

B.A.FirstYear Semester-I
Subject:Geography

PaperName:IntroductiontoGeography

CourseOutcomes:

1. Demonstratecomprehensionofkeygeographicconceptssuchaslocation,place,andregion.
2. Applygeographicmethodsandtoolstoanalyzespatialpatternsand processes.
3. Evaluatetheimpactofhumanactivitiesonthephysicalenvironmentandviceversa.
4. Criticallyassessglobalissuesfromageographicperspective,includingustainability,cultural diversity, and economic development.

**PaperName:Basic Cartography and Statistical Techniques
Practical Geography (P1)**

CourseOutcomes:

1. Demonstrateproficiencyincreatingandinterpretingmaps usingcartographicprinciples.
2. Applystatisticaltechniquestoanalyzegeographicdatasetsandidentifyspatialrelationshi
ps and trends.
3. Design effective maps that communicate spatial information clearly and
appropriately for different audiences.
Utilize field data collection methods to solve practical geographical problems and
present findings effectively

PaperName:FUNDAMENTALSOFPHYSICALGEOGRAPHY(GEOMORPHOLOGY)

CourseOutcomes:

1. Identify and describe keylandforms and geomorphic processes, demonstrating knowledge of their
formation mechanisms.
2. Applygeomorphicprinciplesandmethodstoanalyzeandinterpretlandscapefeaturesandprocesses.
3. Evaluatetheimpactofnaturalandanthropogenic factorsonlandscapeevolutionandgeomorphicchange.
4. Demonstrateproficiencyinusinggeospatialtoolsandtechniquestoinvestigateandpresentgeomorphologica
l data and findings

Titleof theCourse:SCALE &CHAINSURVEYING(Practical)

CourseOutcomes:

1. Demonstrateproficiencyinaccuratelymeasuringdistancesanddimensionsusingchainandtapesurveying
techniques.
2. Apply scale surveying principles to produce detailed maps, plans, and drawings with appropriate
accuracy and precision.
3. Evaluateandanalysesurveydatatosolvepracticalproblemsrelatedtolanddevelopment,construction,or
resource management.

Developpracticalskillsinfieldsurveying,includingequipmentsetup,datacollection,anddocumentation, adhering to
industry standards and best practices

Titleof theCourse:SKILL INDISASTERMANAGEMENT

B.A.FirstYear Semester-II

CourseOutcomes:

1. Demonstrate proficiency in applying disaster management principles to real-world scenarios.
2. Implement effective disaster preparedness plans tailored to specific hazards and vulnerabilities.
3. Evaluate and recommend improvements to disaster response strategies based on critical analysis of past incidents.
4. Collaborate efficiently with diverse stakeholders in disaster response and recovery efforts to achieve resilient outcomes.

Title of the Course: ENVIRONMENTAL STUDIES

Course Outcomes:

1. Develop a deepened sense of environmental stewardship and responsibility.
2. Cultivate ethical decision-making skills in relation to environmental issues.
3. Demonstrate a commitment to sustainable practices and resource conservation.
4. Foster empathy and respect towards diverse ecosystems and their inhabitants.

Title of the Course: CONTRIBUTION OF INDIANS IN DEVELOPMENT OF GEOGRAPHY (IKS)

Course Outcomes:

1. Demonstrate a comprehensive understanding of the significant contributions made by Indian scholars to the field of geography.
2. Appreciate the richness of indigenous geographical knowledge systems and their relevance in diverse geographic contexts.
3. Critically assess the influence of Indian perspectives on global geographical theories and practices.
4. Apply insights from Indian geographical traditions to address contemporary environmental and societal challenges.

Subject: Geography

Paper Name: FUNDAMENTALS OF GEOMORPHOLOGY (T-2)

Course Outcomes :

1. Describe and classify major landforms and geological structures.
2. Analyze geomorphological processes and their roles in shaping Earth's surface.
3. Demonstrate proficiency in interpreting topographic maps and satellite imagery.
4. Evaluate human impacts on geomorphological processes and landscape.

**Paper Name: BASIC PRACTICAL IN GEOMORPHOLOGY
Practical Geography (P-2)**

Course Outcomes:

1. Demonstrate proficiency in conducting field surveys and collecting data on geomorphological features.
2. Analyze sediment samples in the laboratory and interpret their implications for landscape evolution.
3. Interpret and create accurate topographic maps and geomorphological profiles.
4. Present findings from field investigations in a clear and organized manner, both orally and in written reports.

Title of the Course: Fundamentals of Environmental Geography (T-5)

Course Outcomes:

1. Understand the issues of Environment.
2. Learn to correlate man and environmental conditions.
3. Understand the responsibility as a citizen to conserve the environment.
4. Understand the path of sustainable development.

Paper Name: FUNDAMENTALS OF PHYSICAL GEOGRAPHY (CLIMATOLOGY)

Course Outcomes:

1. Demonstrate a comprehensive understanding of the key principles and components of the Earth's climate system.
2. Apply climatological theories and methods to analyze and interpret global and regional climate patterns.
3. Critically evaluate the implications of climate variability and change on natural environments and human societies.
4. Communicate effectively about climatological concepts, both orally and in written form, using appropriate terminology and data.

Paper Name: Plane Table & Prismatic Compass Survey (Practical)

B.A.Second Year Semester-III

Course Outcomes:

1. Perform accurate measurements and sketches using a plane table to create detailed topographic maps.
2. Utilize a prismatic compass proficiently to determine magnetic bearings and angles in field surveys.
3. Demonstrate competency in conducting traverses and plotting survey data effectively.
4. Apply knowledge of surveying techniques to solve real-world spatial measurement challenges.

Paper Name: WILDLIFE TOUR GUIDE

Course Outcomes:

1. Demonstrate proficiency in identifying local wildlife species and interpreting their behaviors and habitats to tour participants.
2. Apply ethical principles of wildlife conservation and sustainable tourism practices during wildlife tours.
3. Communicate effectively with tourists, providing engaging and informative wildlife experiences.
4. Evaluate and mitigate potential risks associated with wildlife encounters to ensure tour participant safety.

Introduction to Climatology:

Course Outcomes (COs):

1. **Understand the Basics of Climatology**
 - Define and explain the fundamental concepts of climatology, including weather, climate, and meteorological elements..
2. **Analyze Atmospheric Processes**
 - Describe the structure and composition of the atmosphere.
 - Explain the dynamics of heat transfer, atmospheric circulation, and global wind patterns.
3. **Interpret Climate Systems and Phenomena**
 - Identify and analyze the different types of climate ➤ Evaluate the factors influencing climate, including latitude, altitude, ocean currents, and land-sea interactions.
4. **Examine Climatic Variability and Change**
 - Investigate causes and consequences of climate variability and change. .
 - Analyze natural and anthropogenic factors contributing to climate change and global warming.
5. **Understand Precipitation and Hydrological Processes**
 - Explain the processes involved in the hydrological cycle, including evaporation, condensation, and precipitation.
6. **Apply Climatological Techniques and Tools**
 - Develop skills to use basic climatological instruments and interpret weather data.
 - Analyze climate data to identify trends and patterns using statistical and graphical methods.
7. **Explore Climate-Related Hazards and Mitigation Strategies**
 - Identify and assess the impact of climate-related hazards such as cyclones, droughts, and floods.
 - Propose mitigation and adaptation strategies to address climate change and its adverse effects.
8. **Understand Human Impact on Climate**
 - Evaluate the role of human activities in altering climate patterns.
 - Analyze policies and global initiatives aimed at combating climate change and promoting sustainability.
9. Understand Climatic Diagrams and Their Applications
10. Analyze Climatic Data Through Graphical Representation
11. Understand and Interpret Weather Maps
12. Gain Proficiency in Using Weather Instruments

Subject:Geography

Course Outcome (CO)**1. Understand the Fundamentals of Human Geography**

- Define and explain the scope, nature, and evolution of human geography.

2. Examine Human Settlements and Cultural Landscapes

- Understand the distribution and types of human settlements in India (rural and urban).
- Analyze the impact of physical and socio-economic factors on the development of cultural landscapes.

3. Analyze Population Distribution and Density in India

- Evaluate the impact of physiographic, climatic, and socio-economic factors on population patterns.

4. Study Population Growth and Demographic Trends

- Analyze the trends and patterns of population growth in India over different time periods.

5. Explore Population Composition and Characteristics

- Examine population characteristics such as age, sex ratio, literacy, and occupational structure.

6. Understand Migration Patterns and Their Consequences

- Identify the types, causes, and consequences of migration in India.

9. Explore Human-Environment Interactions in India

- Investigate the relationship between population, resources, and environmental sustainability.

B.A.ThirdYear Semester-V**Geography of Maharashtra****Course Outcomes (COs):****1. Understand the Physical Geography of Maharashtra**

- Identify and describe the physiographic divisions of Maharashtra, including the Western Ghats, Deccan Plateau, and Konkan Coastal Plain.

- **2. Analyze the Climatic Patterns of Maharashtra**

- Understand the spatial and temporal variations in temperature, rainfall, and humidity across different regions.

- **3. Evaluate Agricultural Practices and Land Use**

- Analyze the patterns of agricultural land use and cropping systems in Maharashtra.

4. Understand Industrial and Economic Development

- Examine the spatial distribution of industries in Maharashtra and their impact on the economy.

5. Assess Urbanization and Urban Development

➤ Study the patterns and trends of urbanization in Maharashtra, with a focus on major cities such as Mumbai, Pune, and Nagpur.

6. Analyze Population Dynamics and Demographics

➤ Assess the population distribution, growth trends, and demographic characteristics of Maharashtra

B.A.ThirdYear Semester-VI

"Geography of India"

Course Outcomes:

- **Physical Geography:** Understanding landforms, climate, soil types, and natural vegetation.
- **Human Geography:** Examining population distribution, demographic characteristics, and cultural patterns.
- **Economic Geography:** Analyzing agricultural practices, industrial development, and resource distribut.

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Students with a comprehensive understanding of both physical and human geographical phenomena. Graduates of this program can expect to achieve

Programe Outcomes:

1. **Knowledge Acquisition:** Students will gain a thorough understanding of the Earth's physical features, cultural landscapes, and the dynamic processes that shape them. This includes knowledge of various geographical disciplines and subfields.
2. **Technical Proficiency:** The program emphasizes the development of practical skills such as map-making, geospatial analysis, and field-based data collection. Students will become adept at using tools like plane table, prismatic compass, chain survey and Geographic Information Systems (GIS) and remote sensing technologies.
3. **Analytical and Research Skills:** Students will learn to analyze spatial and temporal data, conduct fieldwork, and apply statistical methods to geographical research. This fosters critical thinking and problem-solving abilities.
4. **Environmental Awareness:** The curriculum instills an understanding of environmental processes and issues, preparing students to engage in sustainable development practices and environmental management.

5. **Career Preparedness:** Graduates will be equipped for various career paths, including roles in urban planning, environmental consultancy, education, and geospatial technology industries.

These outcomes ensure that students are well-prepared to address contemporary geographical challenges and contribute effectively to their chosen professions.

Program Specific Outcomes:

Upon successful completion of this course, students will be able to:

1. Demonstrate a solid understanding of climatological principles.
2. Apply theoretical knowledge to real-world climate-related issues.
3. Analyze and interpret climate data to draw meaningful conclusions.
4. Propose sustainable solutions to mitigate the impacts of climate change.
5. Upon successful completion of this course, students will be able to:
6. Demonstrate a comprehensive understanding of human and population geography.
7. Analyze population trends and their impact on socio-economic development.
8. Assess the impact of urbanization and migration on regional development.
9. Critically evaluate policies addressing population growth and development challenges in India.