

DEPARTMENT OF GEOGRAPHY

Dewan Abdul Gani College

PO- Harirampur, D/Dinajpur

ANNUAL TEACHING PLAN [2022-23]

CHOICE BASED CREDIT SYSTEM (CBCS)

GEOGRAPHY GENERAL COURSE

SEMESTER- I

Course Name: Geotectonics & Geomorphology (Theory) Course Code: DC1A				
Months	Units	Topic	Teacher	No. of Classes
Part 1: Geotectonics (Theory)				
July	1	Origin of the Earth: Tidal Hypothesis, Continental Drift Theory, Interior of the earth, earthquakes causes and consequences, Plate tectonics	MB	2
	2	Rocks: origin, classification, characteristics, influence of rocks on landforms and topography.	BP	1
Part 2: Geomorphology (Theory)				
August	3	Processes of erosion, deposition and resulting landforms: river, wind, glacier, Concept of fluvial cycle of erosion and its interruption.	ZA, MM	4
	4	Weathering, mass wasting and topographic expression.	MI	2

Course Name: Geotectonics & Geomorphology (Practical) Course Code: DC-1B				
September	1	Concept of scale, Principles & Types, Scale Conversion; Simple Linear Scale calculation and construction	MI	5
November	2	SoI Topographical Map of Plateau areas (1:50,000): Broad Physiographic divisions and drainage; Profile (Serial), Transect Chart for relating physical and cultural features	ZA	4
December	3	Identification of rocks and minerals (megascopic) (Basalt, Granite, Gneiss, Sandstone, Quartzite, Limestone, Mica, Talc, Calcite and Feldspar)	BP	2

SEMESTER- II

Course Name: Climatology, Soil and Bio-Geography (Theory) Course Code: DC-2A				
Months	Units	Topic	Teacher	No. of Classes
January	1	Concepts of weather and climate, controlling factors of climate, Atmospheric layers, Atmospheric Temperature, Planetary and periodic winds, Monsoon, local winds. insolation and heat budget	BP	6
	2	Atmospheric moisture: Humidity, types of precipitation, evaporation, condensation, Greenhouse effect and its impact	MB	2

February	3	Factors of soil formation, Soil profiles, soil erosion and conservation.	MM	4
March	4	Factors responsible for plant growth; Adaptation mechanism, characteristics of mangrove and xerophytes.	ZA	4
Course Name: Climatology, Soil and Bio-Geography (Practical) Course Code: DC-2B				
April	1	Rain Gauge, Maximum and Minimum Thermometer and Hygrometer	MI,	6
May	2	Climograph and Hythergraph	ZA	4
May- June	3	Prismatic compass survey, plain table (radiation method)	BP, MB	8+5

SEMESTER- III

Course Name: Geography of India (Theory) Course Code: DC-3A				
Months	Units	Topic	Teacher	No. of Classes
July	1	Major physiographic divisions of India and their geomorphological characteristics (Indo-Gangetic Plain); Characteristics of Indian drainage systems (Ganga River).	MI	4
	2	Climatic zones of India; Soil zones of India; Vegetation: zones, deforestation and	MI	4

		conservation of forests.		
August	3	Agriculture: salient features, problems and remedial measures.	ZA	1
September	4	Industry: Industrial regions of India; Hooghly Industrial Region; Ahmedabad Vadodara-Jamnagar Industrial Region	ZA	6
Course Name: Geography of India (Practical) Course Code: DC-3B				
Sept - Nov.	1	Geological Map: Concept of dip, strike, bed and bedding plane and unconformities.	MB	5
	2	Interpretation of simple uniclinal structures and simple folded structures with given dip and direction, geological structure and topography.	BP, MM	12

Course Name: Remote Sensing and Geographical Information System (Theory) Course Code: SEC-1				
Months	Units	Topic	Teacher	No. of Classes
August	1	Remote Sensing: Definition, stages, advantages and limitations, applications, energy Source: Shortwave & Long wave EMR.	MI	8
September – November	2	Remote Sensing Platforms: Ground, Air and Space Bourne Platforms, Sun synchronous and Geostationary satellites.	ZA	2
	3	Definition of Aerial Photographs, Types. Keys of visual interpretation of Aerial Photo and Satellite Imageries. use, advantages and limitations of satellite imageries.	BP, MM	6

	4	G.I.S.: Definition, components, application, advantages and limitations.	MB	2
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SEMESTER- IV

Course Name: Economic Geography (Theory) Course Code: DC-4A				
Months	Units	Topic	Teacher	No. of Classes
January	1	Concept of economic activities and sectors of economy: primary, secondary, tertiary, quaternary and quinary; Resource: Definition, classification, resource conservation.	ZA	6
February	2	Forest Resource: Importance, conservation; Concept of social forestry and agro forestry.	BP	5
March	3	Agriculture: Intensive rice cultivation (Asia); Plantation agriculture: Tea (India).	MM	3
April	4	Power: Coal, Petroleum (distribution and use); Non-conventional: Wind, Solar (distribution and use); Industries: Iron and Steel (India); Cotton Textile (India).	BP	8
Course Name: Economic Geography (Practical) Course Code: DC-4B				
May	1	Cartograms showing statistical data: Simple and compound Bar Diagram, Proportional circles, pie and proportional divided circle and proportional squares.	MI	6

June	2	Map Projection: Simple conical projection with one standard parallel, cylindrical equal area projection and Gnomonic projection (polar case)	MM, MB	6
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SEMESTER- V

Course Name: Population and Settlement Geography (Theory) Course Code: DSE-1A				
Months	Units	Topic	Teacher	No. of Classes
Part-1: Population Geography				
July	1	Population: World population distribution and factors responsible for uneven distribution and density of population.	BP	5
August	2	Factors of population growth: Fertility, Mortality and Migration; Problems related to population growth.	MM	6
Part-2: Settlement Geography				
Sept.	3	Rural settlement: Definition, types and pattern.	MB	2
	4	Urban settlement: definition, census categories of urban settlements in India.	MB	6
Course Name: Population and Settlement Geography (Practical) Course Code: DSE-1B				

Sept.	1	Calculation of decadal population growth, Computation of population density (Arithmetic and agricultural).	MI	6
	2	Identification of Settlement types and patterns from SOI Topo sheet (1:50,000)	ZA	4

Course Name: Fieldwork Techniques and Field Report Preparation (Theory)				
Course Code: SEC-2				
Months	Units	Topic	Teacher	No. of Classes
July- August	1	Sources of data: Primary and secondary; Methods of collection of primary data;	ZA	2
	2	Preparation of Questionnaire/ Survey schedule		2
	3	Data representation techniques: Frequency distribution table and Histogram, Frequency polygon, Frequency curve, Cumulative Frequency polygon, Cumulative Frequency curve (ogive),		6
	4	Data analysis techniques: Mean, median, mode, partition values, range, mean deviation, quartile deviation.		8
November		Field Report	ZA	6

Course Name: Disaster Management (Theory)				
Course Code: GE-1A				
Months	Units	Topic	Teacher	No. of Classes
July	1	Disasters and Hazards: Definition and Concepts: Risk and Vulnerability; Classification	MB	3
	2	Disasters in India: (a) Flood: Causes, Impact, Distribution and Mapping;	BP	3
August	3	River bank Erosion: Causes, Impact, Distribution and Mapping; Drought: Causes, Impact, Distribution	ZA	4
	4	Disasters in India: (b) Earthquake and Tsunami: Causes, Impact, Distribution; Cyclone: Causes, Impact, Distribution.	MI	2
Sept.	5	Manmade disasters: Causes, Impact, Distribution	MM	1
	6	Response and Mitigation to Disasters: Mitigation and Preparedness	MM	2
Course Name: Disaster Management (Practical)				
Course Code: GE-1B				
Nov.	1	Rainfall Dispersion Diagram, Sphere Diagram	MI	4
Dec.	2	Ombrothermic diagram, Climatic Chart	MM	4

SEMESTER- VI

Course Name: Hydrology (Theory) Course Code: DSE-3A				
Months	Units	Topic	Teacher	No. of Classes
January	1	Modes of occurrence of water in the earth, Hydrological Cycle,	ZA	3
	2	Runoff: Factors affecting runoff, transpiration and infiltration process	ZA	2
February	3	Ground water: Concept and types of aquifers, movement, storage	BP	3
March	4	Rain water harvesting processes.	MI	1
Course Name: Hydrology (Practical) Course Code: DSE-3B				
April	1	Construction of Normal and Annual hydrograph	MB	3
May	2	Calculation and construction of Rating curve	MM	2

Course Name: Rural Development (Theory) Course Code: GE-2A				
Months	Units	Topic	Teacher	No. of Classes

January	1	Concept of Rural Development: Inter-linkages of Urban and Rural Sectors of the Economy; Need for Rural Development, Gandhian Approach of Rural Development.	BP	3
February	2	Rural Economic Base: Panchayatiraj System, Agriculture and Allied Sectors, Seasonality; Need for Expanding, Non-Farm Activities, Co-operatives, Self-help groups.	BP	3
March	3	Area Based Approach to Rural Development: Flood and Drought Prone Area Programmes, PMGSY.	MB	3
April	4	Target Group Approach to Rural Development: SJSY, MNREGA, Jan Dhan Yojana .	ZA	4
Course Name: Rural Development (Practical)				
Course Code: GE-2B				
May	1	Crop Combination (Weaver & Rafiullah), Nearest Neighbour Analysis.	ZA	6
June	2	Residual Map, Egrograph	BP	4

ABBREVIATION:

MI= DR. MD ISMAIL, ZA= MR. ZUBBER AHAMED, BP= MR. BIJON PAUL, MM= DR. MD MONIRUL ISLAM, MB= MR. MAHESH BARMAN