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MED-007

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

Term-End Examination

June, 2025

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 Hours

Maximum Marks : 50

Note : (i) Attempt *five* questions in all.

(ii) Question No. 1 is compulsory.

1. (a) Define the following terms : 2

(i) Apiculture

(ii) Surface drainage

- (b) Fill in the blanks by choosing suitable word/s given in the parentheses : 2
- (i) EXIM policy facilitates sustained growth in exports to attain a share of (one/five) percent of the global merchandise trade.
 - (ii) Cacti are (drought evader/drought endurer) plants.
- (c) Name the scientist who invented/discovered : 2
- (i) Horse drawn hoe
 - (ii) Electric battery
- (d) Differentiate between the following pairs of terms : 2+2
- (i) Contour bunding and graded bunding
 - (ii) Tile drains and mole drains
2. (a) Enumerate the similarities and differences in an agroecosystem and a natural ecosystem. How does competition affect the agroecosystem ? 5

- (b) “There is a need to integrate agriculture and biodiversity to ensure sustainable use of bioresources.” Comment. 5
3. (a) What are solar thermal devices ? Write their applications in agriculture. 5
- (b) What is Integrated Farming System (IFS) ? Write the aims and advantages of IFS. 5
4. (a) Discuss the policy measures devised to boost agricultural productivity in South Asian countries. 5
- (b) How does modern agriculture lead to nitrate pollution of groundwater ? Suggest some measures to prevent it. 5
5. (a) Define Vermicomposting. Briefly describe the process of vermicomposting. 5
- (b) Why should we need to study the dynamics of landuse ? List the biophysical factors driving the landuse dynamics. 5

6. Write short notes on any *two* of the following : 5+5

- (a) Social Forestry
- (b) Ecological Security
- (c) Conservation of Biodiversity
- (d) Parameters of Sustainable Agriculture

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