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MEV-004

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

Term-End Examination

June, 2026

MEV-004 : ENVIRONMENTAL TOXICOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer any **ten** questions.

(ii) All questions carry equal marks.

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1. Define toxins and toxicants. Discuss the historical development of toxicology. 3+7
 2. Describe the various sources of toxicants. 10
 3. Explain the mode of action of toxic substances. 10

4. Write short notes on the following : $2 \times 5 = 10$
- (i) Therapeutic drugs
 - (ii) Drugs of abuse
5. Write short notes on the following : $2 \times 5 = 10$
- (i) Endotoxins
 - (ii) Enterotoxins
6. Discuss the dose response relationship with the help of a dose response curve. 10
7. Explain the different phases of detoxification. 10
8. Discuss developmental toxicology with suitable examples. 10
9. Write short notes on the following : $2 \times 5 = 10$
- (i) Carcinogens
 - (ii) Teratogens
10. Define bioremediation. Discuss the processes involved in bioremediation and its advantages. $2+5+3$

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11. Explain the differences between bioaccumulation and bio-concentration with a suitable example. $2 \times 5 = 10$

12. Write short notes on the following : $2 \times 5 = 10$

(i) Heavy metals as toxicants

(ii) Polycyclic Aromatic Hydrocarbons

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