



Mankar College

Department of Geography

General Course

Geography is the study of places and the relationships between people and their environments. Geographers explore both the physical properties of Earth's surface and the human societies spread across it. They also examine how human culture interacts with the natural environment and the way those locations and places can have an impact on people. Geography seeks to understand where things are found, why they are there, and how they develop and change over time. It is the study of the diverse environments, places, and spaces of Earth's surface and their interactions. It seeks to answer the questions of why things are as they are where they are. The modern academic discipline of geography is rooted in ancient practice, concerned with the characteristics of places, in particular their natural environments and peoples, as well as the relations between the two. So, after the completion of graduation, the students will be able to:

Programme Outcomes:

PO1-To understand the scope and evolution of the diverse discipline of Geography.

PO2- Student will be able to analyze the problems of physical as well as cultural environments of both rural and urban areas. Moreover they will try to find out the possible measures to solve those problems.

PO3- Inculcating a tolerant mindset and attitude towards the vast socio-cultural diversity of India by studying and discussing contemporary concepts of social and cultural geography.

PO4- Sensitization and awareness about the hazards and disasters to which the subcontinent is vulnerable; and their management.

PO5- Training in practical techniques of mapping, cartography, software, interpretation of maps etc.; so as to understand the spatial variation of phenomena on the earth's surface and encouragement of scientific mode of thinking through field works.

PO 6- Students can have many opportunities for career in academics, civil service etc.

Programme Specific Outcomes:

PSO 1- Student will gain the knowledge of physical geography. Student will have a general understanding about the geomorphological and geotechnical process and formation. They will be able to correlate the knowledge of physical geography with the human geography.

PSO 2- Associating landforms with structure and process; establishing man-environment relationships; and exploring the place and role of Geography among other social and earth sciences.

PSE 3- Developing a sustainable approach towards the ecosystem and the biosphere with a view to conserve natural systems and maintain ecological balance.

PSE 4- Understand the adjustment of humans to the environment and trace the recent development.

PSE 5- Explore the principles of practical geography and apply those in the construction and interpretation of maps.

PSE 6- Learn about the different hazard management strategies.

Course Outcomes:

Semester-I

CC1A- Geomorphology and Cartography

Unit I- Geotectonics and Geomorphology (Theory)

CO1- Learn about types of weathering and related landforms.

CO2- Gain knowledge about internal structure of the earth on the basis of seismic evidences.

CO3- Develop an idea about concept of plate tectonics, and resultant landforms.

CO4- Acquire knowledge about different geomorphological processes and resultant landforms.

CO5- Evaluate the role of the global hydrological cycle and ground water.

Unit II- Scale and Cartography (Practical)

CO1- Develop practical skill of drawing linear and comparative scale.

CO2- Acquire knowledge and skills about cartographic representation of data.

Semester-II

CC1B- Physical Environment and Surveying

Unit-I-Climatology, Soil and Biogeography

CO1- Understand the elements of weather and climate and composition and layering of the atmosphere.

CO2- Gain knowledge about different atmospheric phenomena like temperature distribution, precipitation.

CO3- Acquire knowledge about cyclones and climatic classification.

CO4- Gain knowledge about physical and chemical properties of soil and factors of soil formation.

CO5- Introducing ecosystem and biosphere concepts.

Unit II- Surveying and Levelling (Practical)

CO1- Understand definition and classification of surveying.

CO2- Brings direct interaction of different types of surveying instruments like Plane Table, Prismatic Compass and Dumpy level.

Semester-III

CC1C- Human Geography and Map Study

Unit I- Human Geography (Theory)

CO1- Understand the nature and contemporary relevance of human geography.

CO2- Develop an idea about space, society, cultural regions and explore different aspects of culture.

CO3- Trace the trend and pattern of population growth and evaluate demographic transition theory.

CO4- Acquire knowledge about types and patterns of rural settlements and classification of urban settlements.

CO5- Develop knowledge about functional classification of towns.

Unit II- Map Projection and Map Interpretation (Theory)

CO1- Drawing of maps with the help of map projection.

CO3- Interpreting, reading, analyzing and identifying features from topographical and weather maps.

SEC1- Computer Basics and Computer Applications

CO1- Understanding of Numbering Systems.

CO2- Acquiring practical skills of application of different statistical techniques and preparation of annotated diagrams with the help of computer.

CO3- Develop an idea about internet surfing.

Semester-IV

CC1D- Environmental Geography

Unit I- Theoretical

CO1- Learn about geographers' approach to environmental studies.

CC2- Develop an idea about human-environment relationships.

CC3- Build an idea about structure and functions of ecosystem.

CC4- Assess the significance of environmental problems and management.

CC5- Know about environmental programmes and policies.

Unit II- Practical

CO1- Develop skills regarding preparation of questionnaire for air pollution and health perception survey.

CO2- Acquire practical knowledge regarding quality assessment of soil using field kit.

CO3- Learn about mapping of wetlands and forest from topographical sheet.

SEC2- GIS Based Project Report

CO1- Preparation of a GIS based project report on the basis of a field work, taking into account different cartographic and statistical techniques.

Semester-V

DSE1A- Geography of India

Unit I- Geography of India

CO1- Understanding of landforms, drainage and climate of India.

CO2- Trace the trend and pattern of population growth of India since independence.

CO3- Develop an idea about the economic resources of India.

CO4- Understand the regional entities of Sundarban and Marusthali.

Unit II- Field Work

CO1- Conducting field excursion and preparation of field report based on primary and secondary data for either a rural area or an urban area.

SEC3- Field Techniques and Survey Based Project Report

CO1- Learn the significance of field work in geography.

CO2- Have expertise in the identification of the area of study, aims and objectives, methodology, quantitative and qualitative analysis and conclusions to be drawn about the area- fundamental to geographical field work

CO3- Understand different types of field techniques and tools.

CO4- Ability to design the field report

CO5- Conducting field work and preparation of field report based on primary and secondary data.

Semester-VI

DSE1B- Disaster Management

Unit I- Disaster Management

CO1- Understand the nature and classification of hazards and disasters.

CO2- Assess risk, perception and vulnerability with respect to hazards.

CO3- Develop an idea about preparedness, trauma, resilience and capacity building as response to hazards.

CO4- Learn about the data and techniques of hazard mapping.

CO5- Acquire knowledge about causes, consequences and management of earthquake, landslide, cyclone and flood.

Unit II- Disaster Management Project Work

CO1- Preparation of an individual project report based on any one field based case study on landslide, cyclone, flood or drought.

SEC4- Collection, Mapping and Interpretation of Pedological Data.

CO1- Acquire knowledge about the soil sampling techniques.

CO2- Gain practical knowledge regarding estimation of soil nitrogen, soil p^H and organic carbon using soil kit.

CO3- Develop idea about analysis and mapping of soil p^H and organic carbon.