

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

Term-End Examination

00972

December, 2014

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 hours

Maximum Marks : 50

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

1. Give brief answers to the following questions : $5 \times 2 = 10$
 - (a) What is soil erosion ? How is soil erosion prevented by terracing ?
 - (b) List two objectives of EXIM policy.
 - (c) What are the important advantages of crop diversification ?
 - (d) Explain briefly silvipasture system.
 - (e) How can intensive agriculture cause loss of biodiversity ?

2. Differentiate between any *two* of the following : $2 \times 5 = 10$
 - (a) Sustainable yield index and Sustainable value index
 - (b) Strip cropping and Mixed cropping
 - (c) Renewable and Non-renewable energy sources

3. Attempt any *two* of the following : 2×5=10
- (a) Explain the structure of agro-ecosystem.
 - (b) Explain the different types of salt affected soils. How does soil salinity affect the plant growth ?
 - (c) What are biofertilizers ? Explain the different types of microbial biofertilizers.
4. (a) What is Integrated Pest Management (IPM) ? Why is biological control an important component of IPM ? 5
- (b) Discuss the applications of biotechnology in agriculture. 5
5. Write short notes on any *two* of the following : 2×5=10
- (a) Ozone hole
 - (b) Vermicomposting
 - (d) Sericulture
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