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**MED-007**

**POST GRADUATE DIPLOMA IN  
ENVIRONMENT AND SUSTAINABLE  
DEVELOPMENT**

**(PGDESD)**

**Term-End Examination**

**June, 2021**

**MED-007 : AGRICULTURE AND ENVIRONMENT**

*Time : 2 Hours*

*Maximum Marks : 50*

*Note : Attempt **five** questions in all. Question No. 1 is compulsory.*

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1. (a) Define the following terms : 2
- (i) Agro-ecosystem
- (ii) Green house effect
- (b) Expand the following abbreviations : 4
- (i) INM
- (ii) Bt
- (iii) NPV
- (iv) FYM

- (c) Differentiate between the following : 4
- (i) Drought escapers and drought evaders
- (ii) Crop rotation and multi-cropping
2. (a) What is ecological security ? Discuss the factors which threaten it. 5
- (b) State the effects of soil salinity on plant growth. 5
3. (a) Briefly describe the Hydrological cycle. 5
- (b) What is watershed management ? Explain any **four** challenges and opportunities associated with it. 5
4. (a) "Biodiversity is important for agriculture." Justify the statement with suitable examples. 5
- (b) Describe various measures to control wind erosion in plains. 5
5. (a) State the advantages of integrated farming system. 5
- (b) What are post-harvest losses ? Describe the measures for its prevention. 5

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6. Briefly describe the processes involved in any *two* of the following (250 words) :      2×5=10

(i) Vermicomposting

(ii) Integrated Pest Management (IPM)

(iii) Dry farming

(iv) Aquaculture