

## SEMESTER-VI

### BA (Hons.) Geography

#### DISCIPLINE SPECIFIC CORE COURSE – REGIONAL GEOGRAPHY OF INDIA (DSC 16)

Course title & Code	Credits	Duration (Hrs per week)			Eligibility Criteria	Prerequisite
		Lecture	Tutorial	Practical/Practice		
REGIONAL GEOGRAPHY OF INDIA	4	3	1	0	Class 12th	NIL

#### Learning Objectives:

- To introduce the regional dimensions of physiography, climate, soils and vegetation of India
- To show variations in resource base and population dynamics
- To understand the regionalization of India on the basis of different geographical parameters

#### Learning Outcomes:

- After completing this course students will be able to understand the regional diversity of India in terms of physiography, climate, resources and demography
- Students will be able to understand the basis of regionalization of India based on physiographic, economic and socio cultural factors

#### Course Outline

##### UNIT 1: Physical Setting: (9 hrs)

- Major Physiographic Divisions, Climate, Drainage Basins(Peninsular and Extra Peninsular).

##### UNIT 2: Natural Resources: (9 hrs)

- Soil, Natural Vegetation, Mineral (Iron Ore), and Renewable Energy Resources.

**UNIT 3: Population: (9 hrs)**

- Growth, Distribution and Density, Population Composition(Sex, Age and Literacy).

**UNIT 4: Economy: (9 hrs)**

- Agriculture (Rice and Wheat); Industries (Automobile industry and Information Technology), Development of diversified transport network.

**UNIT 5: Regionalisation of India: (9 hrs)**

- Physiographic (R.L. Singh), Social-cultural (Sopher)and Economic (P.Sen Gupta)

**Teaching Plan**

Unit 1: 9 hours

Unit 2: 9 hours

Unit 3: 9 hours

Unit 4: 9 hours

Unit 5: 9 hours

**Total : 45 hours**

**Essential Readings**

- Singh, R.L. (ed.) (1971) India: A Regional Geography, National Geographical Society of India, Varanasi.
- Sopher, David E. (1980) An Exploration of India: Geographical Perspectives on Society and Culture, Cornell University Press, Ithaca, New York.
- Gupta, P.Sen and Galina Sdasyuk (1967) Economic Regionalisation of India: Problems and Approaches, Census of India (1961); Monography Series – 1(8).

**Suggested Readings**

- Saroha, J and Singh, S. (2022) Geography of India, Pearson India Education Services, Noida.
- Sharma, T.C. (2013) Economic Geography of India, Rawat Publication, Jaipur.
- Majid, H. (2020) Geography of India, McGraw Hill Education (India) Private Ltd.
- Tiwari, R. C. (2019) Geography of India. Pravalika Publication, Allahabad.
- Khullar, D.R. (2020) India – A Comprehensive Geography, Kalyani Publishers, Ludhiana.
- Gopal Krishan (2017) The Vitality of India: A Regional Perspective, Rawat Publication, Jaipur.
- Singh, Gopal (2010) Geography of India, Atma Ram and Sons.

**Hindi**

- Tiwari, R. C. (2019) *Bharat ka Bhugol*, Pravalika Publication, Allahabad.
- Singh, S. and Saroha, J. (2019) *Bharat ka Bhugol*, CL Media (P) Ltd, New Delhi.
- Mamoria, C. B. and Mishra, J. P. (2021) *Bharat ka Bhugol*, Sahitya Bhawan Publication, Agra.

**DISCIPLINE SPECIFIC CORE COURSE – EVOLUTION OF GEOGRAPHICAL THOUGHT (DSC 17)**

Course title & Code	Credits	Duration (Hrs per week)			Eligibility Criteria	Prerequisite
		Lecture	Tutorial	Practical/Practice		
<b>EVOLUTION OF GEOGRAPHICAL THOUGHT</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>Class 12th</b>	<b>NIL</b>

**Learning Objectives:**

- The course aims to present an overview of the evolution of the discipline.
- The course will introduce students to the multi paradigmic nature of geography as a discipline, key debates and emergence of modern geography

**Learning Outcomes:**

- On transacting this core course the students will be able to grasp the unique disciplinary focus of Geography
- Students will be able to identify the key debates that have shaped the subject
- Students will be well acquainted with the changing paradigms in Geography and the emergence of modern geography

**Course Outline****Unit-1: Pre-Modern: Foundations of Geography: (9 hrs)**

- Greek and Roman School, Arab School, Contributions of Chinese travellers, Age of Discovery and its Impact.

**Unit 2: Paradigms in Geography: (9 hrs)**

- Definition of 'Paradigm', major paradigms in geography – Determinism, Possibilism, Areal differentiation, Spatial Organization

### **Unit-3: Key Debates and Developments in Geography: (9 hrs)**

- Geography as idiographic & Nomothetic, Systematic and Particular, General and Regional, Quantitative Revolution, Schaefer-Hartshorne Debate, impact of Darwin's theory

### **Unit-4: Theories and Models in Geography: 9 hrs)**

- Systems Approach and its relevance in Geography, concepts of place, space, environment, interconnection, scale

### **Unit -5: Emergence of Modern Geography: (9 hrs)**

- Emergence of Radical, Behavioral and Feminist Geography, Evolution of Geographical Thinking and Disciplinary Trends in Germany, France and USA, India

#### **Teaching Plan**

Unit 1: 9 hours

Unit 2: 9 hours

Unit 3: 9 hours

Unit 4: 9 hours

Unit 5: 9 hours

**Total: 45 hours**

#### **Essential Readings**

- Holt-Jenson, A. (2011), *Geography: History and Concepts: A Students Guide*, Sage.
- Couper, P. (2015). *A Student's Introduction to Geographical Thought: Theories, Philosophies, Methodologies*. SAGE Publications.
- Nayak, Anoop, and Alex Jeffrey (2013). *Geographical thought: An introduction to ideas in human geography*. Routledge, 2013.

#### **Suggested Readings**

- Cresswell, Tim. (2013). *Geographic thought : a critical introduction*. Chichester, West Sussex, UK :Wiley-Blackwell
- Arentsen M.,Stam R. and Thuijs R.(2000), *Post-Modern Approaches to Space*, e-book
- Kapur, A. (2002) Indian Geography: Voice of Concern, New Delhi: Concept Publishing Company.

- Dickinson, R.E. (1969), *The Makers of Modern Geography*, Routledge & Kegan Paul, London.
- Dikshit, R.D. (1997), *Geographical Thought: A Contextual History of Ideas*, Prentice Hall of India.
- James, P.E. & G.J. Martin (1981) *All Possible Worlds: A History of Geographical Ideas*, Third Edition, John Wiley and Sons, New York.
- Johnston, R.J. (1997, 2004), *Geography and Geographers: Anglo-American Human Geography Since 1945*, 5<sup>th</sup> and 6<sup>th</sup> Ed., Edward Arnold, London.
- Peet, R. (1998), *Modern Geographical Thought*, Blackwell.
- Soja, E.W. (1997), *Postmodern Geographies: The Reassertion of Space in Critical Social Theory*, Rawat Publishers, Jaipur and New Delhi

### DISCIPLINE SPECIFIC CORE COURSE – DISASTER MANAGEMENT-BASED PROJECT REPORT (DSC 18)

Course title & Code	Credits	Duration (Hrs per week)			Eligibility Criteria	Prerequisite
		Lecture	Tutorial	Practical/Practice		
<b>DISASTER MANAGEMENT-BASED PROJECT REPORT (PRACTICAL)</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>Class 12th</b>	<b>NIL</b>

#### Learning Objectives:

- Understanding the basic concepts related to disaster management
- Detailed analysis about the different types of disasters in India
- Evaluating multiple dimensions of disaster management through field based study

#### Learning Outcomes:

- The course aims to provide an in depth understanding about types disasters occurring at different scales
- It will provide thorough understanding about human responses to different kinds of disasters
- It will give an in-depth knowledge about tracing the

disasterscapes through fieldwork

## **Course Outline**

### **Unit 1: Introduction: (6 hrs)**

- Concept of Hazard, Disaster, Risk, Vulnerability, Classification of disasters, Disaster Management Cycle, Capacity and Resilience.

### **Unit 2: Disasters and Institutional Framework in India: (8 hrs)**

- Disaster Profiles of India (Earthquake, Flood, Drought, Cyclone, Landslide, Avalanche, Fire); Disaster Management Act; Role of Government and NGOs in Disaster Management.

### **Unit 3: Community-Based Disaster Management: (8 hrs)**

- Concept and Framework; Indigenous Knowledge and Practices; Role of Civil Society.

### **Unit 4: Data Assessment and Analysis: (8 hrs)**

- IMD and Bhuvan Portal-Demonstration; Multi- Criteria Decision Making: Concept and Method.

### **Unit 5: Project Report: (60 hrs)**

Project work to be based on any one of three of the following topics of student's choice. (1) The first should be a field-based case study of any particular disaster and the (2) second should be local/college-based term paper. (3) third should be preparation of earthquake/landslide/flood/forest fire or any other hazard susceptibility map of any area

## **Teaching Plan**

Unit 1: 6 hours

Unit 2: 8 hours

Unit 3: 8 hours

Unit 4: 8 hours

Unit 5: 60 hours

**Total: 90 hours**

## Essential Readings

- Srivastava, P. K., Singh, S. K., Mohanty, U. C., & Murty, T. (2020). *Techniques for Disaster Risk Management and Mitigation. Techniques for Disaster Risk Management and Mitigation* (pp. 1–328). wiley.
- Government of India. (2011). *Disaster Management in India*. Delhi, India: Ministry of Home Affairs.
- Kapur, A. (2010). *Vulnerable India: A Geographical Study of Disasters*. Delhi, India:Sage Publication.

## Suggested Readings

- Taherdoost, H.; Madanchian, M. (2023) Multi-Criteria Decision Making (MCDM) Methods and Concepts. *Encyclopedia* 3,: 77–87. <https://doi.org/10.3390/encyclopedia3010006>
- Mishra, P.K.; Tripathi, S.; Abdelrahman, K.; Tiwari, A.; Fnais, M.S. (2023) Integrated Flood Hazard Vulnerability Modeling of Neluwa (Sri Lanka) Using Analytical Hierarchy Process and Geospatial Techniques. *Water* 15, 1212. <https://doi.org/10.3390/w15061212>
- Pathak, G. K. (2021) *Apda Prabandhan* (Hindi), Rajesh Publications, New Delhi.
- Pandey, R.K. (2020). *Disaster Management in India*. Sage Text, India
- Government of India. (2008). *Vulnerability Atlas of India*. New Delhi, India: Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- Ram kumar, M. (2009). *Geological Hazards: Causes, Consequences and Methods of Containment*. New Delhi, India: New India Publishing Agency.
- Singh, S. (2014) *Apda Prabandhan* (Hindi), Pwalika Publications, Allahabad.
- Modh, S. (2010). *Managing Natural Disaster: Hydrological, Marine and Geological Disasters*. Delhi, India: Macmillan.
- Bhuvan Portal: Disaster Management Support Services - <https://bhuvan-app1.nrsc.gov.in/bhuvandisaster/#forestfire>
- IMD:[https://mausam.imd.gov.in/imd\\_latest/contents/stationwise-nowcast-warning.php#](https://mausam.imd.gov.in/imd_latest/contents/stationwise-nowcast-warning.php#)
- Singh, J. (2007) *Disaster Management*, I.K.International Publishing House, New Delhi.