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

Term-End Examination

December, 2010

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 hours

Maximum Marks : 50

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

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1. Give brief answers to the following : 10
- (a) Define sustainable agriculture. Name any two means of achieving sustainability in agriculture.
 - (b) What is soil erosion ? Write two agents of soil erosion.
 - (c) What is a bio-fertilizer ? Name two bio-fertilizers.
 - (d) Write any four applications of biotechnology in agriculture.
 - (e) What is a crop residue ? Write two uses of crop residues.

2. Differentiate between any **two** of the following : 10
- (a) Drip irrigation and Sprinkler irrigation.
 - (b) Food security and Ecological security
 - (c) Drought evaders and Drought endurers.
3. Attempt any **two** parts : 10
- (a) What is an agro-ecosystem ? Discuss any four types of agro-ecosystem.
 - (b) Define agro forestry. Describe various systems of agro forestry.
 - (c) What is Integrated Pest Management (IPM) ? Discuss briefly the cultural control methods adopted in IPM.
4. (a) What is water-logged soil ? Explain four types of drainage systems to improve upon soil condition. 5
- (b) Define composting. Describe any two methods of composting. 5
5. Write short notes on any **two** of the following : 10
- (a) Role of women in agriculture and environmental protection.
 - (b) Methods of reducing loss of perishable commodities.
 - (c) Negative impact of agriculture on natural resources.
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