

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

**Term-End Examination**

**December, 2013**

**MED-007 : AGRICULTURE AND ENVIRONMENT**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : Attempt any five questions. All questions carry equal marks.*

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1. (a) Define the following terms : 2  
(i) Mulchine  
(ii) Sodic soil
- (b) Expand the following abbreviations : 2  
(i) ppm  
(ii) IARI  
(iii) CFCs  
(iv) IPM
- (c) List any four medicinal plants with their scientific names. 2
- (d) What do you mean by Post Harvest Technology ? 2
- (e) How does monoculture production system lead to loss of agrobiodiversity ? 2

2. Differentiate between the following terms :  $2 \times 5 = 10$
- (a) Natural ecosystem and Agroeco system.
  - (b) Chemical pesticides and Biopesticides.
  - (c) Contour and Graded bunding.
  - (d) In Situ and Ex Situ conservation.
  - (e) Renewable and non-Renewable energy sources.
3. (a) What are the parameters and goals of sustainable agriculture ? 8
- (b) Name **two** indicators of sustainability. 2
4. (a) What are the elements of integrated farming system ? 8
- (b) What is vermicomposting ? 2
5. (a) Explain briefly the "Grameen Bank Project". 4
- (b) What are transgenic plants ? Name a transgenic plant. 2
- (c) Discuss the impact of global warming on agriculture. 4
6. Write short notes on **any two** of the following :  $5 \times 2 = 10$
- (a) Green Revolution and Environment
  - (b) Ozone Hole
  - (c) Deforestation
  - (d) Apiculture
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