

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

Term-End Examination

00378

June, 2015

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

Time : 2 hours

Maximum Marks : 50

Note : Attempt any five questions. Each question carries 10 marks. Marks are indicated against each question.

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1. (a) Describe the underlying causes of biodiversity losses in Asia. 4
- (b) Briefly describe the aims and objectives of UNESCO's "World Heritage Sites". Give the names of any two Indian World Heritage Sites. 4
- (c) Why are forests considered vital resources of a country ? 2
2. (a) Expand the following abbreviations and state one function for each : 6
- (i) NBFGR
- (ii) CBD
- (iii) LMO

- (b) Explain the following phrases : 4
- (i) Red Data Book
 - (ii) Ecotourism
3. (a) Discuss the water resources problems in India. 4
- (b) Briefly explain "Renewable Biomass as a versatile fuel". 2
- (c) Read the short paragraph given below and answer the questions that follow :
- "With increasing atmospheric levels of CO₂ due to expanding fossil fuel, managing carbon is the need of the hour, carbon sequestration is the novel way to manage carbon."
- (i) What are the reasons for increasing CO₂ levels in the atmosphere ?
 - (ii) What do you understand by carbon sequestration ?
 - (iii) Why is managing atmospheric carbon the need of the hour ?
 - (iv) Which is the most important factor leading to global climate change ? 4
4. (a) Briefly describe the salient features of tropical savanna. 4
- (b) For what purpose are biodiversity measurements required ? Discuss the various ways of measuring species diversity. 6

5. (a) What is EIA ? How does it help in decision-making ? 6
- (b) What is soil erosion ? Describe the various factors that cause soil erosion. 4
6. Write short notes on any *four* of the following : 10
- (a) Coral Reefs
 - (b) Crop Rotation
 - (c) Shelter Belts
 - (d) Ramsar Convention
 - (e) Cold Deserts
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