

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

01972

**Term-End Examination**

**December, 2014**

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

*Time : 2 hours*

*Maximum Marks : 50*

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**Note :** *Attempt any five questions. Each question carries 10 marks. The marks for each question are given against it.*

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|----|-------|--|---|
| 1. | (a)   | Describe different strategies for conserving biodiversity.                             | 7 |
|    | (b)   | How can a resource be made sustainable ?   | 3 |
| 2. | (a)   | Expand the following abbreviations and state one function or characteristic for each : | 6 |
|    | (i)   | WHO  |   |
|    | (ii)  | LDC  |   |
|    | (iii) | CFC  |   |
|    | (b)   | Explain the following phrases :  | 4 |
|    | (i)   | 'Tragedy of Commons'   |   |
|    | (ii)  | 'Green House Effect'   |   |

3. (a) What do you understand by non-extractive value of biodiversity ? Discuss and give at least two examples. 6
- (b) (i) Who administers the Forest Act ?
- (ii) In which year did the British Government for the first time enact the Forest Act ?
- (iii) Who is empowered to designate protected forests ?
- (iv) Who is authorised to approve diversion of forest land to non-forestry purposes ? 4
4. (a) Highlight the role of oceans in determining climate and life on the Earth. 4
- (b) Briefly elaborate major categories used by ecologists and biogeographers to express species richness. 6
5. (a) Distinguish between soil erosion and soil degradation. Enumerate the main causes of soil erosion. 6
- (b) (i) List the causes of biodiversity loss.
- (ii) What is the consumptive use value of biodiversity ? 4

6. Write short notes on any **four** of the following : 10

(i) Estuaries

(ii) Hotspots

(iii) Biodiversity as energy source

(iv) Biogeographic regions

(v) Bonn Convention

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