

**POST GRADUATE DIPLOMA IN
ENVIRONMENTAL AND
SUSTAINABLE DEVELOPMENT
(PGDESD)**

Term-End Examination

December, 2025

**MED-006 : NATURAL RESOURCE
MANAGEMENT : PHYSICAL AND BIOTIC**

Time : 2 Hours

Maximum Marks : 50

Note : (i) Attempt any **five** questions.

(ii) Each question carries 10 marks.

1. (a) Explain the importance of forests and discuss the distribution of forest resources in India. 5
- (b) Describe any *five* challenges in managing wetland ecosystems in India. 5

2. (a) What are the different horizons of soil ?
Discuss their main features. 5
- (b) Discuss the advantages and disadvantages of using biomass as a renewable energy source. 5
3. (a) Explain the rock cycle and its role in the formation of various types of minerals. Also name the *three* types of rocks. 5
- (b) Briefly explain deforestation. How has deforestation affected the environment ? 5
4. (a) Differentiate between taxonomic diversity and taxonomic uniqueness. 5
- (b) Name the factors responsible for the formation of a biome. Discuss how precipitation influences the classification for a region as a desert, grassland or forest. 5

5. (a) What is meant by 'bequest value' and 'existence value' in the context of biodiversity ? Discuss their significance. 5
- (b) List various ecosystem services provided by biodiversity. 5
6. (a) How does habitat destruction contribute to species extinction ? Explain. 5
- (b) What are protected areas in biodiversity conservation ? Name their different types. 5
7. (a) Define EIA. What are the primary purposes of conducting an Environmental Impact Assessment (EIA) ? 5
- (b) List any *five* objectives of the Convention on Biological Diversity (CBD). 5

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