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MEVE–003

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

Term-End Examination

December, 2023

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

Time : 3 Hours

Maximum Marks : 100

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

(ii) *All questions carry equal marks.*

1. Describe the indiscriminate use of pesticides and fertilizers on environment and human health. 5+5
2. Explain the landuse practices which result in land degradation and desertification. 5+5

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3. Write short notes on any *two* of the following :
5×2=10
- (i) Invasion pathways of invasive species
 - (ii) Impacts of invasive species on environment
 - (iii) Types of soil erosion
 - (iv) Fertilizers in Indian agriculture
4. Discuss the role of livestock in green house gas emission and environment pollution. 10
5. What are the sources of aquaculture pollution ? Describe the occupational hazards in aquaculture. 10
6. Describe the best management practices associated with aquaculture to optimise performance and prevention of environmental impacts. 10
7. State the concept of biological pest control. Explain the parasitoids, predators and microbial agents. 5+5
8. Discuss the role of manures and biofertilizers in sustainable agriculture management with suitable examples. 5+5

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9. Explain the influence of tillage on soil properties and effects on crop growth and yields. 5+5
10. Explain the principles of organic farming. Discuss the role of organic farming in environmental and occupational health. 5+5
11. Write short notes on any *four* of the following :
 $4 \times 2 \frac{1}{2} = 10$
- (i) Consumers concern regarding traceability
 - (ii) Causes of food born illness
 - (iii) Transmission of zoonoses
 - (iv) Important zoonotic disease
 - (v) Significant botanicals
12. Explain emerging and re-emerging diseases giving suitable examples. What are the possible reasons for occurrence of such diseases ? 7+3
13. Define food waste and food loss. How can the food waste and loss be reduced ? 4+6
14. Discuss the occupational health hazards in agriculture and allied sectors. 10

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