

**Department of Geography  
Sarat Centenary College**

**Academic Calendar & Plan of 2023-2024**

**Distribution of syllabus into Modules and Units of B.A. 3-Year Degree/4-Year Honours in  
Geography under Curriculum and Credit Framework for Undergraduate Programmes  
(CCFUP) as per NEP, 2020**

**Orientation Programme – 1<sup>st</sup> week of July - General outline on the emergence of Geography as an  
academic discipline and its Scope & Importance along with brief introduction programme**

**Semester-I (MAJOR)**

**1st Module (July to September)**

**Core Course I: GEOTECTONICS AND GEOMORPHOLOGY**

**Credits: Theory-4, Marks – 75, Theory – 60, Internal Assessment – 15**

**Name of the Teacher: Prof. Basudev Halder, Prof. Jayanta Manik, Prof. Aditi Sinha & Prof.  
Soumi Chottopadhyay**

**Theory**

**Unit 1: Earth's crust and interior: Internal structure with seismological evidences (AS)**

**Unit 2: Theories of Isostasy: Airy & Pratt (BH)**

**Unit 3: Continental Drift: Evidences, criticism and importance (SC)**

**Unit 4: Fundamental principles of Geomorphology (BH)**

**Unit 5: Denudational processes and resultant landforms: Weathering and Mass movement (AS)**

**Unit 6: Theories of landscape evolution: Davis, Penck, and Hack (JM)**

**2<sup>nd</sup> Module (October to December)**

**Core Course I: GEOTECTONICS AND GEOMORPHOLOGY**

**Credits: Theory-4, Marks – 75, Theory – 60, Internal Assessment – 15**

**Name of the Teacher: Prof. Basudev Halder, Prof. Soumi Chottopadhyay, Prof. Jayanta Manik, Prof.  
Sanjib Nayek**

**Theory**

**Unit 1: Sea floor spreading: Process, evidences (Palaeomagnetism) (SN)**

**Unit 2: Plate Tectonics: Mechanism of movements, vulcanism, genesis of earthquake and Mountain building (JM)**

**Unit 3: Folds and Faults: Origin and classification (BH)**

**Unit 4: Slope development: Theories of King and Wood (SN)**

**Unit 5: Processes and landforms: Fluvial and Coastal (SC)**

**Unit 6: Drainage development on Uniclinal and folded structure (BH)**

**Internal Assessment: 1<sup>st</sup> Week of December**

**Theory Examination: as per notification of B.U. (Tentatively on December)**

## **Semesterr-II (MAJOR)**

### **Ist Module (January to March)**

#### **Core Course II: POPULATION AND SETTLEMENT GEOGRAPHY**

**Credits: Theory-4, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05**

**Name of the Teacher: Prof. Sanjib Nayek, Prof. Aditi Sinha & Prof. Soumi Chottopadhyay**

#### **Theory**

**Unit 1: Development of Population Geography; Relation between Population Geography and Demography (AS)**

**Unit 2: Determinants of Population Dynamics: Fertility, Mortality and Migration (SN)**

**Unit 3: Measures of Fertility and Mortality (SN)**

**Unit 4: Development of Settlement Geography (AS)**

**Unit 5: Characteristics of Rural Settlement: Site, Situation, types and Pattern (SC)**

**Unit 6: Morphology of rural Settlements (SN)**

### **2<sup>nd</sup> Module (April to June)**

#### **Core Course II: POPULATION AND SETTLEMENT GEOGRAPHY**

**Credits: Theory-4, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05**

**Name of the Teacher: Prof. Soumi Chottopadhyay, Prof. Jayanta Manik, Prof. Sanjib Nayek**

#### **Theory**

**Unit 1: Migration: Theories, Causes and Types (SC)**

**Unit 2: Theories of population growth: Malthus and Marx; Demographic Transition Theory (Thompson and Notestein) (JM)**

**Unit 3: Population Composition (Age-Sex; Occupational Structure); Population policies (India and Sweden) (SN)**

**Unit 4: Urban Settlements: Census Definition, Urban Agglomeration; Urban sprawl, Rural-urban Continuum, Rurban and Periurban (SN)**

**Unit 5: Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ullman (JM)**

**Unit 6: Central place theory and Hierarchy of settlements; Urban primacy (SN)**

**Internal Assessment: 4<sup>th</sup> Week of May**

**Theory Examination: as per notification of B.U. (Tentatively on June)**

## **Semester-I (SEC-I)**

### **1st Module (July to September)**

**Computer Basics and Computer Applications (Practical)**

**Credits: Practical-3, Marks – 50, Practical – 40, Internal Assessment – 10**

**Name of the Teacher: Prof. Basudev Haldar, Prof. Jayanta Manik**

#### **Practical**

**Unit 1: Numbering Systems; Binary Arithmetic (BH)**

**Unit 2: Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation (JM)**

**Unit 3: Moving Averages, Derivation of Correlation (JM)**

## **Semester-I (SEC-I)**

### **2<sup>nd</sup> Module (October to December)**

**Computer Basics and Computer Applications (Practical)**

**Credits: Practical-3, Marks – 50, Practical – 40, Internal Assessment – 10**

**Name of the Teacher: Prof. Basudev Haldar, Prof. Jayanta Manik**

**Practical**

**Unit 3: Covariance and regression; Selection of technique and interpretation (JM)**

**Unit 4: Preparation of annotated diagrams and its interpretation: Scatter diagram and Histogram (JM)**

**Unit 5: Internet surfing: generation and extraction of information (BH)**

**Internal Assessment: 1<sup>st</sup> Week of December**

**Practical Examination: as per notification of B.U. (Tentatively in December)**

**Semester-II (SEC-II)**

**1st Module (January to March)**

**FIELD SURVEY TECHNIQUES (Theory)**

**Credits: Theory-3, Marks – 50, Theory – 40, Internal Assessment – 10**

**Name of the Teacher: Prof. Basudev Haldar, Prof. Jayanta Manik**

**Theory**

**Unit 1 Fieldwork in Geographical studies – Role and significance, Selection of study area and objectives, Pre-field preparations, Ethics of fieldwork (JM)**

**Unit 2: Preparation of Survey Schedule and Questionnaires (open, closed, structured, non-structured) (JM)**

**Unit 3: Interview with special reference to focused group discussions (BH)**

**Semester-II (SEC-II)**

**2<sup>nd</sup> Module (April to June)**

**FIELD SURVEY TECHNIQUES (Theory)**

**Credits: Theory-3, Marks – 50, Theory – 40, Internal Assessment – 10**

**Name of the Teacher: Prof. Basudev Haldar, Prof. Aditi Sinha**

**Theory**

**Unit 4: Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording (BH)**

**Unit 5: Collection of samples. Preparation of inventory from field data. Post-field tasks (AS)**

**Internal Assessment: 4<sup>th</sup> Week of May**

**Theory Examination: as per notification of B.U. (Tentatively in June)**

**Semester-I (MDC)**

**1st Module (July to September)**

**Course I: PHYSICAL GEOGRAPHY (Theory)**

**Credits: Theory-3, Marks – 50, Theory – 40, Internal Assessment – 10**

**Name of the Teacher: Prof. Jayanta Manik, Prof. Sanjib Nayek**

**Theory**

**Unit 1: Internal Structure of Earth (SN)**

**Unit 2: Geomorphic Processes: Weathering and Erosion (SN)**

**Unit 3: Processes and Landforms: Fluvial, Glacial and Aeolian (SN)**

**Unit 4: Composition and Structure of Atmosphere (JM)**

**2<sup>nd</sup> Module (October to December)**  
**Course I: PHYSICAL GEOGRAPHY (Theory)**  
**Credits: Theory-3, Marks – 50, Theory – 40, Internal Assessment – 10**  
**Name of the Teacher: Prof. Basudev Halder, Prof. Jayanta Manik**

**Theory**

**Unit 5: Insolation, Heat Budget, Horizontal and Vertical Distribution of Temperature (JM)**  
**Unit 6: Hydrological Cycle (BH)**  
**Unit 7: Soil forming factors; Types of soil: Zonal, Azonal and Intrazonal (BH)**  
**Unit 8: Classification of Natural Vegetation (BH)**

**Internal Assessment: 1<sup>st</sup> Week of December**  
**Theory Examination: as per notification of B.U. (Tentatively on December)**

**Semesterr-II (MDC)**

**Ist Module (January to March)**  
**Course II: HUMAN GEOGRAPHY (Theory)**  
**Credits: Theory-3, Marks – 50, Theory – 40, Internal Assessment – 10**  
**Name of the Teacher: Prof. Basudev Halder, Prof. Jayanta Manik**

**Theory**

**Unit 1: Population: Distribution, Density and Growth (BH)**  
**Unit 2: Types of population migration (BH)**  
**Unit 3: Economic Activities: Primary, Secondary and Tertiary (BH)**  
**Unit 4: Types and Patterns of Rural Settlements (JM)**

**2<sup>nd</sup> Module (April to June)**

**Course II: HUMAN GEOGRAPHY (Theory)**  
**Credits: Theory-3, Marks – 50, Theory – 40, Internal Assessment – 10**  
**Name of the Teacher: Prof. Jayanta Manik, Prof. Sanjib Nayek**

**Theory**

**Unit 5: Definition and Types of Urban Settlements (JM)**  
**Unit 6: Major Ethnic groups of the World (SN)**  
**Unit 7: Cultural Diffusion (SN)**  
**Unit 8: Indicators of Human Development (SN)**

**Internal Assessment: 4<sup>th</sup> Week of May**  
**Theory Examination: as per notification of B.U. (Tentatively on June)**