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MED-007

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

Term-End Examination

December, 2025

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 Hours

Maximum Marks : 50

Note : Answer any **five** questions. All questions carry equal marks.

1. Define the following terms : 5×2=10
 - (i) Green Revolution
 - (ii) Post-harvest Technology
 - (iii) Transgenic Plants
 - (iv) Ecological Security
 - (v) Vermicomposting

2. Differentiate between any *two* of the following pairs of terms : 2×5=10
- (i) Crop and Soil sustainability indicators
 - (ii) Surface and Subsurface drainage
 - (iii) Saline and Sodic soils
3. What is organic farming ? Discuss various techniques and practices integral to the organic farming system. 10
4. (a) Describe the ways by which soil fertility can be restored to raise crop production. 5
- (b) Why is bee-keeping practised in India ? Give an account of the main products and economics of bee-keeping. 5
5. (a) Distinguish between Solar thermal and Solar photovoltaic devices. Add a note on the advantages of each, citing various examples. 5
- (b) Discuss the various criteria based on which pesticides can be classified. 5

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6. Write short notes on any *two* of the following : 2×5=10

(a) Natural Vs. Agro-ecosystem

(b) Ozone Layer Depletion

(c) Effect of Monoculture on Agro-biodiversity

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