

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

Term-End Examination

December, 2013

**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. Provide answers to the following :
 - (a) How can methane be obtained for fuel purposes ? 3
 - (b) What are biodiversity 'hot spots' ? On what basis are these selected as hotspots ? 3
 - (c) Justify the following statement by citing examples from its plant communities. "Wild life of Indian desert is not peculiar because of its diversity and density but for extraordinary adaptations to desert conditions." 2
 - (d) Expand the abbreviation CITES. What does it aim to do ? 2

2.
 - (a) What is meant by rock cycle ? Describe the **three** types of rocks formed in this cycle. 6
 - (b) State the **four** benefits of biodiversity. 4

3. Differentiate between the following pairs of terms : $2 \times 5 = 10$
- (a) Soil erosion and soil degradation.
 - (b) Biofuel and Biodiesel.
 - (c) Alpha richness and Beta richness of species diversity.
 - (d) Nature tourism and Ecotourism.
 - (e) In-situ conservation and Ex-situ conservation.
4. (a) How do pollution, pesticides and global climate change are responsible for biodiversity loss ? 6
- (b) Write a note on 'Red Data Book'. 4
5. (a) What is Bt Cotton ? How is it protected from the attack of boll worms ? 3
- (b) Explain the need of legislation for the conservation of biodiversity. $3+4=7$
6. Write notes on any four of the following : $2\frac{1}{2} \times 4 = 10$
- (a) Seed banks
 - (b) Indicator species
 - (c) The Taiga region
 - (d) Micro-organisms in medicines
 - (e) Wetlands
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