

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

Term-End Examination

December, 2021

MEVE-003 : AGRICULTURE AND ALLIED SECTOR

Time : 3 hours

Maximum Marks : 100

Note : *Answer all questions as per the instructions given
in each section.*

SECTION A

*Attempt any **six** questions. Each question carries five
marks :*

6×5=30

1. What are pesticides ? Describe harmful effects of pesticides on human health.
2. Describe the importance of fertilizer use in agriculture.
3. Identify the occupational hazards in aquaculture and their control measures.

4. Identify the occupational hazards in livestock sector and their control measures.
5. What is the scope of organic farming ? Differentiate between chemical and organic farming.
6. What are the adverse effects of green revolution ? What is the role of integrated pest management in sustainable agriculture ?
7. Write the prospects and risks associated with GM crops.
8. What do you mean by zoonosis ? Describe various routes of transmission of zoonosis.

SECTION B

Attempt any **seven** questions. Each question carries ten marks :

7×10=70

9. What is desertification ? Describe the impacts of desertification on environment and human health.
10. What are invasive alien species ? Describe the impacts of alien species on ecosystem, biodiversity, human health and livelihood of people.
11. Write short notes on the following :
 - (a) Livestock and Greenhouse Gas Emission
 - (b) Effects of Livestock Rearing on Environment Health
12. What is biological pest control ? Describe parasitoids, predators and microbial organisms as successful agents of biocontrol.
13. What are biofertilisers ? Describe various types of biofertilizers with suitable examples.
14. What is conservation agriculture ? Describe the effects of tillage on soil properties and crop growth and yields.

- 15.** Define traceability. Describe the types of traceability in agriculture and food supply chain.
- 16.** Describe causes and types of food loss and waste. Identify strategies for reducing food loss and waste.
- 17.** What do you mean by foodborne diseases ? Explain the causes and symptoms of foodborne diseases.
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