GEOGRAPHY

Course Outcome

Semester I

1. GEOMORPHOLOGY (Theory - MJC-I T)

- Understand fundamental concepts of geomorphology and the origin of Earth.
- Grasp geomorphic processes and their natural and anthropogenic influences.
- Analyze structure, stages, and types of landform evolution and geomorphic processes.

2. GEOMORPHOLOGY (Practical - MJC-I P)

- Identify various rocks and minerals.
- Interpret topographical maps using conventional signs and contour lines.

Semester II

1. CLIMATOLOGY & OCEANOGRAPHY (Theory - MJC-2 T)

- Understand atmospheric structure and composition.
- Grasp climatic classification systems and climate change.
- Understand ocean relief and physical oceanography.

2. CLIMATOLOGY & OCEANOGRAPHY (Practical - MJC-2 P)

- Interpret weather phenomena through graphs and meteorological instruments.
- Analyze spatial weather conditions.

Semester III

1. ECONOMIC GEOGRAPHY (Theory - MJC-3 T)

- Distinguish economic activity types and their spatial distribution.
- Understand location theories (Von Thünen, Weber).
- Explore trade routes, SEZs, and international trade structures.

2. CARTOGRAMS, MAP PROJECTION, AND SURVEYING (Theory - MJC-4 T)

- Understand cartographic conventions and map projections.
- Learn principles of surveying.

3. CARTOGRAMS, MAP PROJECTION, AND SURVEYING (Practical - MJC-4 P)

- Construct diagrams and projections.
- Conduct Prismatic Compass Survey and interpret maps.

Semester IV

1. HUMAN GEOGRAPHY (MJC-5 T)

- Understand human-environment interactions.
- Analyze population, races, tribes, and urban/rural settlements.

2. GEOGRAPHY OF INDIA AND BIHAR (MJC-6 T)

- Understand India’s physical, cultural, and economic geography.
- Analyze Bihar's physiography, resources, and demographics.

3. STATISTICAL METHODS IN GEOGRAPHY (Theory - MJC-7 T)

- Grasp data types, central tendency, dispersion, correlation, and regression in geography.

4. STATISTICAL METHODS IN GEOGRAPHY (Practical - MJC-7 P)

- Present and analyze statistical data using graphs and correlation methods.

Semester V

1. ENVIRONMENTAL GEOGRAPHY (MJC-8 T)

- Understand environmental concepts and ecosystems.
- Analyze pollution, degradation, natural hazards, and environmental policies.

2. CARTOGRAPHIC TECHNIQUES (Theory - MJC-9 T)

- Learn cartographic design, scale construction, and weather map interpretation.

3. CARTOGRAPHIC TECHNIQUES (Practical - MJC-9 P)

- Construct maps and projections.
- Interpret topographical and weather maps.

Semester VI

1. EVOLUTION OF GEOGRAPHICAL THOUGHT (MJC-10 T)

- Trace development of geographical thought and major contributors.
- Understand paradigms and contemporary trends.

2. RESEARCH METHODOLOGY AND FIELD WORK (MJC-11 T)

- Understand research techniques, field methods, and report writing.

3. REMOTE SENSING AND GIS (Theory - MJC-12 T)

- Grasp image processing and applications in land use/land cover analysis.

4. REMOTE SENSING AND GIS (Practical - MJC-12 P)

- Gain hands-on experience with GIS software for spatial data analysis and mapping.

Semester VII

1. REGIONAL PLANNING AND DEVELOPMENT (MJC-13 T)

- Understand regional concepts, planning models, and developmental policies.

2. RESEARCH METHODOLOGY (MJC-14 T)

- Elaborated earlier in Semester VI

3. DISASTER MANAGEMENT (Theory - MJC-15 T)

- Analyze natural and manmade disasters, their impacts, and mitigation.

4. DISASTER MANAGEMENT (Practical - MJC-15 P)

- Conduct fieldwork and prepare project reports on disaster events.

5. SOCIAL GEOGRAPHY (MJC-16 T)

- Explore social categories, welfare, inclusion/exclusion, and social planning.