

No. of Printed Pages : 3

MEVE-003

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

Term-End Examination

December, 2022

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

Time : 3 Hours

Maximum Marks : 100

Note : *Attempt any **six** questions from Sections A.
Each question carries 5 marks. Attempt any
seven questions from Section B. Each
question carries 10 marks.*

Section—A

1. What are pesticides ? Describe the effects of pesticides on the environment. 1+4
2. Write short notes on any *two* of the following : 5
 - (a) Nitrate pollution
 - (b) Bioaccumulation
 - (c) Pesticide and human health

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3. Give an overview of land degradation. 5
4. Explain the causes of desertification and its impact on human health. 3+2
5. Describe the impact of Invasive species on : 2.5+2.5
 - (a) Ecosystem services and biodiversity
 - (b) Public health
6. Explain parasitoids, predators and microbial agents of biological control. 5
7. Briefly discuss the advantages and disadvantages of biopesticides. 5
8. Mention any *five* concentrated organic manure. Describe green manure in detail. 3+2

Section—B

1. What are phosphate solubilizing microorganisms ? Discuss how they help in increasing soil fertility. 10
2. What is conservation tillage ? Discuss its effect on crop growth and fertility. 10
3. Explain the role of organic farming in improving the environmental and occupational health. 10

[3]

4. Describe the effects of livestock rearing on environment and human health. 10
5. Identify the occupational hazards in aquaculture and methods to control them. 10
6. Describe the best management practices related to livestock and aquaculture activities. 10
7. Attempt any *two* of the following : 5×2=10
 - (a) Technological innovations in traceability
 - (b) Consumers concern of food safety
 - (c) Food borne illness
8. Describe various zoonotic diseases and their control. 10
9. Discuss the causes and prevention of food loss and waste. 10
10. Describe the possible environmental and human health risks associated with genetically modified organisms/crops. 10

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