

The University of Burdwan
B.A. /B.Sc. (Honours) in Geography (CBCS)
Semester-II
Hiralal Bhakat College

CC-3: Human Geography

Unit-1: Nature and Principles

Topic	Teachers' Name
1.Nature, scope and recent trends of Human Geography	CG
2.Evolution of humans, concept of race and ethnicity; Major Racial Groups of the world	CG
3.Space, society and cultural regions (language and religion)	IM
4.Concept of Culture, Cultural Diffusion, Convergence, Cultural Realms of the world	IM

Unit-2: Society, Demography and Ekistics

Topic	Teachers' Name
1.Evolution of human societies: Hunting and gathering, Pastoral nomadism, Subsistence farming, Industrial and urban societies	CG
2.Human - environment relations with special reference to Arctic and hot desert regions	CG
3.Population growth and distribution, population composition; demographic transition model	BM
4.Population-Resource regions	BM
5.Human, population and environment relations with special reference to development- Environment conflict	IM
6.Social morphology and rural house types in India	SS
7.Types and patterns of rural settlements	SS
8.Functional Classification of urban settlements	SS

CC-4 (Theory): Cartograms, Survey and Thematic Mapping

Topic	Teachers' Name
1. Concepts of Cartograms and Thematic Maps	IM
2. Concept and utility of Isopleths and Choropleth,	CG
3. Concept, utility, and interpretation of : Climograph, Hythergraph and Ergograph	BM
4. Preparation and interpretation of demographic charts and diagrams (Age-Sex Pyramid)	BM
5. Concepts of Bearing: magnetic and true, whole-circle and reduced	SS
6. Basic concepts of surveying and survey equipments: Abneys Level, Clinometer	SS
7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite	SS
8. Interpretation of Land use and land cover maps	IC

CC-4 (Practical): Cartograms, Survey and Thematic Mapping

Topic	Teachers' Name
Diagrammatic representation of data: Star and Age-sex pyramid diagram, pie diagram	BM
Representation of data on map by proportional circles, dots and spheres, isolines and Choropleth method.	BM
Contouring by Dumpy Level and Prismatic Compass	IC
Determination of Height of objects using Transit Theodolite (Accessible and Inaccessible bases)	IC

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CC-8: REGIONAL PLANNING AND DEVELOPMENT

Unit 1: Regional Planning

Topic	Teachers' Name
1. Concept and Classification of Regions	IM
2. Types of Planning; Principles and Techniques of Regional Planning	IM
3. Need for Regional Planning; Multilevel Planning in India	IM
4. Metropolitan Concept: Metropolis, Metropolitan Areas, Metropolitan Region	IC

Unit 2: Regional Development

Topic	Teachers' Name
1. Development: Meaning, Growth versus Development	BM
2. Models for Regional Development: Growth Pole (Perroux) and Core Periphery (Hirschman)	CG
3. Model for Regional Development in India: Growth Foci (R.P.Misra)	CG
4. Concept of Regional Inequality and Disparity	CG
5. Human Development: Significance, Indicators and Measurement	IM
6. Status of Regional Imbalances in India	IM
7. Strategies for Regional Development in India	IM
8. NITI Aayog and its Functions	BM

CC-9: ECONOMIC GEOGRAPHY

Unit 1: Concepts and Approaches

Topic	Teachers' Name
1. Meaning and Approaches to Economic Geography	BM
2. Concepts in Economic Geography: Goods; Services; Production; Consumption	BM
3. Factors Influencing Location of Economic Activity and Forces of Agglomeration	IM
4. Determining Factors of Transport Cost	IM

Unit 2: Economic Activities

Topic	Teachers' Name
1. Concept and Classification of Economic Activities	SS
2. Location Theories: Von Thünen and Alfred Weber	SS
3. Primary Activities: Subsistence and Commercial Agriculture; Forestry; Fishing	IC
4. Secondary Activities: Manufacturing (Iron and Steel in India and Japan, Petrochemical in India and USA)	IC
5. Tertiary Activities: Types of Trade and Services	IC
6. Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe	IM
7. Highways: Roles in Economic Development of India since 1990s	IM
8. International Trade Blocs: WTO and OPEC	IM

CC-10 : ENVIRONMENTAL GEOGRAPHY

Environmental Issues (Theory)

Topic	Teachers' Name
1. Geographers' Approach to Environmental Studies	IM
2. Changes in Perception of Environment in different stages of Human Civilization	IM
3. Ecosystem: Concept, Structure and Functions	IC
4. Environmental Degradation and Pollution: Water and Air	IC
5. Environmental Issues related to Agriculture	IC
6. Urban Environmental issues related to Waste Management	CG
7. Concept and Issues related to Bio-diversity	CG
8. Environmental Programs and Policies on Forest and Wetland: National and Global	CG

Environmental Issues (Practical)

Topic	Teachers' Name
1. Preparation of questionnaire for perception survey on environmental problems	IM
2. Environmental Impact Assessment: Leopold Matrix	CG
3. Quality assessment of soil using field kit: pH and NPK	CG
4. Interpretation of air quality using CPCB / WBPCB data	CG

SEC -2 (Practical) : ADVANCED SPATIAL STATISTICAL TECHNIQUES

1. Concept of Probability and Normal Distribution and their Geographical Applications, Skewness (Pearson's Method)	SS
2. Differences between Spatial and non-Spatial data, Nearest Neighbour Analysis	SS
3. Correlation and Regression Analysis, t-test, Spearman's Rank Correlation, Product Moment Correlation; Linear Regression	IC
4. Time Series Analysis; Smoothing time series by Least Square and/or Moving Average Method	IC

NOTE:

1. IM- Indranil Mondal
2. BM- Biswajit Mondal
3. CG- Chandan Ghosh
4. SS- Subhasish Sytradhar
5. IC-Indrajit Chowdhuri


HEAD
DEPARTMENT OF GEOGRAPHY
HIRALAL BHAKAT COLLEGE
NALHATI, BIRBHUM