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MEVE-003

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

Term-End Examination

June, 2020

MEVE-003 : AGRICULTURE AND ALLIED SECTOR

Time : 3 Hours

Maximum Marks : 100

*Note : (i) Attempt any six questions from Section A.
Each question carries 5 marks.*

*(ii) Attempt any seven questions from
Section B. Each question carries
10 marks.*

Section—A

5×6=30

1. Classify pesticides based on the following :

- (i) Types of pests
- (ii) Chemical nature

P. T. O.

2. What is Eutrophication ? Explain with suitable examples.
3. What are the different types of waste generated from livestock farm ? How these wastes can be used in improving soil and environmental health ?
4. Identify various occupational health hazards posed by rearing of livestock and aquaculture. Explain any *one* of them briefly.
5. What is Microbial Control ? Describe microbial control of pest with the help of bacteria, fungi and virus with the help of suitable examples.
6. What is Vermicompost ? Explain briefly, how it is made and its uses.
7. Describe the types of traceability in agriculture and food supply chain. What are various technological innovations on traceability ?
8. What are various modes of transmission of zoonoses ? Describe the role of domicialated, wild and cold-blooded animals in transmission of zoonoses.

Section—B

7×10=70

1. Describe various biophysical indicators of land degradation.
2. Discuss various methods or options to reduce the environmental, social and economical impacts of invasive alien species.
3. Write short notes on any *two* of the following :
 - (i) GHGs from livestock
 - (ii) Source and impacts of aquaculture pollutants
 - (iii) Solid and liquid manure handling
4. What are manures ? Describe bulky organic manure and concentrated organic manures with their potential benefits.
5. Write the advantages and disadvantages of conservation tillage and no tillage.
6. Differentiate between chemical farming *vs.* organic farming. Do you think organic farming helps preserving environment, if yes how ?

7. Define and classify food borne illnesses/ diseases. Identify various strategies for control of food borne illness.
8. Define food waste and food loss. Describe the impacts of food loss waste and strategies for reducing food waste.
9. What are genetically modified crops ? Describe possible benefits and risks associated with GM crops on environment and human health.