

ACADEMIC CALENDAR
DEPARTMENT OF GEOGRAPHY
2019-20 (CBCS SYLLABUS)
PAPER CODE: GEOACOR01T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS	I	1.Geological Time Scale 2. Isostasy, Models of Airy & Pratt 3. Plate Tectonics 4. folds & faults	S.R S.D S.DH S.DH	60	July-August July-August August-September	
I		II	5.Degradational Processes 6.Uniclinal & Folded Structures 7. Granitic Basaltic Landforms 8.Coastal Processes 9. Glacial & Glacio-Fluvial Processes 10. Aeolian & Fluvio-Aeolian Processes 11. Davis, Penck & Hack	M.B M.B S.DH S.DH S.DH M.B		August-September September-October October-November December-January	

PAPER CODE: GEOACOR01P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Megascopic Identification of Rocks & Minerals 2. Interpretation of Geological Maps	S.DH M.B	60	July -January	

PAPER CODE: GEOACOR02T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Classification& Types of maps 2. Concept Of Scales 3. Reference Scheme Of SOI Topographical maps 4. Co-ordinate systems 5. Generating Globe & UTM projection 6. Angular & linear systems of measurements 7. Map Projections	S.D S.D M.B S.R S.R S.R S.R	60	July – December	

PAPER CODE: GEOACOR02P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Drawing Of Scales 2. SOI Topographical maps interpretation 3. Transect Chart 4. Map Projections	S.D M.B M.B S.R	60	July – December	

PAPER CODE: - GEOACOR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
II	HONOURS	I	Nature and principals of Human Geography- Nature, scope, race, ethnicity, society and cultural regions	S.D	30	February-April	
II		II	Society, Demography and Ekistics 1.Evolution of Human society 2.Eskimo, Masai, Maori, Population Growth, Demographic transition, Rural and Urban settlements 3.Population resource regions	SDH S.R M.B	20 30 10	February-March February-April February-March	

PAPER CODE - GEOACOR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURE S	DISTRIBUTIO N	PROJECT
II	HONOURS		1. Rounding, Scientific notation, Log scale 2. Representation of Data- Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 3. Socio-economic maps 4. Land use, Land cover maps 5. Prismatic Compass, Dumpy Level, Theodolite	S.R SDH M.B M.B	60	February-March February-April March-May	

PAPER CODE -GEOACOR04P

SEMESTER	HONS/GENER AL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT
II	HONOURS		1.Representation of Data- Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 2.Traverse Survey, Profile Survey, Prismatic Compass, Dumpy Level	SDH M.B	60	February-April March-May	

PAPER CODE: GEOACOR05T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	HONOURS	I	1.Layers of atmosphere 2. insolation & Heat Budget 3. temperature 4. greenhouse effect	S.DH	60	July-August July-August August-September	
III		II	5.condensation 6.air mass 7. fronts 8.stability & instability 9. jet stream & Planetary winds 10. cyclones 11. monsoons 12. climatic classification	S.DH M.B S.DH M.B S.DH S.DH		August-September September-October October-November December-January	

PAPER CODE: GEOACOR05P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Weather maps 2. Hythergraph, climograph 3. wind- rose	S.DH	60	July -January	

PAPER CODE: GEOACOR06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I-India	1.Physiographic Divisions of India 2. climate, soil , vegetation 3. population 4. tribes 5. Green Revolution 6. minerals, power resources 7. industry 8. regionalisation	M.B	60	July-August July-August August-September	
III		II- West Bengal	9. physical perspective 10. Agriculture, mining & Industry 11. population 12. regional issues	S.D		August-January	

PAPER CODE: GEOACOR07T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I	1.Importance of Statistics 2. types of data 3. sources of data 4. statistical tables 5. sampling 6. frequency Distribution	S.R S.R S.R S.R M.B S.R	60	July-August July-August August-September	
III		II	7. Measures of Central tendency 8.dispersion 9. association & correlation 10. Regression 11. Time series	S.R S.R S.R S.R S.R		August-December	

PAPER CODE: GEOACOR07P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Data Matrix 2. Frequency Table, Central Tendency, Dispersion 3. Sampling 4. scatter diagram	S.R S.R M.B S.R	60	July -January	

PAPER CODE-GEOSSEC01M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT IF ANY
III	HONS AND GENERAL		1. Principles of remote sensing:- satellites, sensors 2. IRS and Landsat missions 3. FCC, Landsat TM, OLI 4. LULC feature from satellites images	SD	30	July-December	Project work Done

PAPER CODE:-GEOACOR08T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Regional Planning- Concept, types Principles, tools, Techniques, multi-level planning in India, Urban agglomerations	M.B	30	February-April	
IV		II	1. Regional development-growth-indicators of development, Human development, Under development, Regional development in India 2. Cumulative causation(Myrdal), Growth pole, Stages of development (Rostow)	M.B S.R	30 30	February-April February-March	

PAPER CODE- GEOACOR09T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
IV	HONOURS	I	Concept of Economic Geography-Goods and services, Production, Consumption, Economic man, Economic distance	S.D	30	February-March	
IV		II	1. Economic activities-classification, Von Thunen, Weber, Agriculture, forestry, Fishing, Mining, Manufacturing, tertiary activities 2. Mixed farming, sea routes, railways, highways, WTO,GATT,BRICS	S.D S.R	30 30	March-May February-May	

PAPER CODE:-GEOACOR10T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Holistic and systems approach to environment, eco-systems, environmental problems	SDH	30	February-March	
IV		II	Environmental problems and policies- pollution and degradation, waste management, environmental policies, environmental management	SDH	30	March-May	

PAPER CODE:-GEOACOR10P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
IV	HONOURS		1. Questionnaire schedule, check list for EIA 2. Representation of CPCB and WBPCB data	SDH M.B	40 20	February-May February-April	

PAPER CODE:-GEOSSEC02M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
IV	HONS and GENERAL		1. Probability theory, Normal, Binomial and Poisson distributions 2. Sampling: proportions. 3. Correlation and Regression Analysis: Rank order correlation, product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis. 4. Time Series Analysis: Time Series processes; Smoothing time series; Time series components	SR	30	January- June	Project work Done

GEOGRAPHY GENERAL

PAPER CODE-GEOGCOR01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
I	GENERAL	I	Geotectonics and Geomorphology 1. Scope of physical Geography 2. Plate tectonic, seismic waves, granitic and limestone topography, coastal Aeolian processes 3. Normal cycle of erosion	SR SDH MB	90	July-August July- November July-August	
I		II	Climatology and Oceanography 1. Insolation and heat budget, distribution of temperature and pressure 2. Monsoon, Tropical cyclone, climatic classification 3. Hydrological cycle, ocean bottom relief, ocean currents	MB SR SD		July-October July- November July- November	

PAPER CODE- GEOGCOR02T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
II	GENERAL	I	Population and Social Geography 1. Growth and distribution of world population 2. Population composition (age, gender, literacy), migration, space and society 3. Social issues	SD SR MB	90	February-May February-May February-May	
II		II	Economic and settlement Geography 1. Sectors of economy, types of agriculture, problem and prospects of Indian industries 2. Rural and Urban settlements, world urbanization	SDH MB		February-May February-May	

PAPER CODE-GEOGCOR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
III	GENERAL		1. Map scale 2. Map projection 3. SOI Topographical maps 4. Representation of data (cartograms)	SD SR MB SDH	60	July-August July- November July- November July-August	

PAPER CODE-GEOGCOR03P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	GENERAL		1. Construction of Map scale 2. Construction of Map projection 3. Interpretation of SOI Topographical maps	SD SR MB	60	July-August July-November July-November	

PAPER CODE-GEOGCOR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
IV	GENERAL	I	1. Concept of Environmental Geography, man environment relationship in extreme climate 2. System approach, ecosystem	SD MB	90	February-May February-May	
IV		II	1. Environmental problems and management 2. Environmental programmes and policies	SDH SR		February-May February-May	

PART-III HONOURS (UNDER OLD SYLLABUS)

PAPER V

YEAR	HONS/ GENERAL	GROUP	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
III	HONOURS	A	Social, Cultural and Political Geography- culture, language, religion, ethnicity, settlements (morphology and hierarchy), Geopolitics, cold war, partition	SR	45	July-November	
III		B	Regional Geography- physical, economic and planning region, physiographic region, agricultural region, industrial region	MB	36	July-February	

PAPER-VI

YEAR	HONS/ GENERAL	GROUP	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
III	HONOURS	A	Philosophy of Geography- major postulates, contribution of Humboldt, Carl Sauer, David Harvey, positivism, quantitative revolution, radical approach	SD	24	July-February	
III		B	Contemporary issues in Geography 1. Natural Hazards and their management in the Indian subcontinent 2. Economic and Human development in the third world	SDH MB	32 26	July-March July-March	

PAPER-VII (PRACTICAL)

YEAR	HONS/ GENERAL	GROUP	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
III	HONOURS		1. Geological maps 2. Weather maps 3. Remote sensing 4. GIS 5. Field report	MB SDH MB SR S.DH	8 8 14 38 12	July-October July-January November- February July-March	Field report & practical notebook

PAPER-VIII (PRACTICAL)

YEAR	HONS/ GENERAL	GROUP	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	HONOURS	A	Statistical techniques- data, tabulation, frequency distribution, central tendency, partition values, measures of dispersion, co-efficient of variation	SR	35	July-February	Practical note book
III		B	Contemporary issues in Geography 1.Representation of climatic and hydrological data of the Indian subcontinent- climatic chart, climograph, hythergraph, station models, Rating curves 2. Economic and Human development in the third world-HDI, GDI, Questionnaire schedule measures of spatial and size-class distribution	SDH MB	20 20	July-March July-March	Practical note book

PART-III (GENERAL)

PAPER-IV

YEAR	HONS/ GENERAL	GROUP	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	GENERAL	A (Section- I)	Land use and settlement geography 1. concept and attribute of land, objective and principle of land use 2. Rural and Urban settlement (evolution, functions and morphology)	SDH MB	4 9	July-September July-September	
III		A (Section-II)	Remote sensing and thematic mapping-Aerial photo, Satellite imagery, IRS imagery, sensors and resolution	SD	17	August-February	
III		B (Practical)	Applied Geography 1. Weather maps 2. Detour index 3. Flow diagram 4. Aerial photo interpretation	SDH SR MB SD	18 7 7 14	July-January August-September August-January	Practical note book

TENTATIVE SCHEDULE OF EXAMINATION
SESSION-2019-20

SEMESTER/YEAR	HONS/GENERAL	INTERNAL ASSESSMENT	UNIVERSITY EXAM
I	HONS/GENERAL	First exam 2 nd week of September 2019 Second exam 2 nd week of November 2019	January 2020
II	HONS/GENERAL	First exam 2 nd week of April 2019 Second exam 2 nd week of May 2019	July 2020
III	HONS/GENERAL	First exam 1 st week of September 2019 Second exam 1 st week of November 2019	January 2020
IV	HONS/GENERAL	First exam 2 nd week of April 2020 Second exam 2 nd week of May 2020	July 2020
PART-III	HONS/GENERAL	Test exam 1 st week of January 2020	April 2020

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DEPARTMENT OF GEOGRAPHY
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I	HONOURS	I	1.Geological Time Scale 2. Isostasy, Models of Airy & Pratt 3. Plate Tectonics 4. folds & faults	S.R S.D S.DH S.DH	60	July-August July-August August-September	
I		II	5.Degradational Processes 6.Unicinal & Folded Structures 7. Granitic Basaltic Landforms 8.Coastal Processes 9. Glacial & Glacio-Fluvial Processes 10. Aeolian & Fluvio-Aeolian Processes 11. Davis, Penck & Hack	M.B M.B S.DH S.DH S.DH M.B		August-September September-October October-November December-January	

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SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Megascopic Identification of Rocks & Minerals 2. Interpretation of Geological Maps	S.DH M.B	60	July -January	

PAPER CODE: GEOACOR02T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Classification& Types of maps 2. Concept Of Scales 3. Reference Scheme Of SOI Topographical maps 4. Co-ordinate systems 5. Generating Globe & UTM projection 6. Angular & linear systems of measurements 7. Map Projections	S.D S.D M.B S.R S.R S.R S.R S.R	60	July – December	

PAPER CODE: GEOACOR02P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Drawing Of Scales 2. SOI Topographical maps interpretation 3. Transect Chart 4. Map Projections	S.D M.B M.B S.R	60	July – December	

PAPER CODE: - GEOACOR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
II	HONOURS	I	Nature and principals of Human Geography- Nature, scope, race, ethnicity, society and cultural regions	S.D	30	February-April	
II		II	Society, Demography and Ekistics 1.Evolution of Human society 2.Eskimo, Masai, Maori, Population Growth, Demographic transition, Rural and Urban settlements 3.Population resource regions	SDH S.R M.B	20 30 10	February-March February-April February-March	

PAPER CODE- GEOACOR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
II	HONOURS		1. Rounding, Scientific notation, Log scale 2. Representation of Data-Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 3. Socio-economic maps 4. Land use, Land cover maps 5. Prismatic Compass, Dumpy Level, Theodolite	S.R SDH M.B M.B	60	February-March February-April March-May	

PAPER CODE-GEOACOR04P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
II	HONOURS		1.Representation of Data-Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 2.Traverse Survey, Profile Survey, Prismatic Compass, Dumpy Level	SDH M.B	60	February-April March-May	

PAPER CODE: GEOACOR05T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	HONOURS	I	1.Layers of atmosphere 2. insolation & Heat Budget 3. temperature 4. greenhouse effect	S.DH	60	July-August July-August August-September	
III		II	5.condensation 6.air mass 7. fronts 8.stability & instability 9. jet stream & Planetary winds 10. cyclones 11. monsoons 12. climatic classification	S.DH M.B S.DH M.B S.DH S.DH		August-September September-October October-November December-January	

PAPER CODE: GEOACOR05P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Weather maps 2. Hythergraph, climograph 3. wind- rose	S.DH	60	July -January	

PAPER CODE: GEOACOR06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I-India	1.Physiographic Divisions of India 2. climate, soil , vegetation 3. population 4. tribes 5. Green Revolution 6. Minerals, Power Resources 7. Industry 8. Regionalization	M.B	60	July-August July-August August-September	
III		II- West Bengal	9. physical perspective 10. Agriculture, mining & Industry 11. population 12. regional issues	S.D		August-January	

PAPER CODE: GEOACOR07T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I	1.Importance of Statistics 2. types of data 3. sources of data 4. statistical tables 5. sampling 6. frequency Distribution	S.R S.R S.R M.B S.R	60	July-August July-August August-September	
III		II	7. Measures of Central tendency 8.dispersion 9. association & correlation 10. Regression 11. Time series	S.R S.R S.R S.R S.R		August-December	

PAPER CODE: GEOACOR07P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Data Matrix 2. Frequency Table, Central Tendency, Dispersion 3. Sampling 4. scatter diagram	S.R S.R M.B S.R	60	July -January	

PAPER CODE-GEOSSEC01M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT IF ANY
III	HONS AND GENERAL		1. Principles of remote sensing:- satellites, sensors 2. IRS and Landsat missions 3. FCC, Landsat TM, OLI 4. LULC feature from satellites images	SD	30	July-December	Project work Done

PAPER CODE:-GEOACOR08T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Regional Planning- Concept, types Principles, tools, Techniques, multi-level planning in India, Urban agglomerations	M.B	30	February-April	
IV		II	1. Regional development-growth-indicators of development, Human development, Under development, Regional development in India 2. Cumulative causation(Myrdal), Growth pole, Stages of development (Rostow)	M.B S.R	30 30	February-April February-March	

PAPER CODE- GEOACOR09T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
IV	HONOURS	I	Concept of Economic Geography-Goods and services, Production, Consumption, Economic man, Economic distance	S.D	30	February-March	
IV		II	1. Economic activities-classification, Von Thunen, Weber, Agriculture, forestry, Fishing, Mining, Manufacturing, tertiary activities 2. Mixed farming, sea routes, railways, highways, WTO,GATT,BRICS	S.D S.R	30 30	March-May February-May	

PAPER CODE:-GEOACOR10T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Holistic and systems approach to environment, eco-systems, environmental problems	SDH	30	February-March	
IV		II	Environmental problems and policies- pollution and degradation, waste management, environmental policies, environmental management	SDH	30	March-May	

PAPER CODE:-GEOACOR10P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
IV	HONOURS		1. Questionnaire schedule, check list for EIA	SDH	40	February-May	
			2. Representation of CPCB and WBPCB data	M.B	20	February-April	

PAPER CODE:-GEOSSEC02M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
IV	HONS and GENERAL		1. Probability theory, Normal, Binomial and Poisson distributions 2. Sampling: proportions. 3. Correlation and Regression Analysis: Rank order correlation, product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis. 4. Time Series Analysis: Time Series processes; Smoothing time series; Time series components	SR	30	January- June	Project work Done

PAPER CODE: GEOACOR11T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.Research Methodology: literature review, research problem, materials & methods, report writing	S.R	60	July-September	
V		II	2. Fieldwork-significance, techniques & tools, landscape survey, sample collection, tabulation	S.R		September-December	

PAPER CODE: GEOACOR11P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		Preparation of field reports	M.B	60	July -January	Submission of field reports

PAPER CODE: GEOACOR12T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.Principles of Remote sensing- satellites, sensors, FCC, Landsat TM, OLI, LULC	M.B	30	July-December	
V		II	2. GIS & GNSS- raster, vector, overlay analysis, waypoints, area & Length calculation	S.D	30	July-December	

PAPER CODE: GEOACOR12P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		1.Remote Sensing & GIS- georeferencing, digitization, preparation of thematic maps 2. Preparation FCC	S.R M.B	60	July -January	

PAPER CODE:-GEOADSE01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Soil Geography-formation, profile, texture, structure, moisture PH, Organic matter, NPK, Soil erosion, Soil classification	MB	35	February-May	
V		II	Bio Geography- Biosphere, Eco system, Biome, Ecotone, Niche, trophic structure, Bio-geo chemical cycles, Taiga, Tropical and grassland Biome, Conservation of Biodiversity	SDH	40	February-May	

PAPER CODE:- GEOADSE03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Population dynamics- Concept of demography, population data, population distribution density, growth, classical and modern theories in population distribution and growth	SD	30	February- March	
V		II	Population and development- 1. Fertility, Mortality, Urbanisation, Migration 2. Age-Sex composition, Rural-Urban composition, Human development, Population Policies, Contemporary issues in population	SDH SD	30 15	March-May April-May	

PAPER CODE:-GEOACOR13T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Nature of pre-modern Geography- contributions of Greek and Chinese, Arab, Dark age, Dualism in Geography	SD	45	February- March	
VI		II	Foundations of modern Geography and recent trends- concept of Germany, France, Britain, USA, Contributions of Humboldt, Ritter, Ratzel, Richthofen, Vidal de La Blache Quantitative revolution, system approach	SD	45	March-May	

PAPER CODE:- GEOACOR14T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Concept of Hazard and Disaster, Vulnerability, preparedness, Hazard mapping	SDH	30	February- March	
VI		II	Hazard specific study- earth quake, land slide, tropical cyclone, river bank erosion, Radioactive fall out	SDH	30	March-May	

PAPER CODE:-GEOACOR14P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS		Project report based on any one case study of the following- Thunderstorm, landslide, Flood, River bank erosion, Fire, industrial accident, structural collapse	SDH	60	February-May	

PAPER CODE:-GEOADSE04T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Hydrology- Hydrological cycle, Run off, Infiltration, evapotranspiration, Ground water, Drainage basin	MB	40	February-March	
VI		II	Oceanography-ocean floor, Physical and chemical properties of ocean water, salinity, marine resources, sea level change	MB	50	March-May	

PAPER CODE:-GEOADSE06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Resource and development- concept, classification, utilization, economic growth and development, global scenario of resource depletion, sustainable development	SR	40	February-April	
VI		II	Resource conflict and management- mineral resources, energy resources, energy crisis and future scenario, limits to growth and sustainable use of resources	SR	50	March-May	

GEOGRAPHY GENERAL

PAPER CODE- GEOGCOR01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
I	GENERAL	I	Geotectonics and Geomorphology 1. Scope of physical Geography 2. Plate tectonic, seismic waves, granitic and limestone topography, coastal Aeolian processes 3. Normal cycle of erosion	SR SDH MB	90	July-August July- November July-August	
I		II	Climatology and Oceanography 1. Insolation and heat budget, distribution of temperature and pressure 2. Monsoon, Tropical cyclone, climatic classification 3. Hydrological cycle, ocean bottom relief, ocean currents	MB SR SD		July-October July- November July- November	

PAPER CODE- GEOGCOR02T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
II	GENERAL	I	Population and Social Geography 1. Growth and distribution of world population 2. Population composition (age, gender, literacy), migration, space and society 3. Social issues	SD SR MB	90	February-May February-May February-May	
II		II	Economic and settlement Geography 1. Sectors of economy, types of agriculture, problem and prospects of Indian industries 2. Rural and Urban settlements, world urbanization	SDH MB		February-May February-May	

PAPER CODE-GE06COR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
III	GENERAL		1. Map scale 2. Map projection 3. SOI Topographical maps 4. Representation of data (cartograms)	SD SR MB SDH	60	July-August July- November July- November July-August	

PAPER CODE-GE06COR03P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	GENERAL		1. Construction of Map scale 2. Construction of Map projection 3. Interpretation of SOI Topographical maps	SD SR MB	60	July-August July-November July-November	

PAPER CODE-GE06COR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
IV	GENERAL	I	1. Concept of Environmental Geography, man environment relationship in extreme climate 2. System approach, ecosystem	SD MB	90	February-May February-May	
IV		II	1. Environmental problems and management 2. Environmental programmes and policies	SDH SR		February-May February-May	

PAPER CODE-GEODSE01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
v	GENERAL	I	Soil Geography 1. Factors of formation, Soil profile 2. Soil properties (texture, structure, moisture, PH, organic matter),soil classification	SR MB MB	90	July-November July-August	
V		II	Bio Geography 1.Biosphere, eco system, biome, eco tone, community, succession, energy flow in ecosystem 2.Tropical rain forest and grassland biome, bio- geochemical cycles	SDH SD		July-October July-November	

PAPER CODE-GEODSE04P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
VI	GENERAL		Project report based on field work	SD	75	February-May	Field report submitted

TENTATIVE SCHEDULE OF EXAMINATION

SESSION-2020-21

SEMESTER/YEAR	HONS/GENERAL	INTERNAL ASSESSMENT	UNIVERSITY EXAM
I	HONS/GENERAL	First exam 2 nd week of September 2020 Second exam 2 nd week of November 2020	January 2021
II	HONS/GENERAL	First exam 2 nd week of March 2021 Second exam 2 nd week of May 2021	July 2021
III	HONS/GENERAL	First exam 1 st week of September 2020 Second exam 1 st week of November 2020	January 2021
IV	HONS/GENERAL	First exam 2 nd week of March 2021 Second exam 2 nd week of May 2021	July 2021
V	HONS/GENERAL	First exam 1 st week of September 2020 Second exam 1 st week of November 2020	January 2021
VI	HONS/GENERAL	First exam 2 nd week of March 2021 Second exam 2 nd week of May 2021	July 2021

ACADEMIC CALENDAR
DEPARTMENT OF GEOGRAPHY
2021-22(CBCS SYLLABUS)
PAPER CODE: GEOACOR01T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS	I	1.Geological Time Scale 2. Isostasy, Models of Airy & Pratt 3. Plate Tectonics 4. folds & faults	S.R S.D S.DH S.DH	60	July-August July-August August-September	
I		II	5.Degradational Processes 6.Unicinal & Folded Structures 7. Granitic Basaltic Landforms 8.Coastal Processes 9. Glacial & Glacio-Fluvial Processes 10. Aeolian & Fluvio-Aeolian Processes 11. Davis, Penck & Hack	M.B M.B S.DH S.DH S.DH M.B		August-September September-October October-November December-January	

PAPER CODE: GEOACOR01P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Megascopic Identification of Rocks & Minerals 2. Interpretation of Geological Maps	S.DH M.B	60	July -January	

PAPER CODE: GEOACOR02T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Classification& Types of maps 2. Concept Of Scales 3. Reference Scheme Of SOI Topographical maps 4. Co-ordinate systems 5. Generating Globe & UTM projection 6. Angular & linear systems of measurements 7. Map Projections	S.D S.D M.B S.R S.R S.R S.R S.R	60	July – December	

PAPER CODE: GEOACOR02P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Drawing Of Scales 2. SOI Topographical maps interpretation 3. Transect Chart 4. Map Projections	S.D M.B M.B S.R	60	July – December	

PAPER CODE - GEOACOR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
II	HONOURS	I	Nature and principals of Human Geography- Nature, scope, race, ethnicity, society and cultural regions	S.D	30	February- April	
II		II	Society, Demography and Ekistics 1.Evolution of Human society 2.Eskimo, Masai, Maori, Population Growth, Demographic transition, Rural and Urban settlements 3.Population resource regions	SDH S.R M.B	20 30 10	February- March February- April February- March	

PAPER CODE- GEOACOR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURE S	DISTRIBUTIO N	PROJECT
II	HONOURS		1. Rounding, Scientific notation, Log scale 2. Representation of Data-Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 3. Socio-economic maps 4. Land use, Land cover maps 5. Prismatic Compass, Dumpy Level, Theodolite	S.R SDH M.B M.B	60	February- March February- April March-May	

PAPER CODE:-GEOACOR04P

SEMESTER	HONS/GENER AL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT
II	HONOURS		1.Representation of Data-Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 2.Traverse Survey, Profile Survey, Prismatic Compass, Dumpy Level	SDH M.B	60	February- April March-May	

PAPER CODE: GEOACOR05T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	HONOURS	I	1.Layers of atmosphere 2. insolation & Heat Budget 3. temperature 4. greenhouse effect	S.DH	60	July-August July-August August- September	
III		II	5.condensation 6.air mass 7. fronts 8.stability & instability 9. jet stream & Planetary winds 10. cyclones 11. monsoons 12. climatic classification	S.DH M.B S.DH M.B S.DH S.DH		August- September September- October October- November December- January	

PAPER CODE: GEOACOR05P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Weather maps 2. Hythergraph, climograph 3. wind- rose	S.DH	60	July -January	

PAPER CODE: GEOACOR06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I-India	1.Physiographic Divisions of India 2. climate, soil , vegetation 3. population 4. tribes 5. Green Revolution 6. Minerals, Power Resources 7. Industry 8. Regionalization	M.B	60	July-August July-August August-September	
III		II- West Bengal	9. physical perspective 10. Agriculture, mining & Industry 11. population 12. regional issues	S.D		August-January	

PAPER CODE: GEOACOR07T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I	1.Importance of Statistics 2. types of data 3. sources of data 4. statistical tables 5. sampling 6. frequency Distribution	S.R S.R S.R M.B S.R	60	July-August July-August August-September	
III		II	7. Measures of Central tendency 8.dispersion 9. association & correlation 10. Regression 11. Time series	S.R S.R S.R S.R S.R		August-December	

PAPER CODE: GEOACOR07P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Data Matrix 2. Frequency Table, Central Tendency, Dispersion 3. Sampling 4. scatter diagram	S.R S.R M.B S.R	60	July -January	

PAPER CODE-GEOSSEC01M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT IF ANY
III	HONS AND GENERAL		1. Principles of remote sensing:- satellites, sensors 2. IRS and Landsat missions 3. FCC, Landsat TM, OLI 4. LULC feature from satellites images	SD	30	July-December	Project work Done

PAPER CODE:-GEOACOR08T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Regional Planning- Concept, types Principles, tools, Techniques, multi-level planning in India, Urban agglomerations	M.B	30	February-April	
IV		II	1. Regional development-growth-indicators of development, Human development, Under development, Regional development in India 2. Cumulative causation(Myrdal), Growth pole, Stages of development (Rostow)	M.B S.R	30 30	February-April February-March	

PAPER CODE- GEOACOR09T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
IV	HONOURS	I	Concept of Economic Geography-Goods and services, Production, Consumption, Economic man, Economic distance	S.D	30	February-March	
IV		II	1. Economic activities-classification, Von Thunen, Weber, Agriculture, forestry, Fishing, Mining, Manufacturing, tertiary activities 2. Mixed farming, sea routes, railways, highways, WTO,GATT,BRICS	S.D S.R	30 30	March-May February-May	

PAPER CODE:-GEOACOR10T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Holistic and systems approach to environment, eco-systems, environmental problems	SDH	30	February-March	
IV		II	Environmental problems and policies- pollution and degradation, waste management, environmental policies, environmental management	SDH	30	March-May	

PAPER CODE:-GEOACOR10P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
IV	HONOURS		1. Questionnaire schedule, check list for EIA	SDH	40	February-May	
			2. Representation of CPCB and WBPCB data	M.B	20	February-April	

PAPER CODE:-GEOSSEC02M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
IV	HONS and GENERAL		1. Probability theory, Normal, Binomial and Poisson distributions 2. Sampling: proportions. 3. Correlation and Regression Analysis: Rank order correlation, product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis. 4. Time Series Analysis: Time Series processes; Smoothing time series; Time series components	SR	30	January- June	Project work Done

PAPER CODE: GEOACOR11T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.Research Methodology: literature review, research problem, materials & methods, report writing	S.R	60	July-September	
V		II	2. Fieldwork-significance, techniques & tools, landscape survey, sample collection, tabulation	S.R		September-December	

PAPER CODE: GEOACOR11P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		Preparation of field reports	M.B	60	July -January	Submission of field reports

PAPER CODE: GEOACOR12T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.Principles of Remote sensing- satellites, sensors, FCC, Landsat TM, OLI, LULC	M.B	30	July-December	
V		II	2. GIS & GNSS- raster, vector, overlay analysis, waypoints, area & Length calculation	S.D	30	July-December	

PAPER CODE: GEOACOR12P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		1.Remote Sensing & GIS- georeferencing, digitization, preparation of thematic maps 2. Preparation FCC	S.R M.B	60	July -January	

PAPER CODE:-GEOADSE01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Soil Geography-formation, profile, texture, structure, moisture PH, Organic matter, NPK, Soil erosion, Soil classification	MB	35	February-May	
V		II	Bio Geography- Biosphere, Eco system, Biome, Eco tone, Niche, trophic structure, Bio-geo chemical cycles, Taiga, Tropical and grassland Biome, Conservation of Biodiversity	SDH	40	February-May	

PAPER CODE:- GEOADSE03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Population dynamics- Concept of demography, population data, population distribution density, growth, classical and modern theories in population distribution and growth	SD	30	February- March	
V		II	Population and development- 1. Fertility, Mortality, Urbanisation, Migration 2. Age-Sex composition, Rural-Urban composition, Human development, Population Policies, Contemporary issues in population	SDH SD	30 15	March-May April-May	

PAPER CODE:-GEOACOR13T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Nature of pre-modern Geography- contributions of Greek and Chinese, Arab, Dark age, Dualism in Geography	SD	45	February- March	
VI		II	Foundations of modern Geography and recent trends- concept of Germany, France, Britain, USA, Contributions of Humboldt, Ritter, Ratzel, Richthofen, Vidal de La Blache Quantitative revolution, system approach	SD	45	March-May	

PAPER CODE:- GEOACOR14T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Concept of Hazard and Disaster, Vulnerability, preparedness, Hazard mapping	SDH	30	February- March	
VI		II	Hazard specific study- earth quake, land slide, tropical cyclone, river bank erosion, Radioactive fall out	SDH	30	March-May	

PAPER CODE:-GEOACOR14P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS		Project report based on any one case study of the following- Thunderstorm, landslide, Flood, River bank erosion, Fire, industrial accident, structural collapse	SDH	60	February-May	

PAPER CODE:-GEOADSE04T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Hydrology- Hydrological cycle, Run off, Infiltration, evapotranspiration, Ground water, Drainage basin	MB	40	February-March	
VI		II	Oceanography-ocean floor, Physical and chemical properties of ocean water, salinity, marine resources, sea level change	MB	50	March-May	

PAPER CODE:-GEOADSE06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Resource and development- concept, classification, utilization, economic growth and development, global scenario of resource depletion, sustainable development	SR	40	February-April	
VI		II	Resource conflict and management- mineral resources, energy resources, energy crisis and future scenario, limits to growth and sustainable use of resources	SR	50	March-May	

GEOGRAPHY GENERAL

PAPER CODE- GEOGCOR01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
I	GENERAL	I	Geotectonics and Geomorphology 1. Scope of physical Geography 2. Plate tectonic, seismic waves, granitic and limestone topography, coastal Aeolian processes 3. Normal cycle of erosion	SR SDH MB	90	July-August July-November July-August	
I		II	Climatology and Oceanography 1. Insolation and heat budget, distribution of temperature and pressure 2. Monsoon, Tropical cyclone, climatic classification 3. Hydrological cycle, ocean bottom relief, ocean currents	MB SR SD		July-October July-November July-November	

PAPER CODE- GEOGCOR02T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
II	GENERAL	I	Population and Social Geography 1. Growth and distribution of world population 2. Population composition (age, gender, literacy), migration, space and society 3. Social issues	SD SR MB	90	February-May February-May February-May	
II		II	Economic and settlement Geography 1. Sectors of economy, types of agriculture, problem and prospects of Indian industries 2. Rural and Urban settlements, world urbanization	SDH MB		February-May February-May	

PAPER CODE-GEOGCOR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
III	GENERAL		1. Map scale 2. Map projection 3. SOI Topographical maps 4. Representation of data (cartograms)	SD SR MB SDH	60	July-August July- November July- November July-August	

PAPER CODE-GEOGCOR03P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	GENERAL		1. Construction of Map scale 2. Construction of Map projection 3. Interpretation of SOI Topographical maps	SD SR MB	60	July-August July-November July-November	

PAPER CODE-GEOGCOR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
IV	GENERAL	I	1. Concept of Environmental Geography, man environment relationship in extreme climate 2. System approach, ecosystem	SD MB	90	February-May February-May	
IV		II	1. Environmental problems and management 2. Environmental programmes and policies	SDH SR		February-May February-May	

PAPER CODE-GEODSE01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
v	GENERAL	I	Soil Geography 1. Factors of formation, Soil profile 2. Soil properties (texture, structure, moisture, PH, organic matter),soil classification	SR MB MB	90	July-November July-August	
V		II	Bio Geography 1.Biosphere, eco system, biome, eco tone, community, succession, energy flow in ecosystem 2.Tropical rain forest and grassland biome, bio- geochemical cycles	SDH SD		July-October July-November	

PAPER CODE-GEODSE04P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	GENERAL		Project report based on field work	SD	75	February-May	Field report submitted

TENTATIVE SCHEDULE OF EXAMINATION

SESSION-2021-22

SEMESTER/YEAR	HONS/GENERAL	INTERNAL ASSESSMENT	UNIVERSITY EXAM
I	HONS/GENERAL	First exam 2 nd week of September 2021 Second exam 2 nd week of November 2021	January 2022
II	HONS/GENERAL	First exam 2 nd week of March 2022 Second exam 2 nd week of May 2022	July 2022
III	HONS/GENERAL	First exam 1 st week of September 2021 Second exam 1 st week of November 2021	January 2022
IV	HONS/GENERAL	First exam 2 nd week of March 2022 Second exam 2 nd week of May 2022	July 2022
V	HONS/GENERAL	First exam 1 st week of September 2021 Second exam 1 st week of November 2021	January 2022
VI	HONS/GENERAL	First exam 2 nd week of March 2022 Second exam 2 nd week of May 2022	July 2022

ACADEMIC CALENDAR
DEPARTMENT OF GEOGRAPHY
2022-23(CBCS SYLLABUS)
PAPER CODE: GEOACOR01T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS	I	1.Geological Time Scale 2. Isostasy, Models of Airy & Pratt 3. Plate Tectonics 4. folds & faults	S.R S.D S.DH S.DH	60	July-August July-August August-September	
I		II	5.Degradational Processes 6.Unicinal & Folded Structures 7. Granitic Basaltic Landforms 8.Coastal Processes 9. Glacial & Glacio-Fluvial Processes 10. Aeolian & Fluvio-Aeolian Processes 11. Davis, Penck & Hack	M.B M.B S.DH S.DH S.DH M.B		August-September September-October October-November December-January	

PAPER CODE: GEOACOR01P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Megascopic Identification of Rocks & Minerals 2. Interpretation of Geological Maps	S.DH M.B	60	July -January	

PAPER CODE: GEOACOR02T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Classification& Types of maps 2. Concept Of Scales 3. Reference Scheme Of SOI Topographical maps 4. Co-ordinate systems 5. Generating Globe & UTM projection 6. Angular & linear systems of measurements 7. Map Projections	S.D S.D M.B S.R S.R S.R S.R S.R	60	July – December	

PAPER CODE: GEOACOR02P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	HONOURS		1.Drawing Of Scales 2. SOI Topographical maps interpretation 3. Transect Chart 4. Map Projections	S.D M.B M.B S.R	60	July – December	

PAPER CODE - GEOACOR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
II	HONOURS	I	Nature and principals of Human Geography- Nature, scope, race, ethnicity, society and cultural regions	S.D	30	February-April	
II		II	Society, Demography and Ekistics 1.Evolution of Human society 2.Eskimo, Masai, Maori, Population Growth, Demographic transition, Rural and Urban settlements 3.Population resource regions	SDH S.R M.B	20 30 10	February-March February-April February-March	

PAPER CODE- GEOACOR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT
II	HONOURS		1. Rounding, Scientific notation, Log scale 2. Representation of Data- Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 3. Socio-economic maps 4. Land use, Land cover maps 5. Prismatic Compass, Dumpy Level, Theodolite	S.R SDH M.B M.B	60	February-March February-April March-May	

PAPER CODE:-GEOACOR04P

SEMESTER	HONS/GENER AL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT
II	HONOURS		1.Representation of Data- Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 2.Traverse Survey, Profile Survey, Prismatic Compass, Dumpy Level	SDH M.B	60	February-April March-May	

PAPER CODE: GEOACOR05T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	HONOURS	I	1.Layers of atmosphere 2. insolation & Heat Budget 3. temperature 4. greenhouse effect	S.DH	60	July-August July-August August-September	
III		II	5.condensation 6.air mass 7. fronts 8.stability & instability 9. jet stream & Planetary winds 10. cyclones 11. monsoons 12. climatic classification	S.DH M.B S.DH M.B S.DH S.DH		August-September September-October October-November December-January	

PAPER CODE: GEOACOR05P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Weather maps 2. Hythergraph, climograph 3. wind- rose	S.DH	60	July -January	

PAPER CODE: GEOACOR06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I-India	1.Physiographic Divisions of India 2. climate, soil , vegetation 3. population 4. tribes 5. Green Revolution 6. Minerals, Power Resources 7. Industry 8. Regionalization	M.B	60	July-August July-August August-September	
III		II- West Bengal	9. physical perspective 10. Agriculture, mining & Industry 11. population 12. regional issues	S.D		August-January	

PAPER CODE: GEOACOR07T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I	1.Importance of Statistics 2. types of data 3. sources of data 4. statistical tables 5. sampling 6. frequency Distribution	S.R S.R S.R M.B S.R	60	July-August July-August August-September	
III		II	7. Measures of Central tendency 8.dispersion 9. association & correlation 10. Regression 11. Time series	S.R S.R S.R S.R S.R		August-December	

PAPER CODE: GEOACOR07P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1.Data Matrix 2. Frequency Table, Central Tendency, Dispersion 3. Sampling 4. scatter diagram	S.R S.R M.B S.R	60	July -January	

PAPER CODE-GEOSSEC01M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT IF ANY
III	HONS AND GENERAL		1. Principles of remote sensing:- satellites, sensors 2. IRS and Landsat missions 3. FCC, Landsat TM, OLI 4. LULC feature from satellites images	SD	30	July-December	Project work Done

PAPER CODE:-GEOACOR08T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Regional Planning- Concept, types Principles, tools, Techniques, multi-level planning in India, Urban agglomerations	M.B	30	February-April	
IV		II	1. Regional development-growth-indicators of development, Human development, Under development, Regional development in India 2. Cumulative causation(Myrdal), Growth pole, Stages of development (Rostow)	M.B S.R	30 30	February-April February-March	

PAPER CODE- GEOACOR09T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
IV	HONOURS	I	Concept of Economic Geography-Goods and services, Production, Consumption, Economic man, Economic distance	S.D	30	February-March	
IV		II	1. Economic activities-classification, Von Thunen, Weber, Agriculture, forestry, Fishing, Mining, Manufacturing, tertiary activities 2. Mixed farming, sea routes, railways, highways, WTO,GATT,BRICS	S.D S.R	30 30	March-May February-May	

PAPER CODE:-GEOACOR10T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Holistic and systems approach to environment, eco-systems, environmental problems	SDH	30	February-March	
IV		II	Environmental problems and policies- pollution and degradation, waste management, environmental policies, environmental management	SDH	30	March-May	

PAPER CODE:-GEOACOR10P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
IV	HONOURS		1. Questionnaire schedule, check list for EIA	SDH	40	February-May	
			2. Representation of CPCB and WBPCB data	M.B	20	February-April	

PAPER CODE:-GEOSSEC02M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
IV	HONS and GENERAL		1. Probability theory, Normal, Binomial and Poisson distributions 2. Sampling: proportions. 3. Correlation and Regression Analysis: Rank order correlation, product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis. 4. Time Series Analysis: Time Series processes; Smoothing time series; Time series components	SR	30	January- June	Project work Done

PAPER CODE: GEOACOR11T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.Research Methodology: literature review, research problem, materials & methods, report writing	S.R	60	July-September	
V		II	2. Fieldwork-significance, techniques & tools, landscape survey, sample collection, tabulation	S.R		September-December	

PAPER CODE: GEOACOR11P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		Preparation of field reports	M.B	60	July -January	Submission of field reports

PAPER CODE: GEOACOR12T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.Principles of Remote sensing- satellites, sensors, FCC, Landsat TM, OLI, LULC	M.B	30	July-December	
V		II	2. GIS & GNSS- raster, vector, overlay analysis, waypoints, area & Length calculation	S.D	30	July-December	

PAPER CODE: GEOACOR12P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		1.Remote Sensing & GIS- georeferencing, digitization, preparation of thematic maps 2. Preparation FCC	S.R M.B	60	July -January	

PAPER CODE:-GEOADSE01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Soil Geography-formation, profile, texture, structure, moisture PH, Organic matter, NPK, Soil erosion, Soil classification	MB	35	February-May	
V		II	Bio Geography- Biosphere, Eco system, Biome, Eco tone, Niche, trophic structure, Bio-geo chemical cycles, Taiga, Tropical and grassland Biome, Conservation of Biodiversity	SDH	40	February-May	

PAPER CODE:- GEOADSE03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Population dynamics- Concept of demography, population data, population distribution density, growth, classical and modern theories in population distribution and growth	SD	30	February- March	
V		II	Population and development- 1. Fertility, Mortality, Urbanisation, Migration 2. Age-Sex composition, Rural-Urban composition, Human development, Population Policies, Contemporary issues in population	SDH SD	30 15	March-May April-May	

PAPER CODE:-GEOACOR13T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Nature of pre-modern Geography- contributions of Greek and Chinese, Arab, Dark age, Dualism in Geography	SD	45	February- March	
VI		II	Foundations of modern Geography and recent trends- concept of Germany, France, Britain, USA, Contributions of Humboldt, Ritter, Ratzel, Richthofen, Vidal de La Blache Quantitative revolution, system approach	SD	45	March-May	

PAPER CODE:- GEOACOR14T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Concept of Hazard and Disaster, Vulnerability, preparedness, Hazard mapping	SDH	30	February- March	
VI		II	Hazard specific study- earth quake, land slide, tropical cyclone, river bank erosion, Radioactive fall out	SDH	30	March-May	

PAPER CODE:-GEOACOR14P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS		Project report based on any one case study of the following- Thunderstorm, landslide, Flood, River bank erosion, Fire, industrial accident, structural collapse	SDH	60	February-May	

PAPER CODE:-GEOADSE04T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Hydrology- Hydrological cycle, Run off, Infiltration, evapotranspiration, Ground water, Drainage basin	MB	40	February-March	
VI		II	Oceanography-ocean floor, Physical and chemical properties of ocean water, salinity, marine resources, sea level change	MB	50	March-May	

PAPER CODE:-GEOADSE06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Resource and development- concept, classification, utilization, economic growth and development, global scenario of resource depletion, sustainable development	SR	40	February-April	
VI		II	Resource conflict and management- mineral resources, energy resources, energy crisis and future scenario, limits to growth and sustainable use of resources	SR	50	March-May	

GEOGRAPHY GENERAL

PAPER CODE- GEOGCOR01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
I	GENERAL	I	Geotectonics and Geomorphology 1. Scope of physical Geography 2. Plate tectonic, seismic waves, granitic and limestone topography, coastal Aeolian processes 3. Normal cycle of erosion	SR SDH MB	90	July-August July-November July-August	
I		II	Climatology and Oceanography 1. Insolation and heat budget, distribution of temperature and pressure 2. Monsoon, Tropical cyclone, climatic classification 3. Hydrological cycle, ocean bottom relief, ocean currents	MB SR SD		July-October July-November July-November	

PAPER CODE- GEOGCOR02T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
II	GENERAL	I	Population and Social Geography 1. Growth and distribution of world population 2. Population composition (age, gender, literacy), migration, space and society 3. Social issues	SD SR MB	90	February-May February-May February-May	
II		II	Economic and settlement Geography 1. Sectors of economy, types of agriculture, problem and prospects of Indian industries 2. Rural and Urban settlements, world urbanization	SDH MB		February-May February-May	

PAPER CODE-GE06COR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
III	GENERAL		1. Map scale 2. Map projection 3. SOI Topographical maps 4. Representation of data (cartograms)	SD SR MB SDH	60	July-August July- November July- November July-August	

PAPER CODE-GE06COR03P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	GENERAL		1. Construction of Map scale 2. Construction of Map projection 3. Interpretation of SOI Topographical maps	SD SR MB	60	July-August July-November July-November	

PAPER CODE-GE06COR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
IV	GENERAL	I	1. Concept of Environmental Geography, man environment relationship in extreme climate 2. System approach, ecosystem	SD MB	90	February-May February-May	
IV		II	1. Environmental problems and management 2. Environmental programmes and policies	SDH SR		February-May February-May	

PAPER CODE-GEODSE01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
v	GENERAL	I	Soil Geography 1. Factors of formation, Soil profile 2. Soil properties (texture, structure, moisture, PH, organic matter),soil classification	SR MB MB	90	July-November July-August	
V		II	Bio Geography 1.Biosphere, eco system, biome, eco tone, community, succession, energy flow in ecosystem 2.Tropical rain forest and grassland biome, bio- geochemical cycles	SDH SD		July-October July-November	

PAPER CODE-GEODSE04P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	GENERAL		Project report based on field work	SD	75	February-May	Field report submitted

TENTATIVE SCHEDULE OF EXAMINATION

SESSION-2022-23

SEMESTER/YEAR	HONS/GENERAL	INTERNAL ASSESSMENT	UNIVERSITY EXAM
I	HONS/GENERAL	First exam 2 nd week of September 2022 Second exam 2 nd week of November 2022	January 2023
II	HONS/GENERAL	First exam 2 nd week of March 2023 Second exam 2 nd week of May 2023	July 2023
III	HONS/GENERAL	First exam 1 st week of September 2022 Second exam 1 st week of November 2022	January 2023
IV	HONS/GENERAL	First exam 2 nd week of March 2022 Second exam 2 nd week of May 2022	July 2022
V	HONS/GENERAL	First exam 1 st week of September 2022 Second exam 1 st week of November 2022	January 2023
VI	HONS/GENERAL	First exam 2 nd week of March 2023 Second exam 2 nd week of May 2023	July 2023

DEPARTMENT OF GEOGRAPHY

2023-24 (NEP SYLLABUS)

PAPER CODE: GEOADS01T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES (60)	DISTRIBUTION	PROJECT/IF ANY	
I	MAJOR	I	1. Internal Structure(Earth)	S.R	6	July-August		
			2. Granite and Basaltic Landforms.	S.D	5	July-August		
			3. Exogenetic& Endogenetoic Forces		6	August-September		
			4. Fluvial Landforms	S.Dh	12			
			5. Hazards (India)					
I		II	6.Layers of Atmosphere	M.B	5	August-September		
			7. Pressure Belts, Jet Streams.	M.B	6	September-October		
			8. Soil Formation.	S.R	15	October-November		
			9. Soil Profile.					
			10. Concept of Eco-system.	S.Dh	5	December-January		
			11.Concept of Biome					

PAPER CODE: GEOADS01P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO. OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
I	MAJOR		1. Linear Scale	S.D.	60	July-August	
			2. Altimetric Curve, Physiographic Zones	S.R		August	
			3. Drainage, Geomorphic, Settlement, Transport (Topographical Sheet)	M.B		July-October	
			4. Drainage & Channel Patterns (Topographical Sheet)	M.B		November-December	
			5. Wind Rose	S.Dh		July-August	

PAPER CODE: GEOSE-01M-REMOTE SENSING

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES (45)	DISTRIBUTION	PROJECT/IF ANY
I	MAJOR		1.Principles of remote Sensing 2.Sensor Resolution of IRS and Landsat Mission 3.Preparation of FCC from IRS and Landsat, TM,OLI 4. Preparation of LULC Features from Satellite Imageries	S.D	25	July-August August July-October	yes
				M.B	20	November-December July-August	

PAPER CODE: GEOADS02T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES (45)	DISTRIBUTION	PROJECT/IF ANY
II	MAJOR	I	1. Introduction to Human Geography 2. Approaches to Human Geography	S.D S.D	10	February-April	
II		II	3.Evolution of Human Societies 4.Human Adaptation to Environment 5.Distribution,Density,Growth(World Population) 6.Demographic Transition Theory	S.Dh M.B S.R	17	March April May June	
II		III	7.Sectors of Economy 8.Types of Agriculture 9.Site,Situation,types, patterns(Rural Settlements) 10.Classification(Urban Settlements)	S.Dh M.B	18	March-April May-July	

PAPER CODE: GEOADS02P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
II	MAJOR		1. Growth Rate of Population of two decadal datasets 2. Choropleth Map 3. Types of Settlements(Topographical Map) 4. Transect Chart 5. Proportional Pie Diagrams & Proportional Square Diagram	S.Dh M.B S.D	60	July March March-May July April-June	

PAPER CODE: GEOAHM01T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES (75)	DISTRIBUTION
I	MINOR	I	1. Internal Structure(Earth)	S.R	6	July-August
			2. Granite and Basaltic Landforms.		6	July-August
			3. Exogenetic & Endogenetic Forces	S.D	8	August-September
			4. Fluvial Landforms 5. Hazards (India)	S.Dh	15	
I		II	6.Layers of Atmosphere	M.B	6	August-September
			7. Pressure Belts, Jet Streams.	M.B	8	September-October
			8. Soil Formation.	S.R	18	October-November
			9. Soil Profile. 10. Concept of Eco-system. 11.Concept of Biome	S.Dh	8	December-January

PAPER CODE: GEOHM02T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES (75)	DISTRIBUTION	PROJECT/IF ANY
II	MINOR	I	1. Introduction to Human Geography	S.D	20	February-April	
			2. Approaches to Human Geography	S.D			
II		II	3.Evolution of Human Societies	S.Dh	27	March	
			4.Human Adaptation to Environment	M.B		April	
			5.Distribution,Density, Growth(World Population) 6.Demographic Transition Theory	S.R		May June	
II		III	7.Sectors of Economy 8.Types of Agriculture	S.Dh	28	March-April	
			9.Site,Situation,types, patterns(Rural Settlements) 10.Classification(Urban Settlements)			May-July	

PAPER CODE-GEOACOR04T

SEMESTER	HONS/G ENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
II	HONOURS		1. Rounding, Scientific notation, Log scale 2. Representation of Data-Isopleths, Choropleth, Pie chart, Bar, Dots and Spheres 3. Socio-economic maps 4. Landuse, Landcover maps 5. Prismatic Compass, Dumpy Level, Theodolite	S.R SDH M.B M.B	60	February-March February-April March-May	

PAPER CODE:-GEOACOR04P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
II	HONOURS		1. Representation of Data-Isopleth, Choropleth, Pie chart, Bar, Dots and Spheres 2. Traverse Survey, Profile Survey, Prismatic Compass, Dumpy Level	SDH M.B	60	February-April March-May	

PAPER CODE: GEOACOR05T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	HONOURS	I	1. Layers of atmosphere 2. insolation & Heat Budget 3. temperature 4. greenhouse effect	S.DH	30	July-August July-August August-September	
III		II	5. condensation 6. air mass 7. fronts 8. stability instability 9. jet stream & Planetary winds 10. cyclones 11. monsoons 12. climatic classification	S.DH M.B S.DH M.B S.DH S.DH	30	August-September September-October October-November December-January	

PAPER CODE:GEOACOR05P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1. Weather maps 2. Hythergraph, climograph 3. wind-rose	S.DH	60	July-January	

PAPER CODE:GEOACOR06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I-India	1. Physiographic Division of India 2. climate, soil, vegetation 3. population 4. tribes 5. Green Revolution 6. Minerals, Power Resources 7. Industry 8. Regionalization	M.B	60	July-August July-August August-September	
III		II-West Bengal	9. Physical perspective 10. Agriculture, mining & Industry 11. population 12. regional issues	S.D		August-January	

PAPER CODE:GEOACOR07T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS	I	1. Importance of Statistics 2. Types of data 3. Sources of data 4. Statistical tables 5. sampling 6. frequency Distribution	S.R S.R S.R S.R M.B S.R	60	July-August July-August August-September	
III		II	7. Measures of Central tendency 8. dispersion 9. association & correlation 10. Regression 11. Time series	S.R S.R S.R S.R S.R		August-December	

PAPER CODE:GEOACOR07P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
III	HONOURS		1. Data Matrix 2. Frequency Table, Central Tendency, Dispersion 3. Sampling 4. Scatter diagram	S.R S.R M.B S.R	60	July-January	

PAPERCODE-GEOSSEC01M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT IF ANY
III	HONSAND GENERAL		1. Principles of remote sensing:- satellites, sensors 2. IRS and Landsat missions 3. FCC, Landsat TM, OLI 4. LULC feature from Satellites images	SD	30	July-December	Project work Done

PAPER CODE:-GEOACOR08T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Regional Planning- Concept, types Principles, tools, Techniques, multi-level planning in India, Urban agglomerations	M.B	30	February-April	
IV		II	1. Regional development- growth- indicators of development, Human development, Under development, Regional development in India 2. Cumulative causation (Myrdal), Growth pole, Stages of development (Rostow)	M.B S.R	30 30	February-April February-March	

PAPER CODE-GEOACOR09T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
IV	HONOURS	I	Concept of Economic Geography-Goods and services, Production, Consumption, Economic man, Economic distance	S.D	30	February-March	
IV		II	1. Economic activities- classification, Von Thunen, Weber, Agriculture, forestry, Fishing, Mining, Manufacturing, tertiary activities 2. Mixed farming, searoutes, railways, highways, WTO, GATT, BRICS	S.D S.R	30 30	March-May February-May	

PAPER CODE:-GEOACOR10T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
IV	HONOURS	I	Holistic and systems approach to environment, eco-systems, environmental problems	SDH	30	February-March	
IV		II	Environmental problems and policies-pollution and degradation, waste management, environmental policies, environmental management	SDH	30	March-May	

PAPER CODE:-GEOACOR10P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
IV	HONOURS		1. Questionnaire schedule, checklist for EIA 2. Representation of CPCB and WBPCB data	SDH M.B	40 20	February-May February-April	

PAPER CODE:-GEOSSEC02M

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IF ANY
IV	HONS and GENERAL		1. Probability theory, Normal, Binomial and Poisson distributions 2. Sampling: proportions. 3. Correlation and Regression Analysis: Rank order correlation, product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis. 4. Time Series Analysis: Time Series processes; Smoothing time series; Time series components	SR	30	January-June	Project work Done

PAPER CODE:GEOACOR11T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.Research Methodology: literature review, research problem, materials &methods, report writing	S.R	60	July- September	
V		II	2. Fieldwork- significance, techniques &tools, landscape survey, sample collection, tabulation	S.R		September- December	

PAPER CODE:GEOACOR11P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		Preparation of field reports	M.B	60	July-January	Submission of field reports

PAPER CODE:GEOACOR12T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	1.PrinciplesofRemote sensing- satellites, sensors, FCC, Landsat TM,OLI,LULC	M.B	30	July- December	
V		II	2. GIS & GNSS- raster, vector, overlay analysis, waypoints, area & Length calculation	S.D	30	July- December	

PAPER CODE:GEOACOR12P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS		1. Remote Sensing & GIS-georeferencing, digitization, preparation of thematic maps 2. Preparation of FCC	S.R M.B	60	July-January	

PAPER CODE:-GEOADSE01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Soil Geography-formation, profile, texture, structure, moisture PH, Organic matter, NPK, Soil erosion, Soil classification	MB	35	February-May	
V		II	Bio Geography- Biosphere, Eco system, Biome, Eco tone, Niche, trophic structure, Bio-geochemical cycles, Taiga, Tropical and grassland Biome, Conservation of Biodiversity	SDH	40	February-May	

PAPERCODE:-GEOADSE03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
V	HONOURS	I	Population dynamics- Concept of demography, population data, population distribution density, growth, classical and modern theories in population distribution and growth	SD	30	February- March	
V		II	Population and development- 1. Fertility, Mortality, Urbanisation, Migration 2. Age-Sex composition, Rural-Urban composition, Human Development 3. Population Policies, Contemporary issues in population	SDH SD	30 15	March-May April-May	

PAPER CODE:-GEOACOR13T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Nature of pre-modern Geography- contributions of Greek and Chinese, Arab, Dark age, Dualism in Geography	SD	45	February- March	
VI		II	Foundations of modern Geography and recent trends- concept of Germany, France, Britain, USA, Contributions of Humboldt, Ritter, Ratzel, Richthofen, Vidal de La Blache Quantitative revolution, system approach	SD	45	March-May	

PAPER CODE-GEOACOR14T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Concept of Hazard and Disaster, Vulnerability, preparedness, Hazard mapping	SDH	30	February- March	
VI		II	Hazard specific study- earth quake, land slide, tropical cyclone, river bank erosion, Radioactive fallout	SDH	30	March-May	

PAPERCODE:-GEOACOR14P

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS		Project report based on any one case study of the following- Thunderstorm, landslide, Flood, River bank erosion, Fire, industrial accident, structural collapse	SDH	60	February-May	

PAPER CODE:-GEOADSE04T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Hydrology- Hydrological cycle, Runoff, Infiltration, evapotranspiration, Ground water, Drainage basin	MB	40	February-March	
VI		II	Oceanography-ocean floor, Physical and chemical properties of ocean water, salinity, marine resources, sea level change	MB	50	March-May	

PAPER CODE:-GEOADSE06T

SEMESTER	HONS/GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	HONOURS	I	Resource and development-concept, classification, utilization, economic growth and development, global scenario of resource depletion, sustainable development	SR	40	February-April	
VI		II	Resource conflict and management- mineral resources, energy resources, energy crisis and future scenario, limits to growth and sustainable use of resources	SR	50	March-May	

GEOGRAPHY GENERAL

PAPER CODE-GEOGCOR01T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IFANY
I	GENERAL	I	Geotectonic and Geomorphology 1. Scope of physical Geography 2. Plate tectonic, seismic waves, granitic and limestone topography, coastal Aeolian processes 3. Normal Cycle of erosion	SR SDH MB	90	July-August July-November July-August	
I		II	Climatology and Oceanography 1. Isolation and heat budget, distribution of temperature and pressure 2. Monsoon, Tropical cyclone, climatic classification 3. Hydrological cycle, ocean bottom relief, ocean currents	MB SR SD		July-October July- November- July-November	

PAPER CODE-GEOGCOR02T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT /IFANY
II	GENERAL	I	Population and Social Geography 1. Growth and distribution of world population 2. Population composition (age, gender, literacy), migration, space and society 3. Social issues	SD SR MB	90	February-May February-May February-May	
II		II	Economic and settlement Geography 1. Sectors of economy, types of agriculture, problem and prospects of Indian industries 2. Rural and Urban settlements, world urbanization	SDH MB		February-May February-May	

PAPERCODE-GEOGCOR03T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
III	GENERAL		1. Map scale 2. Map projection 3. SOI Topographical maps 4. Representation of data (cartograms)	SD SR MB SDH	60	July-August July- November July- November July-August	

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SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT
III	GENERAL		1. Construction of Map scale 2. Construction of Map projection 3. Interpretation of SOI Topographical maps	SD SR MB	60	July-August July- November- July-November	

PAPER CODE-GEOGCOR04T

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTIO N	PROJECT/IF ANY
IV	GENERAL	I	1. Concept of Environmental Geography, man environment relationship in extreme climate 2. System approach, ecosystem	SD MB	90	February-May February-May	
IV		II	1. Environmental problems and management 2. Environmental programmes and policies	SDH SR		February-May February-May	

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/ IF ANY
v	GENERAL	I	Soil Geography 1. Factors of formation, Soil profile 2. Soil properties (texture, structure, moisture, PH, organic matter), soil classification	SR MB MB	90	July- November July-August	
V		II	Bio Geography 1.Biosphere,eco system, biome, eco tone, community, succession, energy flow in ecosystem 2.Tropical rain forest and grassland biome, bio-geochemical cycles	SDH SD		July-October July- November	

PAPER CODE-GEOGDSE04P

SEMESTER	HONS/ GENERAL	UNIT	TOPIC	TEACHER	NO.OF LECTURES	DISTRIBUTION	PROJECT/IF ANY
VI	GENERAL		Project report based on field work	SD	75	February-May	Field report submitted

TENTATIVE SCHEDULE OF EXAMINATION SESSION-2023-24

SEMESTER/YEAR	HONS/GENERAL	INTERNAL ASSESSMENT	UNIVERSITY EXAM
I	HONS/GENERAL/MAJOR/MINOR	First exam 2 nd week of September 2023 Second exam 2 nd week of November 2023	January 2024
II	HONS/GENERAL/MAJOR/MINOR	First exam 2 nd week of March 2024 Second exam 2 nd week of May 2024	July 2024
III	HONS/GENERAL	First exam 1 st week of September 2023 Second exam 1 st week of November 2023	January 2024
IV	HONS/GENERAL	First exam 2 nd week of March 2024 Second exam 2 nd week of May 2024	July 2024
V	HONS/GENERAL	First exam 1 st week of September 2023 Second exam 1 st week of November 2023	January 2024
VI	HONS/GENERAL	First exam 2 nd week of March 2024 Second exam 2 nd week of May 2024	July 2024

