

The University of Burdwan
B.A. /B.Sc. (General) in Geography
Semester-I
Hiralal Bhakat College

CC1: Geomorphology and Cartography**Unit I: Geotectonics and Geomorphology (Theory)**

Topic	Teachers' Name
1. Weathering: Types and related landforms	CG
2. Lithosphere – Internal Structure of Earth based on Seismic Evidence	IM
3. Plate Tectonics and its associated landforms	BM
4. Landform development in arid regions	IC
5. Landform development in glaciated regions	IC
6. Development of fluvial landforms	IM
7. Fluvial Cycle of Erosion – Davis and Penck	CG
8. Hydrological Cycle and ground water.	IM

Unit II: Scale and Cartography (Practical)

Topic	Teachers' Name
1. Linear and Comparative scale	IM
2. Proportional diagrams: Circles and squares	IM
3. Composite bar diagram and age-sex pyramid.	IM
4. Taylor's Climograph and Hythergraph	CG

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Semester-III

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CC 3: Human Geography and Map Study

Unit I: Human Geography (Theory)

Topic	Teachers' Name
1. Definition, Nature, Major Subfields, Contemporary Relevance.	IM
2. Space and Society: Cultural Regions; Race; Religion and Language.	IM
3. Eskimos: Adjustment to the environment and recent development.	SS
4. Population: Population Growth and Demographic Transition Theory.	SS
5. Types of population migration with reference to India.	SS
6. World Population Distribution and Composition (Age, Gender and Literacy).	BM
7. Settlements: Types and Patterns of Rural Settlements.	BM
8. Classification of Urban Settlements; Functional classification of towns.	IC

Unit II: Map Projection and Map interpretation (Practical)

Topic	Teachers' Name
1. Simple Conical projection with one standard parallel.	IC
2. Cylindrical Equal Area projection.	IC
3. Interpretation of Topographical maps: Relation between Physiography, drainage and settlement.	BM
4. Interpretation of weather maps.	SS

Skill Enhancement Course

SEC 1 – Computer Basics and Computer Applications

Topic	Teachers' Name
1. Numbering Systems; Binary Arithmetic.	IC
2. Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.	IC
3. Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram.	IC
4. Internet Surfing: Generation and extraction of information.	IC

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Part-III
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Paper-IV: Geography of India and Analytical Techniques in Geography
 Group-A (Theoretical) Geography of India

Topic	Teachers' Name
1.0 PHYSICAL ASPECTS	
1.1 Structure and Relief & their Interrelationship	SS
1.2 Characteristics of River Systems of Peninsular and Extra-Peninsular India	SS
1.3 Climatic Characteristics: Seasonality, Unevenness and Unreliability of Rainfall	IC
1.4 Distribution of Natural Vegetation, Soil and their Interrelationship	IC
2.0 SOCIO-ECONOMIC ASPECTS	
2.1 Distribution and Production of Principal Crops (Rice, Wheat, Cotton and Tea)	IM
2.2 Power Resources: Coal, Petroleum and Hydroelectricity	IM
2.3 Locational Factors and Growth of Iron and Steel and Aluminium Industries	IM
2.4 Population Growth and Distribution, Population Problems, Trends of Urbanisation	BM
3.0 REGIONAL ASPECTS	
3.1 Kashmir Himalaya	BM
3.2 Deccan Trap	BM
3.3 Bengal Delta	CG
3.4 Marusthali	CG

Paper-IV: Geography of India and Analytical Techniques in Geography
 Group-B (Practical) Analytical Techniques in Geography

Topic	Teachers' Name
1.0 STATISTICAL TECHNIQUES	
1.1 Methods of Collection, Classification and Tabulation of Data	SS
1.2 Frequency Distribution: Graphical Representation and Interpretation of Histogram, Frequency Polygon, Curves and Ogives	SS
1.3 Measures of Central Tendency: Mean, Median and Mode	IC
1.4 Simple Correlation: Scatter Diagram and Fitting of Trend-Line by Eye-Estimation	IC
2.0 LABORATORY WORK	
2.1 Reading of Barometer, Hygrometer and Maximum and Minimum Thermometer	IM
2.2 Determination of Soil Texture by Feel Method and Soil pH by Soil Kit	CG
2.3 Measurement of Area by Graphical Method and Length by Rotameter	CG
2.4 Megascopic Identification of Common Minerals and Rocks &	BM

their Characteristics: Quartz, Mica, Feldspar, Bauxite, Haematite, Granite, Basalt, Conglomerate, Sandstone, Shale, Gneiss, Schist, Phyllite and Marble	
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NOTE:

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



HEAD
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