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MED-007

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

(PGDESD)

Term-End Examination

June, 2020

MED-007 : AGRICULTURE AND ENVIRONMENT

Time : 2 Hours

Maximum Marks : 50

Note : Attempt all questions.

1. Give brief answers to the following questions :

2 each

- (a) Briefly describe the applications of biotechnology in agriculture.

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- (b) How does increased concentration of CO₂ affect crop productivity ?
- (c) How are microbial biofertilizers useful in agriculture ?
- (d) What is Integrated Pest Management ?
- (e) How do shifting cultivation and crop-rotation affect on agro-ecosystem ?

2. Distinguish between any *two* of the following pairs : 5 each

- (a) Soil erosion by water and soil erosion by wind
- (b) Food security and ecological security
- (c) Sericulture and apiculture

3. Attempt any *two* of the following parts : 5 each

- (a) Describe the impact of ozone depletion on agriculture.

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- (b) Describe the environmental effect of pesticides.
- (c) Explain the benefits of integrated farming.
4. (a) Briefly explain the recycling of animal wastes. 5
- (b) "Water is a scarce natural resource." Explain this statement. 5
5. Write short notes on any *two* of the following : 5 each
- (a) The white revolution in India
- (b) Organic farming
- (c) Climate change and agriculture