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**MEV-004**

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

**Term-End Examination**

**December, 2025**

**MEV-004 : ENVIRONMENTAL TOXICOLOGY**

*Time : 3 Hours*

*Maximum Marks : 100*

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**Note :** (i) Attempt any **four** questions from  
Section A. Each question carries  
15 marks.

(ii) Answer any **five** questions from  
Section B. Each question carries  
8 marks.

**Section—A**

4×15=60

1. Describe various routes of exposure to the toxicants in the human body.
2. What is the mechanism of detoxification in the human body ? Explain with suitable examples.
3. What is meant by carcinogenesis ? Explain its mechanism of action.
4. Describe the effects of various pollutants on the nervous system.
5. Explain the following with a flow chart :
  - (a) Health risk assessment
  - (b) Risk benefit analysis

**Section—B**

5×8=40

6. Write a short note on “Drugs of abuse as toxicants”.
7. Discuss briefly the following :
  - (a) LD<sub>50</sub>
  - (b) Toxicosis
  - (c) Ecotoxicology

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8. Describe the various microbial agents which can act as biological toxicants.
9. Write short notes on the following :
  - (a) Bioventilation
  - (b) Demyelination
10. How does cosmetics affect the environment ?  
Explain with suitable examples.
11. Explain the distribution and storage of toxins in the human body.

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