

ALLIED COURSE PAPER - I

ENVIRONMENTAL GEOGRAPHY

Course Objectives

The course focuses on environment, ecology, ecosystem and human-environment interactions. It also covers current environmental issues, hazards and management strategies including sustainable ecodevelopment, environmental impact assessment and education.

1. Environment and Ecology

1.1 Concepts of Environment and Ecology

1.2 Human-Environment Interaction

1.3 Historical Progression

- Singh, S. (1997) Environmental Geography, Prayag Pustak Bhawan. Allahabad. Chapter 1
- Moran, E. F. (2011) Environmental Social Science: Human Environment Interactions and Sustainability, John Wiley and Sons, W Sussex. Chapter 1
- Simmons, I. G. (2008) Global Environmental History, 10,000 BC to AD 2000, Edinburg University Press, Edinburg. Chapter 2 and 5

2. Ecosystem

2.1 Concepts

2.2 Structure and Function

2.3 Ecological Imbalance

- Odum, E. P. et al, (2005) Fundamentals of Ecology, Cengage Learning India. Chapter 2
- Miller, G.T. (2007) Living in the Environment: Principles, Connections, and Solutions, Brooks/ Cole Cengage Learning, Belmont. Chapter 4
- Cunningham, W.P. and Saigo, B.W. (1999) Environmental Science, WCB McGraw-Hill, Boston. Chapter 5

3. Environmental Issues

3.1 Habitat Destruction

3.2 Pollution and Toxicity

3.3 Environmental Hazards

- Haris, F. (Ed) (2004) Global Environmental Issues, John Wiley and Sons, W Sussex. Chapter 7 and 9
- Kemp, D. D. (2004) Exploring Environmental Issues: An Integrated Approach, Routledge, London. Chapter 9
- Wright, R. T. and Boorse D. F. (2010) Toward a Sustainable Future, PHI Learning Pvt Ltd, New Delhi. Chapter 17

4. Environmental Management

4.1 Sustainability and Eco development

4.2 Environmental Impact Assessment (EIA)

4.3 Environmental Education

- Asolekar S. R. and Gopichandran R. (2005) Preventive Environmental Management: An Indian Perspective, Centre for Environmental Education, Ahmedabad. Chapter 11 and 14
- Singh J. S., Singh S. P. and Gupta S. R. (2010) Ecology, Environment and Resource Conservation, Anamaya Publication, New Delhi. Chapter 4

- Himiyama, Y., Singh, R.B., Kanda, F. and Hindson, J. (ed) (2010) Glocal Environmental Education, Rawat Publication, Jaipur. Chapter 5

Further Readings

- Singh, S. (2001) Paryavaran Bhugol, Prayag Pustak Bhawan, Allahabad.
- Singh, R.B. (1990) Environmental Geography, Heritage Publications, New Delhi.
- Smith, M., Whilelegg J. and Williams N. (1998) Greening the Built Environment, Earthscan, London.