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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

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.

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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) LD₅₀
 - (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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