

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

Term-End Examination

June, 2021

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

Time : 2 hours

Maximum Marks : 50

Note : Answer any **five** questions. Each question carries
10 marks.

Attempt all parts.

1. (a) What is non-use value of biodiversity ?
Briefly explain its various types. 5
- (b) Describe the main categories of methods
deployed for controlling over-abundant
population of a species in about 250 words. 5
2. (a) List the advantages of solar energy. How
can it be harnessed ? 5
- (b) Draw a labelled diagram of soil profile and
briefly explain various horizons. 5

- 3. (a)** What are Genetically Modified organisms ? Give the advantages of GM plants and some suitable examples. 5
- (b) What are Biodiversity “Hotspots” ? Describe the criteria of identifying biodiversity hotspots in 200 words. 5
- 4. (a)** What are Threatened Species ? Briefly explain their four categories. 5
- (b) How can energy be conserved in transportation sector ? List any five ways. 5
- 5. (a)** Briefly explain various methods for measuring genetic diversity. Give your answer in about 250 words. 5
- (b) Describe the main characteristics of biosphere reserves. 5
- 6. (a)** Explain Wetlands and Mangroves giving their importance. 5
- (b) List various services provided by forest ecosystems. 5
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