

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

**Term-End Examination**

**December, 2011**

**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) Define greenhouse effect. Give *two* sources of green housegases.
  - (b) Define agroforestry. List the various systems of agroforestry.
  - (c) What is a biopesticide ? Mention *two* types of biopesticides.
  - (d) Define composting. Name two methods of composting.
  - (e) How ozone layer depletion affects agriculture ?

2. Differentiate between *any two* of the following : 10
- (a) Natural ecosystem and agro ecosystem
  - (b) Mulching and cover cropping
  - (c) Species diversity and genetic diversity.
3. Attempt *any two* parts : 10
- (a) What is land degradation ? Discuss in brief the processes related to land degradation.
  - (b) Define IPM. Briefly explain the cultural control methods.
  - (c) Discuss negative impact of agriculture on environment.
4. (a) What is post-harvest technology ? Discuss primary causes of loss of perishable agricultural produce. 5
- (b) Define a farming system. Explain in brief the benefits of organic farming. 5
5. Write short notes on *any two* of the following : 10
- (a) Challenges and opportunities in watershed management.
  - (b) Biogas as an eco-friendly fuel
  - (c) Applications of biotechnology in agriculture.
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