

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

01586

Term-End Examination

June, 2016

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 : 5×2=10
- (a) Define Sericulture.
 - (b) What is post-harvest technology ?
 - (c) What is sustainable agriculture ? Enlist any two parameters of sustainable agriculture.
 - (d) Define ecological security. Enlist any two factors that threaten ecological security.
 - (e) How does crop rotation help in pest and disease management ?

2. Discuss the positive and negative impacts of biotechnology on agriculture. 10
3. (a) Define Integrated Nutrient Management (INM). Enlist the important steps for the adoption of INM. 5
- (b) Define an agro-ecosystem. What are the differences between agro-ecosystem and natural ecosystem ? 5
4. (a) What is soil erosion ? Discuss the effects of continuous cropping practices on soil. 5
- (b) What is organic farming ? Explain the different steps of organic farming. 5
5. Write notes on any *two* of the following : 2×5=10
- (a) *Ex-Situ* Conservation of Agro-biological Diversity
- (b) Lac Cultivation
- (c) Microbial Biofertilizers
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