

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

Term-End Examination

June, 2026

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 Hours

Maximum Marks : 50

Note : (i) Answer any **five** questions.

(ii) All questions carry equal marks.

1. Define the following terms : 5×2=10

- (i) Enhanced greenhouse effect
- (ii) White revolution
- (iii) Sheet erosion
- (iv) Watershed management
- (v) Food security

2. Differentiate between any *two* of the following pairs of terms : 2×5=10
- (i) Contour and graded bunding
 - (ii) Species and genetic diversity
 - (iii) *In-situ* and *Ex-situ* conservation
3. (a) How do intensive agricultural practices disturb the soil structure and productivity ? 5
- (b) Describe the various ways by which sustainable agriculture can be achieved. 5
4. (a) Briefly explain the different components of integrated pest management. 5
- (b) Give an account of the socio-economic aspects of energy in rural areas. 5
5. (a) Discuss the applications of biotechnology in agricultural production. 5

- (b) Why and how is lac cultivation practiced in India ? Add a note on uses of lac. 5

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

- (a) Biotic components of an agro-ecosystem
- (b) Optimum parameters of composting
- (c) Integrated farming system

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