

**ASANNAGAR MMT COLLEGE**  
**DEPARTMENT OF GEOGRAPHY, 3<sup>RD</sup> SEMESTER GE LESSON PLAN**  
**JULY-DECEMBER SESSION**  
**GEO/H/GE/T/03/A: (Theory): Climate Change: Vulnerability and Adaptation**

UNIT	TOPIC	TEACHER	TOTAL CLASS
Unit-1	Science of Climate Change: Understanding Climate Change; Green House Gases and Global Warming; Global Climatic Assessment- IPCC Reports	Baidyanath Sarkar	8
Unit-2	Climate Change and Vulnerability: Physical Vulnerability; Economic Vulnerability; Social Vulnerability	Baidyanath Sarkar	8
Unit-3	Impact of Climate Change: Agriculture and Water; Flora and Fauna; Human Health	Baidyanath Sarkar	8
Unit-4	Adaptation and Mitigation: Global Initiatives with Particular Reference to South Asia	Baidyanath Sarkar	8
Unit-5	Key Concepts of National Action Plan of India on Climate Change; Role of Local Institutions (Urban Local Bodies, Panchayats) on Climatic Change Mitigation: Awareness and Action Programmes	Baidyanath Sarkar	8

**ASANNAGAR MMT COLLEGE**  
**DEPARTMENT OF GEOGRAPHY, 3<sup>RD</sup> SEMESTER CORE PROGRAM LESSON PLAN**  
**JULY-DECEMBER SESSION**  
**GEO/G/CC/T/03: (Theory): Human Geography**

Unit	Topic	Teacher	Total Class
Unit-1	Definition, Nature, Major Subfields, Contemporary Relevance	Baidyanath Sarkar	4
Unit-2	Space and Society: Cultural Regions; Race; Religion and Language	Baidyanath Sarkar	5
Unit-3	Population: Population Growth and Demographic Transition Theory	Baidyanath Sarkar	4
Unit-4	Types of Population Migration with Reference to India	Baidyanath Sarkar	4
Unit-5	World Population Distribution and Composition (Age, Gender and Literacy)	Baidyanath Sarkar	5
Unit-6	Settlements: Types and Patterns of Rural Settlements	Baidyanath Sarkar	4
Unit-7	Classification of Urban Settlements; Functional Classification of Towns	Baidyanath Sarkar	4

**ASANNAGAR MMT COLLEGE**  
**DEPARTMENT OF GEOGRAPHY, 3<sup>RD</sup> SEMESTER CORE PROGRAM LESSON PLAN**  
**JULY-DECEMBER SESSION**  
**GEO/G/CC/P/03: (Practical): Map Projection and Map Interpretation**

Unit	Topic	Teacher	Total Class
Unit-1	Simple Conical Projection with One Standard Parallel	Baidyanath Sarkar	2
Unit-2	Cylindrical Equal Area Projection	Baidyanath Sarkar	2
Unit-3	Interpretation of Topographical Maps: relation between Physiography, Drainage and Settlement	Baidyanath Sarkar	3
Unit-4	Interpretation of Weather Maps (Pre-Monsoon, Monsoon and Post Monsoon)	Baidyanath Sarkar	3

## ASANNAGAR MMT COLLEGE

### DEPARTMENT OF GEOGRAPHY, 3<sup>RD</sup> SEMESTER CORE PROGRAM SEC LESSON PLAN

#### JULY-DECEMBER SESSION

#### GEO/G/SEC/P/01/A: (Practical): Computer Basics and Computer Applications

Unit	Topic	Teacher	Total Class
Unit-1	Numbering Systems; Binary Arithmetic	Baidyanath Sarkar	7
Unit-2	Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Coefficient of Variation , Regression	Baidyanath Sarkar	8
Unit-3	. Preparation of Annotated Diagrams and its Interpretation: Scatter Diagram and Histogram	Baidyanath Sarkar	8
Unit-4	Internet Surfing: Generation and Extraction of Information	Baidyanath Sarkar	7

## ASANNAGAR MMT COLLEGE

### DEPARTMENT OF GEOGRAPHY, 5<sup>TH</sup> SEMESTER CORE PROGRAM DSE LESSON PLAN

#### JULY-DECEMBER SESSION

#### GEO/G/DSE/T/01/A: (Theory): Geography of India

Unit	Topic	Teacher	Total Class
Unit-1	Physical Setting – Location, Structure and Relief, Drainage, Climate.	Baidyanath Sarkar	8
Unit-2	Population – Size and Growth since 1901, Population Distribution, Literacy, Sex Ratio.	Baidyanath Sarkar	8
Unit-3	Settlement System - Rural Settlement Types and Patterns, Urban Pattern.	Baidyanath Sarkar	8
Unit-4	4. Resource Base – Livestock (cattle and fisheries), Power (coal, and hydroelectricity), Minerals (iron ore and bauxite).	Baidyanath Sarkar	8
Unit-5	Economy – Agriculture (Rice, Wheat, Sugarcane, Groundnut, Cotton); Industries (Cotton Textile, Iron-Steel, Automobile), Transportation Modes (Road and Rail).	Baidyanath Sarkar	8

# ASANNAGAR MMT COLLEGE

## DEPARTMENT OF GEOGRAPHY, 5<sup>TH</sup> SEMESTER CORE PROGRAM GE LESSON PLAN

### JULY-DECEMBER SESSION

#### GEO/G/GE/T/01: (Theory): Disaster Management

Unit	Topic	Teacher	Total Class
Unit-1	Definition and Concepts: Hazards, Disasters; Risk and Vulnerability; Classification of hazards	Baidyanath Sarkar	8
Unit-2	Disasters in India: (a) Flood: Causes, Impact, Distribution and Mapping; Landslide: Causes, Impact, Distribution and Mapping; Drought: Causes, Impact, Distribution and Mapping	Baidyanath Sarkar	8
Unit-3	Disasters in India: (b) Earthquake and Tsunami: Causes, Impact, Distribution and Mapping; Cyclone: Causes, Impact, Distribution and Mapping.	Baidyanath Sarkar	8
Unit-4	Manmade disasters: Causes, Impact, Distribution and Mapping of Soil erosion and Accidental release of toxic chemicals	Baidyanath Sarkar	8
Unit-5	Response and Mitigation to Disasters: Institutional set up, NDMA and NIDM; Indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During and Post Disasters	Baidyanath Sarkar	8