

**MORIGAON COLLEGE**  
**(AUTONOMOUS)**  
**DEPARTMENT OF GEOGRAPHY SYLLABUS**  
**FYUGP Semester - III**

**Four-Year Undergraduate Programme**

Subject:

Geography

Semester: III

Course Name: **Geography as a Spatial Science**

Course Code: GGY-CORE-(MJ/MN)-MC-0300104

Course Level: Intermediate

Part I: Theory (3 Credits, 45 classes of one-hour duration)

Part II: Practical (1 Credit, 15 classes of 2-hour duration)

**100 Marks (Theory=45 Marks, Practical =25 Marks, Internal assessment=30 Marks)**

**Course Objective:**

1. To introduce students to the fundamental concepts of geography as a spatial science.
2. To provide students with a strong foundation in spatial data analysis and visualization.
3. To enable students to understand and critically analyze the spatial dimensions of a range of geographic processes.
4. To equip students with the skills to develop and apply spatial models and technologies to solve geographic problems.

**Course outcome:**

1. Understand and explain the multidisciplinary nature of geography and its evolution
2. Grasp the concept of space, place, region and learn about spatial processes & patterns
3. Analyze different geographical approaches including systematic, regional, ideographic, and nomothetic approaches.
4. Apprehend spatial analysis in Geography through concepts of location and areal patterns
5. Recognize various scientific approaches in Geography, including inductive, deductive methods and different modes of explanations

**Part I: Theory**

**Unit I:**

Defining the field of Geography: Study of the earth as the home of man; Place of geography in relation to natural and social sciences; the changing definitions of geography and its multi-disciplinary nature.

**Unit II:**

Geography as a spatial science and spatial concepts in geography: Concept of space, place, territory, and region; Geographic space (Absolute Space and Relative Space); Spatial Processes and Patterns (only basic concept) – Spatial distribution, Spatial concentration, Spatial organization, Spatial relationship.

**Unit III:**

Basic Approaches in Geography: Systematic and Regional; Ideographic and Nomothetic; Pure and Applied.

**Unit IV:**

Spatial Analysis in Geography: Concept of location; Concept of point, line, and area patterns.

**Unit V:**

Scientific Approaches in Geography: Inductive and Deductive methods; Harvey's modes of explanations in Geography (only basic concept): Cognitive, Morphometric, Cause and effect, Temporal, Functional and System analysis.

**Part II: Practical****Unit I: Practical works (16 marks) two questions of 8 marks each**

1. Spatial analysis of crop concentration in India/ N.E India/ Assam (1 assignment)
2. Transport network analysis of North-East India/ Assam using alpha, beta and gamma indices (1 assignment)
3. Preparation of thematic maps on Population distribution of India/ North-East India/ Assam using simple dot method (2 assignments)
4. Thematic map representation to visualize the spatial distribution of population in North-East India/ Assam using multiple dot method (1 assignment)

**Unit II: Practical Note-book and Viva-voce (9 marks)**

1. Evaluation of practical Note-book (5 Marks)
2. Viva-voce (4 Marks)

**Reading List**

1. Abler, R., Adams, J. and Gould, P.P., 1971: Spatial Organization: The Geographers' View of the World, Prentice-Hall, Englewood Cliff.
2. Ackerman, E.A., et al, 1965: The Science of Geography, Washington,

D.C., National Academy of Science/ National Research Council Pub. No. 1277.

3. Adhikari, Sudeepa, 2015: Fundamentals of Geographical Thought, Orient Blackswan Pvt.Ltd., New Delhi.
4. Chorley, Richard J. and Haggett, Peter (eds), 1967: Models in Geography, Methuen, London.
5. Chorley, Richard J., 1973: Directions in Geography, Methuen, London.
6. Dikshit, R.D., 1994: The Art and Science of Geography, Prentice Hall of India, New Delhi.
7. Haggett, P., 2001: Geography: A Global Synthesis, Pearson Education, Essex, UK.
8. Hartshorne, R., 1939: The Nature of Geography, Association of American Geographers, Lancaster, Penn.
9. Hartshorne, R., 1959: Perspective on the Nature of Geography, Rand McNally, Chicago.
10. Harvey, D., 1969: Explanation in Geography, St. Martin's Press, New York, 1969.
11. Johnston, R.J. et al. (eds), 1986: The Dictionary of Human Geography, Oxford, Basil Blackwell.
12. Singh, R.L. and Singh, P.B. ( ). Elements of Practical Geography
13. Sarkar, A. ( ). Practical Geography: A Systematic Approach

Theory Credit: 3

Practical Credit: 1

No. of Required Classes:

60

No. of Contact Classes:

40

No. of Non-Contact Classes: 20

**MORIGAON COLLEGE**  
**(AUTONOMOUS)**  
**DEPARTMENT OF GEOGRAPHY SYLLABUS**  
**FYUGP Semester - III**

**Four-Year Undergraduate Programme**

Subject:

Geography

Semester: III

Course Name: **Geography of Disaster**

Course Code: GGY-CORE-(MJ)-MC-0300104

Course Level:

Intermediate

Theory (3 Credits, 45 classes of one-hour duration)

Part I: Theory (3 Credits, 45 classes of one-hour duration)

Part II: Practical (1 Credit, 15 classes of 2-hour duration)

**100 Marks (Theory=45Marks, Practical =25 Marks, Internal assessment=30Marks)**

**Course Objectives:**

1. To understand the concepts of disasters and their management.
2. To identify the different types of disasters.
3. To evaluate the impact of disasters on society and the environment.
4. To learn the various mitigation measures and techniques of disaster management.

**Course Outcome:**

1. Comprehend various definitions and classifications related to Disaster Management, along with understanding the factors affecting vulnerability.
2. Understand and apply the phases of the Disaster Management Cycle, apprehending roles within Community-Based Disaster Management.
3. Identify and assess the hazard and vulnerability profile of India, emphasizing on diverse disaster-prone areas.
4. Analyze the impact of development projects on disaster genesis and understand indigenous knowledge for disaster management.
5. Evaluate the components of disaster management policies, specifically the National Disaster Management policy and plan of India.

**Part I: Theory**

**Unit I:**

Disaster Management - Meaning and Definition; Definitions of Disaster and Hazards-

Risks, Vulnerability; Classification of Disasters–Natural and Human- induced; Geophysical, hydro-meteorological & man-made hazards and disasters, Causes, impacts of Disasters. Factors affecting Vulnerability – Economic – Political - Environmental and Social Contexts.

#### **Unit II:**

Disaster Management Cycle; Disaster Management Phases - Prevention and Preparedness – Mitigation - Response and Recovery; Community-Based Disaster Management - Roles and Responsibilities of Communities.

#### **Unit III:**

Hazard and Vulnerability Profile of India; Disaster-prone and vulnerable areas in India with emphasis on Cyclones, Earthquakes and Floods; Structural and Non-structural measures for Disaster Risk Reduction in Earthquake and flood-prone areas.

#### **Unit IV:**

Disasters and Development - Impact of Development Projects - Dams, Embankments, Land-use changes on disaster genesis, Understanding differential Impacts of disasters on people of various tribes, Classes, Gender, Age, location, and Disability. Indigenous Knowledge and Disaster Management and Prevention with Reference to the flood problem of Brahmaputra Valley.

#### **Unit V:**

Disaster management policies: Disaster management plans – components, National Disaster Management Policy and Plan of India.

### **Part II: Practical**

#### **Unit I: Practical work (16 marks) two questions of 8 marks each**

1. Mapping of major wetlands in a regional district and computation of shape and size (area) for their classification (1 assignment)
2. Drawing of a diagram of disaster management cycle with reference to some disasters (flood and earthquake) in North-East India (1 assignment)
3. Preparation of a map of Assam showing the major fault lines thereon and also plot at least 10 epicenters in last few years (1 assignment)
4. Preparation of a disaster vulnerability map of Assam / N.E India based on data of natural disasters (flood/earthquake/landslide/bank erosion) with respect to their occurrence and frequency in different areas (2 assignments)

## Unit II: Practical Note-book and Viva-voce (9 marks)

1. Evaluation of practical Note-book (5 Marks)
2. Viva-voce (4 Marks)

### Reading List

1. Abler, R., Adams, J. and Gould, P.P., 1971: Spatial Organization: The Geographers' View of the World, Prentice-Hall, Englewood Cliffs.
2. Ackerman, E.A., et al, 1965: The Science of Geography, Washington, D.C., National Academy of Science/ National Research Council Pub. No. 1277.
3. Adhikari, Sudeepta, 2015: Fundamentals of Geographical Thought, Orient Blackswan Pvt.Ltd., New Delhi.
4. Chorley, Richard J. and Haggett, Peter (eds), 1967: Models in Geography, Methuen, London.
5. Chorley, Richard J., 1973: Directions in Geography, Methuen, London.
6. Dikshit, R.D., 1994: The Art and Science of Geography, Prentice Hall of India, New Delhi.
7. Haggett, P., 2001: Geography: A Global Synthesis, Pearson Education, Essex, UK.
8. Hartshorne, R., 1939: The Nature of Geography, Association of American Geographers, Lancaster, Penn.
9. Hartshorne, R., 1959: Perspective on the Nature of Geography, Rand McNally, Chicago.
10. Harvey, D., 1969: Explanation in Geography, St. Martin's Press, New York, 1969.
11. Johnston, R.J. et al. (eds), 1986: The Dictionary of Human Geography, Oxford, Basil Blackwell.
12. Singh, R.L. and Singh, P.B. ( ). Elements of Practical Geography
13. Sarkar, A. ( ). Practical Geography: A Systematic Approach

Theory Credit: 3

Practical Credit: 1

No. of Required Classes:

60 No. of Contact

Classes: 40

No. of Non-Contact Classes: 20

**MORIGAON COLLEGE**  
**(AUTONOMOUS)**  
**DEPARTMENT OF GEOGRAPHY SYLLABUS**  
**FYUGP Semester - III**  
**Course Name: Geography of Tourism (SEC)**

Course Name: Geography of Tourism  
Course Code: SEC-GGY-MC-0300103  
Course Level: Intermediate

Part I: Theory (2 Credits, 30 classes of one-hour duration)  
Part II: Practical (1 Credit, 15 classes of two-hour duration)  
75 Marks (Theory =30  
Marks, Practical=25 Marks, Internal Assessment = 20 Marks)

**Course Objective:**

This paper introduces the students to the field of tourism from a spatial perspective. It seeks to develop new insights among students on how tourism and allied activities are shaped by the geography of an area and also how such activities are responsible for shaping economic, social, and environmental context from global to local levels.

**Course Outcome:**

1. Understand the interplay between geography and tourism, including the roles of intermediaries and suppliers.
2. Differentiate various forms of tourism like eco-tourism, cultural tourism, and adventure tourism, and understand their sustainability implications
3. Evaluate tourism attraction resources, infrastructure, and services within the context of India and Northeast India.
4. Evaluate the economic, environmental, and societal impacts of tourism and understand the nuances of national and regional tourism policies.
5. Critical analysis of the recent trends in tourist flow, exploring case studies in different geographical contexts in India.

#### Unit I:

Nature and Scope: Concept of tourism and its relationship with Geography; Role of Intermediaries and suppliers; Geographical parameters of tourism as postulated by Robinson.

#### Unit II:

Types and forms of tourism: Nature Tourism (Eco-Tourism), Cultural Tourism, Adventure Tourism, Medical Tourism, Pilgrimage; Sustainable Tourism; Meetings, Incentives, Conventions and Exhibitions (MICE) Tourism

#### Unit III:

Tourism attraction (resources), infrastructure and services: In the context of India and Northeast India

#### Unit IV:

Recent Trends of Tourist flow: International and Domestic (India); Case studies of tourism development in different geographical contexts in India: Himalayas, Desert, North-East India and Coastal Areas.

#### Unit V:

Impact of Tourism on Economy, Environment and Society; National Tourism Policy, Tourism policy of northeastern states.

### Part II: Practical (1 credit, 25 Marks, 15 Classes of two-hour duration)

Unit I: Practical Works (16 marks) (Two questions of 8 marks each)

1. Trend of growth of tourist arrivals (International and domestic) in India/ Assam using moving average method (2 Assignments)
2. Trend of tourist arrivals in the north-eastern states of India in comparison to a top-ranking tourist-arriving state of India using a bar graph. (2 Assignments)
3. Representation of the relationship among the rainfall, temperature, and tourist arrivals for any year or a specific period for any state of NE India by using the appropriate carto-statistical technique. (2 Assignments)
4. Preparation of a map of Assam to show important tourist destinations along with their road, railway and air connectivity. (2 Assignments)
5. Preparation of a tourist map of N.E. India showing the inflow of tourists (domestic and international) to major national parks and wildlife sanctuaries/ prepare a tracking map of an area of tourism interest using GPS (2 Assignments)
6. Preparation of a map of NE India showing the inflow of tourist destinations (viz. Pilgrimage, nature, historical, adventure, wildlife, ethno-cultural destinations) and describe their significance. (2 destinations)

## Unit II: Practical Note-Book and Viva-voce (9 Marks)

1. Evaluation of Practical Note-Book (5 marks)
2. Viva-voce (4 marks)

### Reading List

- 1 Bhattacharya, P. (2011): Tourism in Assam: Trend and Potentialities, Banimandia, Guwahati.
2. Dhar, P.N. (2006) International Tourism: Emerging Challenges and Future Prospects. Kanishka, New Delhi.
3. Hall, M. and Stephen, P. (2006) Geography of Tourism and Recreation -Environment, Place and Space, Routledge, London.
4. Kamra, K. K. and Chand, M. (2007) Basics of Tourism: Theory, Operation and Practice, Kanishka Publishers, Pune.34
5. Page, S. J. (2011) Tourism Management: An Introduction, Butterworth-Heinemann, USA. Chapter2.
6. Raj, R. and Nigel, D. (2007) Morpeth Religious Tourism and Pilgrimage Festivals Tourism Recreation and Kesear Ch Journal, Center for Tourism Research and Development, Lucknow
7. Singh Jagbir (2014) "Eco-Tourism" Published by - ILK. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India ([www.ikbooks.com](http://www.ikbooks.com)).
8. Market Research Division, Dept. of Tourism, Govt. of India, India Tourist Statistics (available in PDF form), New Delhi
9. UNWTO: Tourism Barometer (available in their web portal to have a fresh glimpse of global tourism statistics/ other relevant sites may also be consulted)