

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

Term-End Examination

June, 2026

**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. Discuss the importance of fertilizer use in agriculture sector. How the excessive use of fertilizers affects the environment ? 5+5
2. What is land degradation ? Explain biophysical indicator and causes of land degradation. 2+4+4

3. Define invasive alien species. Describe the impacts of invasive species on environmental health. 3+7
4. Describe characteristics and composition of animal waste. Discuss impacts of livestock farming on the environment. 5+5
5. Describe solid manure handling and liquid manure handling. What are the benefits of manure separation ? 6+4
6. What are the sources of aquaculture pollutants ? Describe occupational health impacts in aquaculture. 5+5
7. Define biological pest control. Explain parasitoids, predators and microbial control in the context of biological pest control. 2+8
8. Write short notes on any *two* of the following : 5+5
 - (a) Botanicals
 - (b) Zoonotic diseases
 - (c) Conservation tillage

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9. What is organic farming ? Do you think organic farming help preserving environment ? Yes, how ? 5+5
10. Discuss the components of traceability. Describe the types of traceability in agriculture food supply chains. 5+5
11. Differentiate between food poisoning and food infection. Describe the causes of food borne illness. 5+5
12. What are biofertilizers ? Describe different types of microbial biofertilizers used in modern agriculture. 3+7
13. Describe human health and environmental health risk associated with GM crops. 10
14. Write notes on the following : 5+5
- (a) Food losses and waste
- (b) Impacts of pesticides on environment and human health

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