

**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	ND
3. Plate Tectonics and its associated landforms	BM
4. Landform development in arid regions	BS
5. Landform development in glaciated regions	BS
6. Development of fluvial landforms 7. Fluvial Cycle of Erosion – Davis and Penck	RIS
7. Fluvial Cycle of Erosion – Davis and Penck	CG
8. Hydrological Cycle and ground water.	RIS

**Unit II: Scale and Cartography (Practical)**

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

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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.	SG
4. Population: Population Growth and Demographic Transition Theory.	RIS
5. Types of population migration with reference to India.	SG
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.	BS

**Unit II: Map Projection and Map interpretation (Practical)**

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

**Skill Enhancement Course**

**SEC 1 – Computer Basics and Computer Applications**

Topic	Teachers' Name
1. Numbering Systems; Binary Arithmetic.	ND/BS
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.	ND/BS
3. Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram.	ND/BS
4. Internet Surfing: Generation and extraction of information.	ND/BS

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**Semester-V**  
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**DSE-1 A: Geography of India**

**UNIT: 1 – Geography of India**

Topic	Teachers' Name
1. Physical Setting – Landforms, Drainage, Climate	BS
2. Population – Size and Growth since Independence	SG
3. Settlement – Rural and Urban Types	SG
4. Agricultural Resource: Rice and Wheat and Cotton	BM
5. Mineral Resource - Iron ore and Bauxite	RIS
6. Energy Resources: Coal and Petroleum	BM
7. Industries: Cotton Textile and Iron and Steel	CG
8. Regional Account of Sunderban and Marusthali	RIS

**UNIT: 2 – Field Work**

Topic	Teachers' Name
1. Students will prepare a field report based on primary data collected from field survey and secondary data collected from different sources for either a rural area (mouza) or an urban area (municipal ward) based on cadastral or municipal maps to study specific problems	IM, ND, BM, CG, BS, SG, RIS
2. The report should be hand written in candidate's own words (within 2000 words)	IM, ND, BM, CG, BS, SG, RIS
3. The total number of pages in the Field Report should not exceed 30 pages including texts, figures, tables, photographs, maps, references (APA) and appendices	IM, ND, BM, CG, BS, SG, RIS
4. A copy of the bound report, duly signed by the concerned teacher, should be submitted	IM, ND, BM, CG, BS, SG, RIS
5. Preparation of maps (hand-drawn) with suitable scale and latitude-longitude	IM, ND, BM, CG, BS, SG, RIS

**SEC-3: Collection Mapping and Interpretation of Climatic Data**

Topic	Teachers' Name
1. Sources of Climatic Data	CG
2. Instruments for Recording of Climatic Data	CG
3. Preparation of Rainfall – Temperature Graph	CG
4. Preparation of Climograph and Hythergraph	BM
5. Preparation of Ergograph	BM
6. Drawing of Windrose Diagram	BM
7. Drawing Isotherm and Isohyet	RIS
8. Interpretation of daily Indian Weather Map	RIS

NOTE:

1. IM- Indranil Mondal
2. ND – Niladri Das
3. RIS – Rejaul Islam Sana
4. BM- Biswajit Mondal
5. CG- Chandan Ghosh
6. BS – Biplob Sen
7. SG – Sajal Ghosh



HEAD  
DEPARTMENT OF GEOGRAPHY  
**HIRALAL BHAKAT COLLEGE**  
NALHATI, BIRBHUM