

Semester IV

PAPER NO- 8: ENVIRONMENTAL GEOGRAPHY

Course Objectives

The student will be introduced to the concepts and approaches of environmental geography. Apart from the structure and functions of ecosystem, the course also addresses human-environment relationships, environmental problems as well as environmental programmes and policies in developed and developing countries. Human-environment interactions and relationships with basic understanding of various environmental problems will be taught in the paper.

1. Environmental Geography

1.1 Concepts and Approaches

1.2 Ecosystem – Concept and Structure

1.3 Ecosystem Functions

- Odum, E. P. et al. (2005) Fundamentals of Ecology, Cengage Learning India. Chapter 2 and 3
- Singh S. (1997) Environmental Geography, Prayag Pustak Bhawan. Allahabad. Chapter 1

2. Human-Environment Relationships

2.1 Historical Progression

2.2 Equatorial Regions

2.3 Desert Region

- Moran, E. F. (2011) Environmental Social Science: Human Environment Interactions and Sustainability, John Wiley and Sons, Sussex. Chapter 1 and 2
- Moran, E. F. (2008) Human Adaptability: An Introduction to Ecological Anthropology, Westview Press, Philadelphia. Pages 189-213

3. Environmental Problems

3.1 Air Pollution

3.2 Biodiversity Loss

3.3 Solid Waste

- Kumar, B. and Singh, R.B. (2003) Urban Development and Anthropogenic Climate Change, Manak Publishers, New Delhi. Chapter 2
- Singh, R.B. and Mal, S. (2009) Environmental Change and Biodiversity, Rawat Publishers, Jaipur. Chapter 1
- Anand, S. (2010) Solid Waste Management, Mittal Publications, Delhi. Chapter 1

4. Environmental Programmes and Policies

4.1 Developed Countries

4.2 Developing Countries

4.3 New Environmental Policy of India

- Essleston C.H. and March, M. (2011) Global Environmental Policy: Concepts, Principals and Practice, CRC Press, Taylor and Francis Group. USA. Chapter 3 and 4
- MoEF (2006) National Environmental Policy-2006, Ministry of Environment and Forests, Government of India.

Further Readings

- Casper J.K. (2010) Changing Ecosystems: Effects of Global Warming. Infobase Pub. New York.
- Hudson, T. (2011) Living with Earth: An Introduction to Environmental Geology, PHI Learning Private Limited, New Delhi.
- Miller, G.T. (2007) Living in the Environment: Principles, Connections, and Solutions, Brooks/ Cole Cengage Learning, Belmont.
- Singh, R.B. (1993) Environmental Geography, Heritage Publishers, New Delhi.
- UNEP (2007) Global Environment Outlook: GEO4: Environment For Development, United Nations Environment Programme. University Press, Cambridge.
- Wright R. T. and Boorse, D. F. (2010) Toward a Sustainable Future, PHI Learning Pvt Ltd, New Delhi.