



Department of Geography Honours and Program

SEMESTER - I

Course Code: GEO-H-DSC-1-01-TH - Geotectonic

Course Outcome

CO.1 Explaining the Earth's tectonic and structural evolution with reference to geological time scale.

CO.2 Understanding the Earth: Interior structure and theories of Isostasy.

CO.3 Overview of Earth Movements: Plate Tectonics: constructive, conservative and destructive plate margins and resultant landforms; and sea floor spreading.

CO.4 Discussing the types of folds and faults and resultant landforms, earthquakes; volcanoes and associated landforms.

Course Code: Geo-H-DSC-1-01- PR - Practical

Course Outcome

CO.1 Overview and the development of Scale with its Concept and application.

CO.2 Processing various maps by different kinds of Map projections

Course Code: GEO-H-DSC-1-02-TH – Geomorphology

Course Outcome

CO.1 Studying the Geomorphology: Nature and scope; Fundamental concepts

CO.2 Overview of Geomorphic processes: weathering, mass wasting, and cycle of erosion (Davis and Penck).

CO.3 Describing the Evolution of erosional and depositional landforms: fluvial, karst, aeolian, glacial, and coastal.

CO.4 Carrying out about the forms and process of Slope.

Course Code: Geo-H-DSC-1-02- PR – Practical

Course Outcome

CO.1 Overview and critical appraisal of different Topographical Maps.

CO.2 Identification of different Rocks and Minerals through Megascopic study.

SEMESTER – II

Course Code: Geo-H-DSC-2-03- TH – Human Geography

Course Outcome

CO.1 Overview and critical appraisal of Human Geography; major themes; contemporary relevance

CO.2 Understanding the variations of Space and society: cultural regions; race; religion and language

CO.3 Realising the various components of Population growth and distribution, Special reference to India

CO.4 Emphasizing the significance of Population-Resource relationship.

Course Code: Geo-H-DSC-2-03-PR - Practical

Course Outcome

CO.1 Realising the various components of Diagrammatic data presentation.

CO.2 Assessing different kinds of Thematic Mapping Techniques.

Course Code: Geo-H-DSC-2-04-TH – Settlement Geography

Course Outcome

CO.1 Emphasizing the significance of Origin and growth of rural and urban settlements.

CO.2 Discussing the Classification and morphology of settlements.

CO.3 Overview and critical appraisal of Trends and patterns of world urbanization with special reference to India.

CO.4 Assessing the Classification of Theories of urban growth and development.

Course Code: Geo-H-DSC-2-04-PR – Practical

Course Outcome

CO.1 Carrying out the Field Surveying by different major Instruments

CO.2 Assessing different kinds of Thematic Mapping techniques Prepared and interpret by conventional method.

SEMESTER – III

Course Code: Geo-H-DSC-3-05-TH – Climatology

Course Outcome

CO.1 Explaining the Composition and Structure of the atmosphere.

CO.2 Understanding the distribution of Atmospheric pressure and winds.

CO.3 Emphasizing the significance of Atmospheric moisture, process and different forms

CO.4 Overview and critical appraisal of various Cyclones.

Course Code: Geo-H-DSC-3-05-PR – Practical

Course Outcome

CO.1 Techniques of using various Meteorological Instruments for assessing the temperature, air pressure, relative humidity and the amount of rainfall

CO.2 Overview and critical appraisal of Indian daily weather reports with the representation of various climatic techniques

Course Code: Geo-H-DSC-3-06-TH – Statistical Methods in Geography

Course Outcome

CO.1 Explaining the Significance of statistics in Geography.

CO.2 Assessing the processes of data use in Geography.

CO.3 Theoretical distribution: probability and normal distribution

Course Code: Geo-H-DSC-3-06-PR – Practical

Course Outcome

CO.1 Overview and critical appraisal of data Tabulation

CO.2 Emphasizing the importance and dynamics of various Association and Correlation.

Course Code: Geo-H-DSC-3-07-TH – Geography of India

Course Outcome

CO.1 Explaining the various Physiographic divisions of India with the geomorphologic characteristics.

CO.2 Overview and distribution of Economic, Mineral and power resources distribution and utilisation of iron ore.

CO.3 Discussing the locational factors and distribution of population by race, caste, religion, language, tribes and their correlates.

CO.4 Assessing the role of Regionalisation of India.

Course Code: Geo- H-DSC-3-07-PR – Practical

Course Outcome

CO.1 Establishing the Relationship between Monthly temperature and rainfall graphs of five selected from different physiographic regions of India

CO.2 Assessing the processes of various arithmetic growth rate of population comparing two decadal datasets.

Course Code: Geo-SEC-A-3-01-TH – Remote Sensing

Course Outcome

CO.1 Explaining the Theoretical distribution of Remote Sensing

CO.2 Discussing about the Satellite Remote Sensing and principals of EMR interactions.

CO.3 Assessing the processes of Image Processing (Digital and Manual).

CO.4 Assessing different kinds of Satellite Image Interpretation.

SEMESTER - IV

Course Code: Geo-H-DSC-4-08-TH – Economic Geography

Course Outcome

CO.1 Studying the behaviour and characteristics of economic activity; factors affecting location of economic activity with special reference to agriculture.

CO. 2 Understanding the different kinds of Economic Activities: Primary, Secondary and Tertiary

Course Code: Geo-H-DSC-4-08-PR – Practical

Course Outcome

CO.1 Emphasizing the Transport network analysis

CO.2 Representation of state wise variation in occupational structure and work participation rate using various cartograms.

Course Code: Geo-H-DSC-4-09-TH – Regional Planning and Development

Course Outcome

CO.1 Assessing the evolution and types of regional planning.

CO.2 Discussing the Development of a region for planning: Characteristics of an ideal planning region.

CO.3 Explaining the significance of Theories and Models for regional planning.

CO.4 Overview of Measuring the developmental indicators.

Course Code: Geo-H-DSC-4-09-PR – Practical

Course Outcome

CO.1 Processing Delineation of formal regions by various methods

CO.2 Assessing the inequality by various regional index.

Course Code: Geo-H-DSC-4-10-TH - Field Work and Research Methodology

Course Outcome

CO.1 Discussing about the importance of Field work in geographical studies.

CO.2 To know about the process of field and identifying the case study.

CO.3 Explaining the significance of different Field techniques.

CO.4 Discussing about various research problems; objectives and hypothesis

Course Code: Geo-H-DSC-4-10-PR – Practical

Course Outcome

CO.1 To know about how to use of field tools.

CO.2 Assessing the evolution of designing the field report.

Course Code: Geo-SEC-A-4-02-TH – Geographical Information System

Course Outcome

CO.1 Explaining the significance of Geographical Information System.

CO.2 Overview of Measuring the Global Positioning System (GPS)

CO.3 Emphasizing the knowledge of GIS Data Structures.

CO.4 To know about the process of GIS Data Analysis

CO.5 Understanding the different Applications of GIS.

Course Code: Geo-H-DSC-5-11-TH – Environmental Geography

Course Outcome

CO.1 Understanding about the Concept and Components of Environmental Geography.

CO.2 Emphasizing about the difference between Human-environment relationships

CO.3 Discuss about the Concept, structure and functions of Ecosystem.

CO.4 Overview of Environmental programmes and policies

Course Code: Geo-H-DSC-5-11-PR – Practical

Course Outcome

CO.1 To learn about the Preparation of questionnaire for perception survey on environmental problems

CO.2 Processing the Project on environmental problems of North Bengal.

Course Code: Geo-H-DSC-5-12-TH - Remote Sensing and GIS

Course Outcome

CO.1 Explaining the Theoretical distribution of Remote Sensing and GIS

CO.2 Discussing about the Aerial Photography and Satellite Remote Sensing

CO.3 Emphasizing the knowledge of GIS Data Structures

CO.4 Understanding about the Interpretation and application of Remote Sensing and GIS

Course Code: Geo-H-DSC-5-12-PR -Practical

Course Outcome

CO.1 Assessing about the technique of Air Photo and Satellite Image Interpretation

CO.2 Applying the processes of Image Processing (Digital and Manual).

Course Code: Geo-H-DSE-5-01-TH – Urban Geography

Course Outcome

CO.1 Discussing about the Nature and Scope of Urban geography.

CO.2 Understanding about the Patterns of urbanisation.

CO.3 Assessing about the techniques of Functional classification of cities.

CO.4 Emphasizing the Urban Issues: problems of housing, slums and civic amenities.

Course Code: Geo-H-DSE-5-02-PR – Practical

Course Outcome

CO.1 Processing the Hierarchy of urban settlements

CO.2 Establishing the Temporal analysis of State-wise variation and trends of urbanisation.

Course Code: Geo-H-DSE-5-02-TH - Agricultural Geography

Course Outcome

CO.1 Defining about the Introduction, nature and scope; Land use/ land cover information of Agricultural Geography

CO.2 Emphasizing about the Determinants of Agriculture

CO.3 Analyse the various Agricultural Regions of India

CO.4 Overview of Agricultural Systems of the world and Agricultural land use model.

Course Code: Geo-H-DSE-5-02-PR – Practical

Course Outcome

CO.1 Assessing different Measurements of agricultural efficiency and cropping intensity models.

SEMESTER – VI

Course Code: Geo-H-DSC-6-13-TH - Evolution of Geographical Thoughts

Course Outcome

CO.1 Understanding about the Development of geographical thought

CO.2 Explaining the theories of Modern evolution of geographical thinking and disciplinary trends in various countries.

CO.3 Assessing the debates between Environmental Determinism and Possibilism

CO.4 Explaining the Concept of Quantitative Revolution and its impacts in the future of Geography.

Course Code: Geo-H-DSC-6-13-PR – Practical

Course Outcome

CO.1 Emphasizing various Quantitative techniques in geography

CO.2 Overview of the methods of Crop combination by Weber, Rafiulla and Doi

Course Code: Geo-H-DSC-6-14-TH – Disaster Management

Course Outcome

CO.1 Discussing about the Definition, classification of hazards and disasters

CO.2 Assessing about the Approaches to hazard study

CO.3 Explaining the Concept of Factors, consequences and management of earthquake

CO.4 Analyse about the various Human induced disaster

Course Code: Geo-H-DSC-6-14-PR - Practical

Course Outcome

CO.1 Learn about the processing Project report based on any one field-based case study from the following disaster will be prepared

Course Code: Geo-H-Dse-6-03-TH - Political Geography

Course Outcome

CO.1 Establishing the Nature Scope and content of Political Geography

CO.2 Overview of the concept of State, Nation and Nation State

CO.3 Discussing about the concept of Political Geography of resource conflicts

CO.4 Explaining the Concept of Politics of displacement

Course Code: Geo-H-Dse-6-03-PR – Practical

Course Outcome

CO.1 Analyse the Preparation of spatial distribution and Social Impact Assessment maps of India.

Course Code: Geo-H-DSE-6-04-TH - Social Geography

Course Outcome

CO.1 Establishing the concept, origin, nature and scope of Social geography.

CO.2 Discuss about the technology of Peopling process of India.

CO.3 Emphasizing the different kinds of Social categories.

CO.4 Overview the concept and components of Geographies of welfare and wellbeing.

COURSE CODE: GEO-H-DSE-6-04-PR – Practical

Course Outcome

CO.1 Understanding the Flow chart to show migration trends.

CO.2 Emphasizing the Spatial distribution of caste, religion and gender in India using cartogram techniques.

Geography
Generic Elective
SEMESTER – I and III

Course Code: Geo-GE-01-TH - Physical Geography

Course Outcome

CO.1 Discussing about the Geography as a discipline: Meaning, scope and content, branches of geography

CO.2 Understanding the Origin and evolution of the earth of Geotectonics

CO.3 Explaining the Major types of rocks and their characteristics

CO.4 Overview of various Geomorphic processes

CO.5 Emphasizing the geomorphology of river, glacier and wind.

Course Code: Geo-GE-01-PR – Practical

Course Outcome

CO.1 Overview and the development of Scale with its Concept and application.

CO.2 Processing various maps by different kinds of Map projections

SEMESTER – II and IV

Course Code: Geo-GE-02-TH - Geography of India

Course Outcome

CO.1 Explaining the various Physiographic divisions of India with the geomorphologic characteristics.

CO.2 Overview and distribution of settlements, morphology

CO.3 Discussing the locational factors and distribution of Intensive farming, plantation farming, horticulture

CO.4 Establishing the Factors of industrial location

CO.4 Assessing the role of Growth and distribution of population.

Course Code: GEO-GE-02-PR -Practical

Course Outcome

CO.1 Analysis of various Geological maps

CO.2 Assessing different kinds of Topographical Maps and its Interpretation.

**Geography
Programme Course
SEMESTER – I**

Course Code: GEO-P-CC-1-01-TH - Physical Geography

Course Outcome

- CO.1 Explaining the Interior structure of Earth with special reference to seismology
- CO.2 Overview the theory of Plate Tectonics as a unified theory of global tectonics
- CO.3 Understanding the concept of Folds and faults
- CO.4 Discuss about the Principals of geomorphic agents

Course Code: GEO-P-CC-1-01-PR – Practical

Course Outcome

- CO.1 Overview and the development of Scale with its Concept and application.
- CO.2 Processing various maps by different kinds of Map projections

SEMESTER - II

Course Code: GEO-P-CC-2-02-TH - Human Geography

Course Outcome

- CO.1 Overview and critical appraisal of Human Geography, Introduction, Scope and Content
- CO.2 Understanding the variations of cultural regions; race; religion and language
- CO.3 Realising the various components of Population growth and distribution, Special reference to India
- CO.4 Emphasizing the significance of Population-Resource relationship.

Course Code: GEO-P-CC-2-02-PR – Practical

Course Outcome

- CO.1 Establishing the Diagrammatic Data Presentation
- CO.2 Understanding various Thematic Mapping Techniques

SEMESTER – III

Course Code: GEO-P-CC-3-03-TH - Regional Development

Course Outcome

CO.1 Overview and critical appraisal of Regional planning

CO.2 Understanding Regional Imbalances and problems of functional regions

CO.3 Explaining the Strategies; Models for Regional Planning

CO.4 Understanding the Problem Regions and Regional Planning development plans of India

Course Code: GEO-P-CC-3-03-PR - Practical

Course Outcome

CO.1 Assessing different kinds of Topographical Maps and its Interpretation.

CO.2 Analysis of various Geological maps

Course Code: GEO-SEC-A-3-01-TH – Remote Sensing

Course Outcome

CO.1 Explaining the Theoretical distribution of Remote Sensing

CO.2 Discussing about the Satellite Remote Sensing and principals of EMR interactions.

CO.3 Assessing the processes of Image Processing (Digital and Manual).

CO.4 Describing different kinds of Satellite Image Interpretation.

CO.5 Establishing various Applications of Remote Sensing

SEMESTER - IV

Course Code: GEO-P-CC-4-04-TH - Spatial Information Technology

Course Outcome

- CO.1 Explaining about Introduction of Spatial Information Technology
- CO.2 Discussing about the Spatial Information and Data interpolation and modelling
- CO.3 Establishing the Functions of Spatial information system
- CO.4 Describing about the Application of Spatial Information Technology

Course Code: GEO-P-CC-4-04-PR – Practical

Course Outcome

- CO.1 Overview of physical and cultural features from aerial photographs
- CO.2 Establishing various Statistical techniques

Course Code: GEO-SEC-A-4-02-TH – Geographical Information System

Course Outcome

- CO.1 Explaining the significance of Geographical Information System.
- CO.2 Overview of Measuring the Global Positioning System (GPS)
- CO.3 Emphasizing the knowledge of GIS Data Structures.
- CO.4 To know about the process of GIS Data Analysis
- CO.5 Understanding the different Applications of GIS.

SEMESTER – V

Course Code: GEO-P-DSE-5-01-TH – Disaster Management

Course Outcome

CO.1 Discussing about the Definition, classification of hazards and disasters

CO.2 Assessing about the Approaches to hazard study

CO.3 Explaining the Concept of Factors, consequences and management of earthquake

CO.4 Analyse about the various Response and mitigation to disasters

Course Code: GEO-P-DSE-5-01-PR - Practical

Course Outcome

CO.1 Learn about the processing Project report based on any one field-based case study from the following disaster will be prepared

Course Code: GEO-P-DSE-5-01-TH - Sustainable Development

Course Outcome

CO.1 Explaining the definition, components, limitations and historical background

CO.2 Describing the Millennium Development Goals

CO.3 Emphasizing the Inclusive Development of sustainable development

CO.4 Overview of Sustainable Development policies and programmes

Course Code: GEO-P-DSE-5-01-PR – Practical

Course Outcome

CO.1 Establishing the Project report based on any one field based case study among Health issues in any local village Education status in any local village.

SEMESTER – VI

Course Code: GEO-P-DSE-6-02-TH - Climate Change: Vulnerability And Adaptation

Course Outcome

CO.1 Discussing the Science of climate change

CO.2 Assessing the Climate change and vulnerability

CO.3 Overview of the impacts of climate Change

CO.4 To know about the process of Adaptation and mitigation to South Asia

Course Code: GEO-P-DSE-6-02-PR - Practical

Course Outcome

CO.1 Emphasizing the Project report based on climate change field based case studies

Course Code: GEO-P-DSE-6-02-TH - Rural Development

Course Outcome

CO.1 Explaining the Development and Inter-Dependence of Urban and Rural Sectors

CO.2 Understanding the Rural Economic Base

CO.3 Overview of Area Based Approach to Rural Development

CO.4 Analyse the Target Group Approach of Rural Development

COURSE CODE: GEO-P-DSE-6-02-PR - Practical

Course Outcome

CO.1 Realising the case study on socio economic status of Mouza or Village level