

POST GRADUATE DIPLOMA IN  
ENVIRONMENT AND SUSTAINABLE  
DEVELOPMENT (PGDESD)

Term-End Examination

June, 2012

MED-006 : NATURAL RESOURCE  
MANAGEMENT : PHYSICAL AND BIOTIC

Time : 2 hours

Maximum Marks : 50

Note : Attempt *any five* questions.

Each question carries *ten* marks.

1. (a) Suggest any *six* strategies for conservation of natural resources. 3, 7
- (b) Define Biological Diversity. Name and explain the three levels of biological diversity giving one example of each.
2. (a) Expand the following abbreviations and state *one* function for each : 6, 4
  - (i) N B P G R
  - (ii) I U C N
  - (iii) O T E C
- (b) Explain the phrases :
  - (i) 'Common property services' and
  - (ii) 'Principle of multiple use'.

3. (a) What are organic fertilisers ? State the beneficial changes that they bring about in the agricultural soil. Why are they preferred over synthetic fertilisers ? 5, 5
- (b) Read the short paragraph given below and answer questions that follow :
- “India is a megabiodiversity country. It has two hot spots and high endemic biodiversity.”
- (i) Why is India considered a megabiodiversity country ?
- (ii) What are hot spots ? Where can you locate them on the Indian map ?
- (iii) What is meant by ‘endemic biodiversity’ ?
- (iv) Name two primates , one each, exclusively found in each of the hot spots.
4. (a) With the help of an example, (of ecosystem degradation/ development), justify the need to relate economics of a country with its biodiversity. 4, 6
- (b) State in a sentence the need for legislation, national and international, regarding biodiversity. Also, write briefly about
- (i) C I T E S and
- (ii) Issues related to growing of GM crops.

5. (a) If a foreign tourist couple were to ask you to suggest places where they would see tigers and elephants, which bioreserves, one for each, would you suggest ?

Also, apprise them in writing about the setting up of elephant reserves under 'Project Elephant'.

- (b) What are 'threatened species'? Name the four categories of threatened species mentioning distinction between each.

6. Write notes on *any four* :

10

- (a) Buffer Zone
  - (b) Ramsar sites
  - (c) Rattans
  - (d) Aquifers
  - (e) Green house effect
-