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**MEV-004**

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

**Term-End Examination**

**June, 2023**

**MEV-004 : ENVIRONMENTAL TOXICOLOGY**

*Time : 3 Hours*

*Maximum Marks : 100*

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**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.*

**P. T. O.**

**Section—A**

Answer in about **100** words each :

1. Write a short note on Carcinogens. 5
2. Explain bio-magnification with a suitable example. 5
3. Describe skin electoxification. 5
4. Explain the basic concepts of toxicology. 5
5. Describe some man-made sources of toxicants. 5
6. Explain the utility of environmental benchmarks. 5
7. Discuss the limitations of toxicity risk assessment. 5
8. Write a short note on Neurotoxicology. 5

**Section—B**

Answer in about **200** words each :

9. Describe the various sources of teratogens and their effects. 10
10. Write short notes on the following : 5×2=10
  - (a) Genotoxicity
  - (b) Drugs of abuse as toxicants

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11. What is health risk assessment ? Describe risk benefit analysis. 10
12. Discuss bioassays in toxicological assessment. 10
13. Define eco-toxicology. Discuss immuno-toxicology. 10
14. Write short notes on the following : 5×2=10
- (a) Bioremediation
  - (b) Bio-stimulation
15. Write short notes on the following : 5×2=10
- (a) Types of mutations
  - (b) Distribution of toxins in the human body
16. Discuss the effects of water pollutants on human health.
17. Describe the various types of food additives.

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