

## Section—A

No. of Printed Pages : 3

MEV-004

POST GRADUATE DIPLOMA IN  
ENVIRONMENTAL AND  
OCCUPATIONAL HEALTH (PGDEOH)

Term-End Examination

December, 2021

MEV-004 : ENVIRONMENTAL TOXICOLOGY

*Time : 3 Hours**Maximum Marks : 100*

**Note :** (i) Attempt any **six** questions from  
Section A.

(ii) Answer any **seven** questions from  
Section B.

(iii) All questions in Section A carry 5 marks  
each.

(iv) All questions in Section B carry  
10 marks each.

1. Define the following :
  - (a) LD50
  - (b) Tolerance
  - (c) Toxins
  - (d) Xenobiotics
  - (e) Mutagens
2. Describe various sources of toxicants.
3. Describe various types of food additives.
4. Write a short note on biomarkers.
5. What is the difference between bioaccumulation and bioconcentration ?
6. Explain the stages of health risk assessment.
7. Write short note on Neurotoxicants.
8. Write a brief note on food intoxication.

## Section—B

9. Explain the exposure classes of chemical toxicants.

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10. Explain the various types of systemic toxic effects.
11. What is the difference between endotoxins and enterotoxins. Explain with suitable examples.
12. What is Bioassay ? Describe any *two* of the bioassays in toxicological testing.
13. Describe any *five* teratogens and their mechanism of action.
14. Explain the distribution and storage of toxins in the human body.
15. Explain the detail the procarcinogens and their effects.
16. Describe the various microbial agents which can act as biological toxicants.
17. What is food intoxication and explain the classification of toxins in food.