

No. of Printed Pages : 3

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 | |

B-1741/MED-007

P. T. O.

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

[3]

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

x x x x x