

No. of Printed Pages : 3

**MEVE-003**

**POST GRADUATE DIPLOMA IN  
ENVIRONMENT AND  
OCCUPATIONAL HEALTH  
(PGDEOH)**

**Term-End Examination  
June, 2023**

**MEVE-003 : AGRICULTURE AND  
ALLIED SECTORS**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** (i) Answer any **ten** questions.

(ii) All questions carry equal marks.

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1. Define pesticides. Give classification of pesticides based on the following : 1+9=10

- (i) Type of pest
- (ii) Mode of entry
- (iii) Mode of action
- (iv) Chemical nature

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

2×5=10

- (i) Impacts of fertilizers on environment

**P. T. O.**

- (ii) Pesticides and human health
  - (iii) Importance of Integrated nutrient management
  - (iv) Consequences of soil erosion
3. What is desertification ? Explain the causes of desertification and its impact on human health.
- 1+4+5=10
4. Discuss the impacts of invasive alien species on ecosystem, human health and economy with the help of suitable examples. 10
5. Explain the effects of livestock rearing on environment and human health. 5+5=10
6. Write short notes on any *four* of the following in context of aquaculture : 4×2.5=10
- (i) Sources of aquaculture pollutants
  - (ii) Effects of pollutant on environment
  - (iii) Effects of pollutant on human health
  - (iv) Occupational health impacts in aquaculture
  - (v) Feed practices
  - (vi) Antibiotic usage and resistance in aquaculture

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7. What are botanicals ? Describe their significance and limitations with the help of suitable case studies.  $5+5=10$
8. "Biofertilizers play a crucial role in the soil fertility management." Justify this statement with giving its types and mechanism of action.  $5+5=10$
9. State the principles of conservation agriculture. Describe the types of conservation tillage.  $5+5=10$
10. What is organic farming ? Explain the role of organic farming in improving the environmental and occupational health.  $2+4+4=10$
11. State the concept of traceability. Describe the technological innovation in traceability.  $5+5=10$
12. "Food borne diseases are widespread and growing public health concern." Justify this statement with suitable examples/case studies. 10
13. Discuss the disease transmission between human and animals and prevention and control of zoonoses.  $7+3=10$
14. State the impacts of food losses. Describe the strategies for reducing food loss and waste.  $4+6=10$

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