

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

Term-End Examination

December, 2015

00244

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 hours

Maximum Marks : 50

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

1. Give brief answers to the following :

- (a) What are transgenic plants ? Give two examples. 2
- (b) Distinguish between agri-silviculture and silvipasture systems. 2
- (c) How does soil salinity affect plant growth ? 2
- (d) What is greenhouse effect ? Name any two greenhouse gases. 2
- (e) Define watershed and list two principal factors influencing watershed operations. 2

2. How do intensive agricultural practices degrade the environment ? 10

3. (a) Discuss the impact of climate change on agriculture. 5
- (b) Define integrated farming system and describe its advantages. 5
4. (a) Define IPM. Discuss the various goals of IPM. 5
- (b) Describe any three applications of biotechnology in agriculture. 5
5. Write notes on any **two** of the following : $2 \times 5 = 10$
- (a) Status and uses of crop residues in India
- (b) Vermi composting
- (c) Biodiversity and sustainable agriculture
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