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

Term-End Examination

June, 2024

**MED-007 : AGRICULTURE AND
ENVIRONMENT**

Time : 2 Hours

Maximum Marks : 50

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

1. Define the following terms : $5 \times 2 = 10$
- (i) Sustainable agriculture
 - (ii) Watershed management
 - (iii) Crop rotation
 - (iv) Vermicomposting
 - (v) Insect growth regulators

2. Differentiate between any two of the following pairs of terms : $2 \times 5 = 10$
- (i) Integrated nutrient management and integrated pest management.
 - (ii) Microbial control and mechanical control.
 - (iii) Sericulture and aquaculture
3. (a) How is ozone hole formed ? Explain its impact on the plant life ? 5
- (b) Explain the steps involved in setting up a biogas plant. Write its benefits and applications. 5
4. (a) Define the post harvest technology. Discuss the role and benefits of adopting its practices. 5
- (b) Write various methods of *ex-situ* conservation of biodiversity. 5
5. (a) Describe the factors that affect the structure and function of any one agro-ecosystem. 5
- (b) Discuss the impact of deforestation on the diversity of life forms. 5

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

2×5=10

- (a) Ecological security
- (b) Methods of effective drainage
- (c) Land degradation.
