

No. of Printed Pages : 2

**MED-007**

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

**(PGDES)**

**Term-End Examination**

**June, 2022**

**MED-007 : AGRICULTURE AND ENVIRONMENT**

*Time : 2 Hours*

*Maximum Marks : 50*

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

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1. Define the following terms : 5×2=10
  - (i) Agro-ecosystem
  - (ii) Aquaculture
  - (iii) Bioenergy
  - (iv) Green house effect
  - (v) Trap cropping
  
2. Differentiate between any **two** of the following pairs of terms (**150** words each) : 2×5=10
  - (i) Biological control and chemical control
  - (ii) Land and Soil

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- (iii) Primary nutrients and Secondary nutrients
3. (a) What is Vermicomposting ? Describe its various steps. (150-200 words) 5
- (b) What is sustainable agriculture ? Discuss its various approaches. (150-200 words) 5
4. (a) Discuss the role of biotechnology in agriculture. (150 words) 5
- (b) “Deforestation is considered as one of the important reasons for the loss of biodiversity.” Explain the statement. (150-200 words) 5
5. (a) What is organic farming ? Discuss its benefits. (200 words) 5
- (b) Briefly mention the effects of climate change on agriculture. (200 words) 5
6. Write short notes on any *two* of the following (200 words each) : 2×5=10
- (a) Food Security
- (b) Soil Erosion
- (c) Social Forestry