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MED-006

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

Term-End Examination, 2019

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

Time : 2 Hours

Maximum Marks : 50

Note : Attempt any five questions. Each question carries 10 marks.

1. (a) Describe the various type of fossil fuels and elaborate the process of coal formation. [4]
 - (b) What are the causes of biodiversity loss ? List **any six** causes. [3]
 - (c) What is a rock cycle ? Describe the main features of different types of rock formed in the rock cycle. [3]
2. (a) State **any six** strategies for the conservation of natural resources. [3]



- (b) Compare and contrast between in-situ and ex-situ methods of conservation. Give suitable examples. [4]
- (c) Briefly explain three major types of coral reefs. [3]
3. (a) What is soil profile ? Describe the characteristic features of different horizons of a typical soil profile. [5]
- (b) Explain direct and indirect use value of biodiversity giving suitable examples. [5]
4. (a) Explain the concept of buffer zone. [2]
- (b) Briefly describe the salient features of Environment Impact Assessment (EIA). [3]
- (c) What is a resource ? Differentiate between renewable and non-renewable resources with suitable examples. [5]
5. (a) What is meant by the following : [4]
- (i) Point richness
- (ii) Alpha richness

- (iii) Beta richness
- (iv) Gamma richness
- (b) Name the main air pollutants and give their sources. [3]
- (c) Discuss the role of seed banks in the conservation of genetic diversity. Mention the challenges involved in using this technique. [3]

6. Write short notes on **any four** of the following : [4×2½=10]

- (a) CITES
- (b) Intellectual Property Rights
- (c) Ecotone
- (d) Bio-insecticide
- (e) Genetically Modified Organisms
- (f) Threatened Species

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