

Dept. of Geography, Bankura Sammilani College

MODULE BREAKUP OF THE SYLLABUS

SESSION 2022-23

CLASS: Sem-II (Geography Honours)

Couse Code: SHGEO /201/C-3T

Human Geography

Month	Topic
January – February - March	<p style="text-align: center;">Unit 1: Nature and Principles</p> <ul style="list-style-type: none">➤ Human Geography: Nature, scope and recent trends➤ Approaches to the study of Human Geography; Resource, Locational, Landscape, Environmental➤ Concept of Race and Ethnicity➤ Space, Society and Cultural regions, Language and Religion <p style="text-align: center;">Unit 2: Society and Demography</p> <ul style="list-style-type: none">➤ Evolution of human societies: Hunting and food gathering, pastoral nomadism, subsistence farming, industrial and urban societies➤ Population growth and distribution, population composition; Demographic Transition model
April-May-June	<p style="text-align: center;">Unit 2: Society and Demography</p> <ul style="list-style-type: none">➤ Population–Resource regions (Ackerman)➤ Trend of population growth (India) <p style="text-align: center;">Unit 3: Ekistics and Adaptation</p> <ul style="list-style-type: none">➤ Human adaptation to environment: Eskimo and Santhals➤ Human population and environment with special reference to development–environment conflict➤ Social morphology and rural house types in India➤ Types and patterns of Rural Settlements

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MODULE BREAKUP OF THE SYLLABUS

SESSION 2022-23

CLASS: Sem-II (Geography Honours)

Course Code: SHGEO /202/C-4P

Cartographic Techniques

Month	Topic
January – February -March	<p>Unit-1: Cartographic Representation of Geographical Data</p> <ul style="list-style-type: none">➤ Geographical Data: Nature, Characteristics and Management➤ Cartograms: Line Graph, Bar graph, Proportional Circles and PieClimatic Diagrams: Wind Rose, Ergo Graph, Ombrothermic Diagram➤ Age-Sex Pyramid, Dependency Ratio <p>Unit-2: Mapping Techniques</p> <ul style="list-style-type: none">➤ Population Maps and Diagrams: Choropleth method, Distribution by Dot and Sphere➤ Combinational Analysis: Weaver’s Crop Combination
April-May-June	<p>Unit-2: Mapping Techniques</p> <ul style="list-style-type: none">➤ Measures of Inequality: Location Quotient, Gini’s Coefficient and Lorenz Curve➤ Measures of Interaction: Nearest Neighbour Analysis, Gravity Model <p>Unit-3: Interpretation of Topographical Maps</p> <ul style="list-style-type: none">➤ Principles and Nomenclature of Topographical Map (OSM) of Survey of India➤ Topographic Profile and Broad Physiographic Divisions➤ Drainage Basin Morphometry: Relative Relief (Smith, 1935), Average Slope (Wentworth, 1930), Stream Frequency and Drainage Density (Horton, 1945)➤ Interpretation of Physical and Cultural features with the help of Transect Chart

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MODULE BREAKUP OF THE SYLLABUS
SESSION 2022-23
CLASS: Sem-IV (Geography Honours)
(Course Code: SHGEO /401/C-8T)
Regional Planning and Development Regional

Month	Topic
January – February -March	Unit 1: Regional Planning <ul style="list-style-type: none"> ➤ Concept of Regions: Types of regions and Methods of delineation. ➤ Types of Planning, principles and objectives of regional planning, ➤ Steps of Regional Planning, need for regional planning in India, multi- level planning in India ➤ Planning Regions in India
	Unit 3: Regional Planning & Development in India <ul style="list-style-type: none"> ➤ Concept and strategies of regional development in India ➤ Nature of regional inequalities and disparities in India ➤ Historical perspective of regional imbalance in India ➤ Need for Regional Planning in India

April-May-June	Unit 2: Regional Development <ul style="list-style-type: none"> ➤ Development: Meaning, growth versus development ➤ Concept of Growth Pole model of Perroux; and Growth Centers model in Indian context ➤ Theories and models for regional development: Cumulative Causation (Myrdal), Core Periphery (Hirschman and Friedman) and Economic Growth Stage Model (Rostow) ➤ Indicators of development: Economic Development, Human Development

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MODULE BREAKUP OF THE SYLLABUS
CLASS: Sem-IV (Geography Honours)
Course Code: SHGEO /402/C-9T
Geography of Economic Activities

Month	Topic
January – February -March	<p style="text-align: center;">Unit-1: Economic Activity: Agriculture</p> <ul style="list-style-type: none"> ➤ Agricultural System: Plantation Agriculture & Mixed Farming. ➤ Crop Combination and Crop Diversification. ➤ Classification of World Agricultural Systems after Whittlessey ➤ Model in Agricultural Geography: Von Thunen Model <ul style="list-style-type: none"> ➤ Location Factors; Role of transport in industrial location ➤ Models of Industrial Location: Weber & Losch <p style="text-align: center;">Unit-2: Economic Activity: Industry</p>

April-May-June	<p style="text-align: center;">Unit-2: Economic Activity: Industry</p> <ul style="list-style-type: none"> ➤ Industrial Regions: Mumbai-Pune; Asansol-Durgapur, Haldia ➤ Impact of Industrial Activities on Environment <p style="text-align: center;">Unit-3: Economic Activity: Trade, Transport and Tourism</p> <ul style="list-style-type: none"> ➤ Role of WTO in International Trade ➤ Transport Network: Accessibility and Connectivity ➤ Tourism Industry and its Components ➤ Tourism Evolution Model: TALC Model of R.W. Butler
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Dept. of Geography, Bankura Sammilani College
MODULE BREAKUP OF THE SYLLABUS
CLASS: Sem-IV (Geography Honours)
Course Code: SHGEO /302/C-10P
Environmental Geography

Month	Topic
January – February -March	<p style="text-align: center;">Unit 1: Approach towards environmental study</p> <ul style="list-style-type: none"> ➤ Geographers' approach to environmental studies ➤ Perception of environment in different stages of civilization ➤ Concept of holistic environment and system approach ➤ Modern environmental concept <p style="text-align: center;">Unit 2: Ecology and Ecosystem</p> <ul style="list-style-type: none"> ➤ Concept of Ecosystem ➤ Structure and function of ecosystem ➤ Environmental pollution and degradation ➤ Land, water and air pollution
April-May-June	<p style="text-align: center;">Unit 3: Man-Environment conflict</p> <ul style="list-style-type: none"> ➤ Man Animal Conflict with special reference to Junglemahal area ➤ Environmental problems: Local, regional and global ➤ Urban environmental issues with special reference to waste management ➤ Environmental programmes and policies – Global and national levels <p style="text-align: center;">List of Practical</p> <ul style="list-style-type: none"> ➤ Preparation of questionnaire for perception survey on environmental problems ➤ Preparation of check-list for Environmental Impact Assessment of an urban / industrial project ➤ Quality assessment of soil using field kit: pH and Organic Carbon ➤ Interpretation of air quality using CPCB / WBPCB data

Dept. of Geography, Bankura Sammilani College
MODULE BREAKUP OF THE SYLLABUS
CLASS: Sem-IV (Geography Honours)
Course Code: SHGEO /405/SEC-2
Geographical Information System and GPS

Month	Topic
January – February - March	Unit-1: Geographical Information System <ul style="list-style-type: none"> ➤ G.I.S: Basic Concepts ➤ Components of GIS ➤ Development of GIS Technology ➤ GIS Data structure: Raster and Vector
	Unit 3: Mapping in GIS <ul style="list-style-type: none"> ➤ Geo-referencing, Digitization ➤ Attribute data creation and uses ➤ Map Composition ➤ Layout
April-May-June	Unit-2: Global Positioning System <ul style="list-style-type: none"> ➤ Basic Concept: GPS and GNSS, Segments, PRN Code, Waypoints and Tracks ➤ Distance Calculation, Open and Closed Traverse. ➤ Plotting in Microsoft Excel ➤ GPS data downloading in software and mapping

Dept. of Geography, Bankura Sammilani College
MODULE BREAKUP OF THE SYLLABUS
CLASS: Sem-VI (Geography Honours)
Course Code: SHGEO /601/C-13T
Disaster Management

Month	Topic
January – February - March	<p style="text-align: center;">Unit 1: Concepts and Approaches</p> <ul style="list-style-type: none"> ➤ Meaning and concept of hazard and disaster ➤ Classification of hazards and disasters ➤ Approaches to hazard study: Risk perception and vulnerability assessment. ➤ Hazard paradigms <p style="text-align: center;">Unit 2: Disaster Case Studies</p> <ul style="list-style-type: none"> ➤ Earthquake: Factors, vulnerability, consequences and management ➤ Landslide: Factors, vulnerability, consequences and management
April-May-June	<p style="text-align: center;">Unit 2: Disaster Case Studies</p> <ul style="list-style-type: none"> ➤ Cyclone: Factors, vulnerability, consequences and management ➤ Fire: Factors, vulnerability, consequences and management <p style="text-align: center;">Unit 3: Disaster Management in India</p> <ul style="list-style-type: none"> ➤ Disaster of Himalayan belt ➤ Disaster in lower Ganges plain ➤ Disaster in coastal region ➤ Hazard mapping in India

Dept. of Geography, Bankura Sammilani College
MODULE BREAKUP OF THE SYLLABUS
SESSION 2022-23
CLASS: SEM VI (Geography Honours)
Course Code: SHGEO/602/C-14P
Research Methodology and Field Work

Month	Topic
January – February - March	Unit 1: Research Methodology <ul style="list-style-type: none"> ➤ Research in Geography: Meaning, types and significance ➤ Literature Review and formulation of research design ➤ Defining research problem, objectives and hypothesis. Research materials and methods ➤ Techniques of writing scientific reports: Preparing notes, references, bibliography, abstract and keywords

April-May-June	Unit 2: Field Work <ul style="list-style-type: none"> ➤ Fieldwork in Geographical studies –Selection of study area and objectives. Pre-field preparations ➤ Field Enquiry Techniques and Tools: Observation (participant, non-participant), questionnaires (open, closed, structured, non-structured). Interview with special reference to focused group discussions. ➤ Field Techniques and Tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording. ➤ Preparation of inventory from field data. Post-field tasks.
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Dept. of Geography, Bankura Sammilani College

MODULE BREAKUP OF THE SYLLABUS

SESSION 2022-23 CLASS : Sem-VI (Geography Honours)

Course Title: SHGEO/603/DSE-3

Soil and Biogeography

Month	Topic
January – February - March	<p>Unit 1: Soil Geography</p> <ul style="list-style-type: none">➤ Factors of Soil formation. Man as an active agent of soil transformation.➤ Soil profile. Origin and profile characteristics of Lateritic, Podzol and Chernozem soils➤ Definition and significance of Soil properties: Physical - Texture, Structure and Moisture; Chemical - pH, Organic matter and NPK➤ Principles of Soil classification: Genetic and USDA. Concept of land capability and its classification. <p>Unit 2: Bio-Geography</p> <ul style="list-style-type: none">➤ Concepts of biosphere, ecosystem, biome, ecotone, community and ecology➤ Concepts of trophic structure, food chain and food web. Energy flow in ecosystems
April-May-June	<p>Unit 2: Bio-Geography</p> <ul style="list-style-type: none">➤ Geographical extent and characteristic features of Tropical rain forest, Taiga and Grassland biomes➤ Bio-geochemical cycles with special reference to carbon dioxide and nitrogen <p>Unit 3: Human Behavior and its impact on Soil and Biosphere</p> <ul style="list-style-type: none">➤ Soil Erosion and Degradation: Factors, processes and mitigation measures➤ Deforestation: Causes, consequences and management➤ Bio-diversity: Definition, types, threats and conservation measures➤ Response of society to the management

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MODULE BREAKUP OF THE SYLLABUS
SESSION 2022-23
CLASS: SEM VI (Geography Honours)
Course Code: SHGEO/604/DSE-4
Population Geography

Month	Topic
January – February - March	<p style="text-align: center;">Unit 1: Basic Concepts</p> <ul style="list-style-type: none"> ➤ Development of Population Geography as a field of specialization. Relation between Population Geography and Demography. ➤ Sources of population data, their level of reliability and problems of mapping. ➤ Population distribution: Density and growth. Classical and modern theories in population distribution and growth, Demographic Transition model. ➤ World patterns of population distribution and growth. Concept of Optimum Population, population distribution in India. <p style="text-align: center;">Unit 2: Population Composition</p> <ul style="list-style-type: none"> ➤ Population Composition and Characteristics– Age, Sex Composition; Rural and Urban Composition; Literacy. ➤ Measurements of Fertility and Mortality. Concept of Cohort and Life Table
	<p style="text-align: center;">Unit 2: Population Composition</p> <ul style="list-style-type: none"> ➤ Population composition of India (Age, Sex, Rural, Urban and occupational composition) ➤ Migration: Causes and types, international patterns of migration with reference to India. <p style="text-align: center;">Unit 3: Population Policies</p> <ul style="list-style-type: none"> ➤ Population and Development: Population-Resource regions. Concept of Human Development Index (HDI) and its components. ➤ Population policies in developed and less developed countries ➤ India's population policies, population and environment, implication for the future. ➤ Contemporary Issues – Ageing of Population; Declining Sex Ratio; Population and Environment dichotomy, HIV/AIDS.
April-May-June	