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**MEV-004**

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

**Term-End Examination**

**December, 2023**

**MEV-004 : ENVIRONMENTAL TOXICOLOGY**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** (i) **Section A** : Answer any **six** out of eight questions. All questions carry 5 marks each.

(ii) **Section B** : Answer any **seven** out of nine questions. All questions carry 10 marks each.

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**Section—A**

**Note :** Answer in about 100 words each.

1. Describe Liver detoxification. 5
2. Discuss cosmetics as chemical toxicants. 5

**P. T. O.**

3. Write short notes on the following : 5
  - (a) Avian Flu
  - (b) Mycotoxins
4. What are endotoxins and enterotoxins ?  
Explain with suitable examples. 5
5. Explain toxic effects and chronic effects of toxic agents with suitable examples. 5
6. Discuss therapeutic drugs as teratogens. 5
7. Explain the various routes of exposure of toxicants. 5
8. Describe risk-benefit analysis with reference to toxicological risk assessment. 5

### Section—B

**Note :** Answer in about **200** words each.

9. Explain the various types of biological toxicants. 10
10. Discuss the effects of pollutants on the kidney. 10
11. Explain toxicity risk management. 10

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12. Write short notes on the following :  $5 \times 2 = 10$
- (a) Hepatotoxicity
  - (b) Detergents as chemical toxicants
13. Define mutagenesis. Discuss the various types of mutagens and their effects on human health. 10
14. Explain the mechanism of detoxification in the human system. 10
15. Describe chemical and physical carcinogens with suitable examples. 10
16. Write short notes on the following :  $5 \times 2 = 10$
- (a) Air pollutants
  - (b) Soil pollutants
17. Write short notes on the following :  $5 \times 2 = 10$
- (a) In vivo testing
  - (b) Biomarkers

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