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MEV-004

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

Term-End Examination

June, 2025

MEV-004 : ENVIRONMENTAL TOXICOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer 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. What is the role of liver in the biotransformation of toxicants ? Explain.
2. What is soil remediation ? Explain any *two* methods with suitable examples.
3. Describe the process of teratogenesis. Explain its mechanism of action.
4. What is bioassay ? Describe any *two* of the bioassays in toxicological testing.
5. Describe in detail the effects of pollutants on the reproductive system.

Section—B

5×8=40

6. Describe the mode of action of toxic substances.
7. Write a short note on the biological effects of radiation.
8. Explain the following with suitable examples :
 - (a) Bioaccumulation
 - (b) Bioconcentration

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9. What are Endotoxins and Enterotoxins ?
Differentiate these with suitable examples.
10. Write short notes on the following :
- (a) Biostimulation
 - (b) Mutagens
11. What are autoimmune diseases ? Explain.

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