

01245

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

**Term-End Examination**

**June, 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 soil. Name two agricultural practices that cause soil acidification.
  - (b) Define alternative agriculture. Name any two important components of alternative agriculture.
  - (c) What is IPM ? Mention any two goals of IPM.
  - (d) Define post-harvest technology. Name two primary causes for the loss of perishable commodities.
  - (e) What is a watershed ? Mention two objectives of watershed management.

2. Differentiate between *any two* of the following : 10
- (a) Shelter belts and windbreaks
  - (b) Agroforestry and social forestry
  - (c) Composting and Vermicomposting.
3. Attempt *any two* parts : 10
- (a) What is enhanced greenhouse effect ? Briefly discuss the overall impact of climate change on agriculture in terms of irrigation water, soil resources and livestock.
  - (b) Define a farming system. Discuss any four advantages of integrated farming systems.
  - (c) What is the difference between integrated farming and organic farming ? Which one of the two farming systems is sustainable under Indian conditions in your opinion ?
4. (a) What is land degradation ? Discuss four processes related to land degradation. 5
- (b) Describe the traditional indigenous nutrient management practices, used in agriculture. 5
5. Write short notes on *any two* of the following : 10
- (a) Benefits of communication and information technology to farming community.
  - (b) Measures for achieving sustainable agriculture.
  - (c) Strategies to mitigate drought conditions.