium and Economic Welfare	10	DSE 2 Public Economics Unit 2: Principles of Taxation	7
	Sem-I (G)	No. of Lecture	Sem-III (G)	No. of Lecture	Sem-V(G)	No. of Lecture

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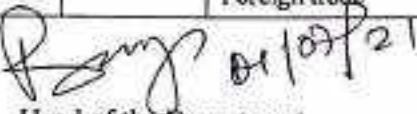


	CC-1A/GE1 Microeconomics Unit C. Elasticity of Demand	3	CC - 1C/GE3: Development Economics Poverty and inequality SEC1: CC - 1D Human resources and economy development:	4 (2+3)	DSE 1A: Economic History of India: Unit 5. Economy and State in the Imperial Context:	9
January	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC3: Introductory Macroeconomics Unit 1. Introduction:	5	CC10: Development Economics Unit 1 Economic Development	6	DSE 3 Political Economy Unit 1: Classical Economic Thoughts:	10
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	CC - 1B/GE2: Macroeconomics Unit 1. The National Income and products accounts	4	CC - 1D/GE4 Features of Indian Economy Unit 2. Human resources and economy development:	4	GE - 2: Indian Economic Development Unit1. Meaning of Economic Development and Growth	8
February	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC3: Introductory Macroeconomics Unit 2. The National Income and products accounts: Defn. concept and measurement, methods of measurement.	5	CC10: Development economics Unit 2 Development and Underdevelopment as a Historical Process SEC2: DSE 2 Public Economics	15 10	DSE 3 Political Economy Unit 1: Classical Economic Thoughts	10
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	CC - 1B/GE2: Macroeconomics Unit 1. The National Income and products accounts	4	CC - 1D/GE4 Features of Indian Economy Unit 2. Human resources and economy development:	4	GE - 2: Indian Economic Development Meaning of Economic Development and Growth	8
March	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC3: Introductory Macroeconomics Unit 2. National Income accounting	5	CC10: Development economics: Unit 3. Persistence of Underdevelopment and Way to Develop	10	DSE 3 Political Economy Unit 1: Classical Economic Thoughts	10

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	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	CC - 1B/GE2: Macroeconomics Unit 1: National Income accounting	4	CC - 1D/GE4 Features of Indian Economy Unit 6. Indian Public Finance:	4	GE - 2: Indian Economic Development Unit 5: Foreign trade	4
April	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC3: Introductory Macroeconomics Unit 2. The National Income Accounting	5	CC10: Development economics: Unit 3: Persistence of Underdevelopment and Way to Develop	10	DSE 3 Political Economy Unit 2. Political System	15
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	CC - 1B/GE2: Macroeconomics Unit 2. Money Demand	4	CC - 1D/GE4 Features of Indian Economy Indian Public Finance:	4	GE - 2: Indian Economic Development Unit 5. Foreign trade	4
May	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC3: Introductory Macroeconomics Unit 3. Keynesian Consumption function: and its properties	4	CC10: Development economics: Unit 3: Persistence of Underdevelopment and Way to Develop	10	DSE 3 Political Economy Unit 3: Analysing the social changes:	20
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	CC - 1B/GE2: Macroeconomics Unit 2. Money Demand	4	CC - 1D/GE4 Features of Indian Economy: Indian Public Finance	4	GE - 2: Indian Economic Development Unit 4. Indian Public Finance	4
June	Sem-II (H)		Sem-IV (H)		Sem-VI (H)	
	CC3: Introductory Macroeconomics Unit 3. Consumption function	4	CC10: Development economics: Unit 4 & 5. Development Strategy & Migration and Development	13 8+5	DSE 3 Political Economy Unit 4. The state and the economy	10
	Sem-II (G)		Sem-IV (G)		Sem-VI (G)	
	CC - 1B/GE2: Macroeconomics Unit 2. Money supply	3	CC - 1D/GE4 Features of Indian Economy: Indian Public Finance:	4	GE - 2: Indian Economic Development Unit 5. Foreign trade	5


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