

01659

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

**Term-End Examination**

**June, 2013**

**MED-007 : AGRICULTURE AND ENVIRONMENT**

*Time : 2 hours*

*Maximum Marks : 50*

*Note : Attempt all questions. The marks for each question are indicated against it.*

1. Give brief answers to the following: 10
- (a) What is organic farming ? Indicate its primary goal.
  - (b) Define crop residue. Name two uses of crop residues.
  - (c) What is sustainable agriculture ? Enlist any two measures for achieving sustainability in agriculture.
  - (d) Define saline soil. Name two agricultural practices responsible for soil salinity.
  - (e) What is an ecological region ? Name any two agro-ecological regions in India.

2. Differentiate between **any two** of the following : 10
- (a) Drought escapers and drought evaders.
  - (b) Conventional farming system and Integrated farming system
  - (c) Pasteurization and sterilization of food
3. Attempt **any two** parts : 10
- (a) What is alternate agriculture ? Discuss briefly the products of honey bees and lac insect.
  - (b) What is an agro-ecosystem? Discuss four types of agro-ecosystems.
  - (c) Define IPM. Discuss in brief the cultural control methods.
4. (a) What is bio-diversity ? Name two bio-diversity hot spots in India. Briefly discuss four causes of agro-biodiversity loss. 5
- (b) Discuss the impact of climate change on agriculture. 5
5. Write short notes on **any two** of the following : 10
- (a) Environmental impacts of Green Revolution
  - (b) Transgenic plants.
  - (c) Vermicomposting