

**Sitalkuchi College**  
**Department of Geography**  
**Honours Course**

**COURSE OUTCOMES OF GEOGRAPHY HONOURS COURSE**

**C-1: Geomorphology**

The learning outcome of this course is to:

- i. Make students familiarised with the theoretical foundations and conceptual grounding of this branch.
- ii. Understand many facets of surface relief features, factors controlling its evolution on the Earth.
- iii. Students will also learn how geological structures play dominant roles in the evolution of landforms.
- iv. Gain knowledge on crustal mobility and tectonics with special emphasis on their role in landform development.

**C-2: Cartographic Techniques & Identification of Samples of Rocks and Minerals**

This Practical based course would enable students to:

- i. Know the basics of map making with special emphasis on concept of scales in map making.
- ii. Understand the properties of projection and method of map construction.
- iii. Acquire knowledge on representation data with different cartographic techniques.
- iv. Develop the skill of megascopic identification of rocks and minerals.

### **C-3: Human Geography**

The learning outcome of this course would be the following:

- i. To Gain knowledge about major themes of human Geography.
- ii. Acquire knowledge on the concepts of culture and society.
- iii. Understand the theoretical basis of population growth and spatial distribution as well as the impact of population growth on available resources on the earth.
- iv. Develop an idea about diverse patterns, evolution and growth of human settlements and conceptual theories related to it.

### **C-4: Statistics, Topographical Map Interpretation & Analysis of Geological Maps.**

After completion of this course the students would:

- i. Learn the significance of statistics in geography.
- ii. Understand the methods of using and representing data in geography.
- iii. Gain knowledge on different statistical methods and its application in Geography.
- iv. Learn to analyse and interpret Topographical Maps and Geological Maps.

### **C-5: Climatology**

This course is helpful for the students for the following reasons. The learners would be able to:

- i. Understand the elements of weather and climate, different atmospheric phenomena and climate change.
- ii. Analyse the dynamics of the Earth's atmosphere and global climate.
- iii. Learn different approaches to climate classification.

## **C-6: Soil Geography and Biogeography**

This course generates knowledge on the following spheres:

- i. Explore the factors influencing soil formation and development.
- ii. Examine the interactions between soil, vegetation and climate.
- iii. Acquire the information of different physical and chemical properties of soil and its role in plant growth.
- iv. Understand the principles and concepts of Biogeography.
- v. Evaluate the interactions between organisms and their environment including the concept of ecosystem.
- vi. Evaluate the impacts of human activities on biodiversity and ecological communities.
- vii. Identify and classify different biomes and their characteristics.

## **C-7: Statistical methods in Geography & Meteorological Data Interpretation (Practical)**

At the end of this course learners become able to develop practical knowledge in application of statistical methods.

- i. They would know about different measures of dispersion, bi-variate data analysis, rank correlation methods and measures of inequality.
- ii. They would also expertise in different techniques of thematic mapping using cartographic symbols.

### **GE-3: Disaster Management**

This is a generic elective paper with a view to make the students of other honours subjects understand the basic conceptual understanding of disaster and its relation with development.

- i. The students would be able to develop insights about the relevance of studying disaster management as topic of discussion in Geography.
- ii. Understand the different types of disasters and causes for disasters.
- iii. Gain knowledge on the impacts Disasters on environment and society.
- iv. This course will be useful for the students in understanding the relationship between vulnerability, disasters, disaster prevention and risk reduction.

### **SEC-1: Environmental Impact Assessment (Practical)**

On successful completion of the course, the students will be able to attain the following outcomes:

- i. Understand the concept of disaster and hazard and its effect on environment.
- ii. Explicate the concept of EIA.
- iii. Identify the objectives and scope of EIA.
- iv. Able to collect information on any natural or man -made hazard and prepare a project report on the basis of the collected information.

## **C-8: Geographical Thought**

The probable outcomes of this course are the following:

- i. The students would be able to trace the gradual evolution of Geography as a discipline since ancient through mediaeval to modern ages.
- ii. Develop an idea on evolution of different world school of thoughts and disciplinary trends.
- iii. Explicate the concept of dichotomy and dualism in Geography.
- iv. Know the effect of scientific advancements like quantitative revolution and systems and models in the development of the discipline.

## **C-9: Economic and Environmental Geography**

This course would be beneficial for the students for the following reasons. The students would:

- i. Gain knowledge on economy and economic activities.
- ii. Develop an idea on the factors affecting the location of economic activities like agriculture and industry.
- iii. Learn about the concept of Environmental Geography, its scope and content.
- iv. Understand the different components of environment.
- v. Know the complexities of man- environment relationship in different biomes.
- vi. Aware of the objectives and impact of environmental Programmes adopted in world and India.

## **C-10: Remote Sensing and Surveying (Practical)**

After completing this course, the student will have acquired the ability on the following:

- i. Understand the basic components of remote sensing and know about different remote sensing platforms and electromagnetic radiation.
- ii. Able to comprehend and identify different features using mirror stereoscope.
- iii. Gain knowledge of satellite imageries and able to interpret images visually.
- iv. Acquire practical skills of surveying using survey instruments like Prismatic Compass and Dumpy Level.

## **GE-4: Industrial Geography**

This generic elective paper enables students of other Honours course to develop an overall idea on a branch of Geography that deals with the concept of industries in reference to the following:

- i. To introduce the concept of Industrial Geography and its scope and content.
- ii. To know the factors affecting the location of industries.
- iii. To gain knowledge on major industrial complexes of India.
- iv. To know the effect of industrialization in India.

## **SEC-2: Research Methodology (Practical)**

- i. This course helps to acquire knowledge on some basic concepts of research and its methodologies.
- ii. It demonstrates the ability to know about appropriate research methods.
- iii. It also helps to develop skills in data collection, analysis and presentation.
- iv. The students able to learn to organize a research report in an appropriate manner.

### **C-11: Regional Planning and Transport Geography**

- i. The students will be acquainted with the concept of region and different schemes of regionalization in India.
- ii. They will learn basic concepts of regional planning.
- iii. They will be introduced to the branch of Transport Geography and its scope and content.
- iv. They will also learn about methods of transport network analysis.

### **C-12: Computer Application in Geography, GIS and GPS (Practical)**

- i. This course enables students to gain practical knowledge in using Computer software program like Excel in data tabulation and representation.
- ii. Students comprehend fundamental concepts of Geographical Information System.
- iii. Develop proficiency in the GIS software in making maps.
- iv. Gather And process data using Global Positioning System.

### **DSE-1: Group A1: Urban Geography**

- i. Students understand the nature, scope and trends in Urban Geography.
- ii. Know the patterns of urbanisation with reference to India.
- iii. Develop concept of urban morphology, and functional classification of urban settlements.
- iv. Throw light on contemporary urban issues.

## **DSE-1: Group A2: Population Geography**

By the end of this course, the students will:

- i. Develop the nature, scope and content of Population Geography.
- ii. Understand population dynamics.
- iii. Know about demographic attributes.
- iv. Gain knowledge of different theories associated with development and growth of population.

## **DSE-2: Group A3: Cartography**

The learning outcomes of this course are the following:

- i. To learn the fundamental concepts of Cartography and its history of development.
- ii. To acquire knowledge of different projections and skills in drawing graticules.
- iii. To expand knowledge in methods of surveying and cartographic methods.

## **DSE-2: Group A4: Fluvial Geomorphology**

In this course the students learn the following:

- i. Understands the concept of water discharge and water flow and methods of measurement of flow and discharge.
- ii. Learns quantitative analysis of drainage basin.
- iii. Becomes familiar with the different fluvial processes and resultant topography.
- iv. Gains knowledge on characteristics of channel patterns and river profiles.



### **C-13: Regional Geography of India**

- i. This course helps in developing knowledge of physiography, climate, soil, natural vegetation, agriculture, industries, society and politics of India.
- ii. Conceptualizes the regional approaches in the study of India.
- iii. Shares knowledge on physical regions of India.

### **C-14: Field Work (Practical)**

This course enables students to better understand the subject knowledge outside classroom. The students become competent in the following:

- i. Students get exposed to different environments, culture and places and lifestyles.
- ii. It helps students in gathering information from real world and to synthesise the data.
- iii. They also become competent in analysing the gathered data in the form of a scientific report.

### **DSE-3: Group B1: Regional Planning**

- i. This course studies in detail about concept of region and regional planning.
- ii. Teaches about regionalization schemes in India.
- iii. Throws light on theories of economic growth and rural development programmes.

### **DSE-3: Group B2: Agricultural Geography**

This course introduces students the following:

- i. Terminologies associated with field and agriculture.
- ii. Determinants of agriculture and agricultural systems of the world.
- iii. Agricultural regions of India and methods of regionalization.
- iv. Agricultural revolutions and its characteristic features.

### **DSE-4: Group B3: Political Geography**

This course attempts to generate the following outcomes:

- i. To know the scope and content of Political Geography.
- ii. To develop the understanding of the concepts like state, nation, territory and sovereignty.
- iii. To be able to differentiate and identify different types of frontiers and boundaries.
- iv. To understand the voting patterns from the perspective of Geography.
- v. To gain knowledge on the politics of displacement with reference to India.

### **DSE-4: Group B4: Hydrology and Oceanography**

After completion of this course students get benefitted in the following areas:

- i. Able to define and explain fundamentals about the concept of hydrology, hydrological cycle and global water supply.
- ii. Explain characteristics of basin hydrology and measure river discharge.
- iii. Develop concepts of ocean currents and understands ocean floor topography.
- iv. Know about ocean deposits and coral reefs.