

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

Term-End Examination

June, 2026

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

Time : 2 Hours

Maximum Marks : 50

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

(ii) Each question carries equal marks.

1. (a) Name the different types of soils and explain their important features. 5
- (b) Discuss the significance of mineral resources in modern technological civilization. Give any *two* examples each of metallic and non-metallic minerals. 5

2. (a) Discuss the concepts of overexploitation and environmental degradation. 5
(b) Explain the concept of species diversity. Name its different categories. 5
3. (a) Discuss the zonation in freshwater lake biomes giving a suitable diagram. 5
(b) What are the main categories into which the value of biodiversity is divided ? Make a flow chart. 5
4. (a) Describe giving suitable examples the role of biodiversity in the development of medicines and drugs. 5
(b) What are threatened species as established by the IUCN ? Define its *four* categories. 5
5. (a) Explain the habitat based approach to conserving biodiversity. Give the advantages and drawbacks of this approach. 5
(b) Describe the steps involved in a Biodiversity Impact Assessment (BIA). 5
6. (a) What are GM crops ? Give examples and the issues related to GM crops. 5

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- (b) What are buffer zones ? Give their significance in biodiversity conservation outside protected areas. 5
7. (a) Discuss the significance of Indian major river systems in terms of their geographical distributions giving suitable examples. 5
- (b) Define a biome and an ecotone. Name *three* plant life forms adapted to the desert environment. 5

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