

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

00341 **Term-End Examination**  
**December, 2017**

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

*Time : 2 hours*

*Maximum Marks : 50*

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

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1. (a) What is the significance of biodiversity valuation in biodiversity conservation ?  
What are the important parameters in biodiversity valuation ? 5
  - (b) Explain the advantages of contour farming. 2
  - (c) Explain different fragile habitats. 3
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2. Explain what is meant by the following statements :
    - (a) "Forests are vital resources of the country." 5
    - (b) "Biodiversity provides us with life sustaining services." 5

3. (a) "Natural resource management has three dimensions." Elaborate this statement. 3
- (b) What is EIA ? How does it help in decision-making and sustainable development ? 4
- (c) "Fire is a management tool." Elaborate. 3
4. (a) Describe the origin of oil and natural gas. 3
- (b) What are biodiversity hot spots ? Discuss various criteria in identifying biodiversity hot spots. 4
- (c) "Biomass is a versatile fuel." Comment. 3
5. (a) Distinguish between *in-situ* and *ex-situ* conservation. 4
- (b) Discuss various water resources and the problems associated with them in context of the Indian scenario. 6
6. Write short notes on any **four** of the following : 10
- (a) Red Data Book
- (b) Effects of Deforestation on Biodiversity
- (c) Black Cotton Soil
- (d) National Bureau of Plant Genetic Resources
- (e) Aquifers
- (f) Invasive Species