

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

00896

**Term-End Examination**

**June, 2014**

**MED-007 : AGRICULTURE AND ENVIRONMENT**

*Time : 2 hours*

*Maximum Marks : 50*

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

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1. (a) Define the following terms (any **two**) :  $2 \times 2 = 4$
- (i) Strip cropping
  - (ii) Biodiversity
  - (iii) Greenhouse effect
  - (iv) Composting
- (b) Expand the following abbreviations (any **three**) :  $1 \times 3 = 3$
- (i) GATT
  - (ii) INM
  - (iii) SAR
  - (iv) CBD
  - (v) TRIP
  - (vi) UPOV
- (c) How can agricultural credit and crop insurance support agriculture ? 3

2. Differentiate between the following terms :  $2 \times 5 = 10$
- (i) Integrated and Organic Farming
  - (ii) Green and Grey Water
  - (iii) Mulching and Cover Cropping
  - (iv) Agro-ecological and Ecological-economic zoning
  - (v) Saline and Sodic soil
3. (a) Outline the approaches of sustainable agriculture. 8
- (b) Name two biodiversity "hotspots". 2
4. (a) Explain problems encountered in watershed management and their possible solutions. 8
- (b) What are plantation crops ? Name an important plantation crop. 2
5. (a) What is "Operation Flood" ? Explain briefly the main features of this project. 7
- (b) What is soil erosion ? Differentiate between sheet erosion and rill erosion. 3
6. Write short notes on any *two* of the following :  $5 \times 2 = 10$
- (i) Global warming
  - (ii) Polyculture
  - (iii) Gene Banks
  - (iv) Sericulture
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