

Semester 7th

Minor Course

Subject: Geography

Course Title: Environmental Geography

Course Code: GGYC1725N

Credits: 6 (4Th + 2 Tu)

Contact Hours (64 Th + 32 Tu)

UNIT - I

Environmental Geography: Concept and Scope
Human-Environment Relationships – Historical Progression, Adaptation in different Biomes.
Ecology: Concept and Scope
Ecological Concepts and Principles

UNIT - II

Ecosystem: Concept, Structure and Functions
Trophic Levels, Food Chain and Food Web
Ecological Pyramids and Energy Flow in an Ecosystem
Ecosystem Metabolism and Processes (Photosynthesis and Respiration)

UNIT – III

Terrestrial Ecosystems: Forest and Grassland
Stability and Un-stability of Ecosystems
Biogeochemical Cycles (Nitrogen, Carbon, Phosphorus)
Biodiversity: Threats and Conservation

UNIT – IV

Concept of Sustainable Development
Environmental Impact Assessment (EIA)
Management of Natural Resources- Water, Forests.
Ramsar Convention on wetlands

TUTORIAL

Unit-I

Global Warming and Climate Change
Water and Air Pollution
Land Degradation
Solid Waste

Unit-II

Convention on Biological Diversity (CBD)
United Nations Framework Convention on Climate Change (UNFCCC)
Montreal Protocol and Kyoto protocol
Glasgow Climate Pact (COP 26)

SUGGESTED READINGS

1. Chandna R. C., 2002: Environmental Geography, Kalyani, Ludhiana.
2. Cunningham W. P. and Cunningham M. A., 2004: Principals of Environmental Science: Inquiry and Applications, Tata Macgraw Hill, New Delhi.
3. Goudie A., 2001: The Nature of the Environment, Blackwell, Oxford.

BACHELORS WITH GEOGRAPHY AS MINOR (7th SEMESTER)

4. Singh, R.B. (Eds.) (2009) Biogeography and Biodiversity. Rawat Publication, Jaipur
5. Miller G. T., 2004: Environmental Science: Working with the Earth, Thomson Brooks Cole, Singapore.
6. Odum, E. P. et al, 2005: Fundamentals of Ecology, Cengage Learning India.