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MED-006

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

Term-End Examination

June, 2023

**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) Discuss the distribution of various water resources on earth. Explain the importance of water as a natural resource. 5

- (b) What is Soil Profile ? Describe its various horizons in **200** words. 5

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2. (a) Discuss non-renewable and renewable energy resources giving suitable examples. List any *four* renewable energy resources. 5
- (b) Discuss the reasons of overexploitation of natural resources. 5
3. (a) What is Shannon-Wiener index ? Explain its importance with reference to measuring species diversity. 5
- (b) Define biodiversity hotspots. Discuss the criteria for their identification. 5
4. (a) List any *five* activities leading to habitat destruction which cause biodiversity loss. 5
- (b) List *five* goods and services provided by coastal ecosystems. 5
5. (a) Describe the species based approach of conserving biodiversity. Also state its disadvantages. 5

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- (b) What are the management plans for protected areas for biodiversity conservation ? Discuss their importance. 5
6. (a) Discuss Wildlife Protection Act and its importance. 5
- (b) Classify biodiversity values according to their use. Briefly explain consumptive and productive use values of biodiversity. 5