Mekliganj 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.