

**POST GRADUATE DIPLOMA IN
ENVIRONMENTAL AND
OCCUPATIONAL HEALTH**

Term-End Examination

MEV-004 : Environmental Toxicology

Time : 3 Hours]

[Maximum Marks : 100

Note: Attempt any 6 questions from section A.

Attempt any 7 questions from section B.

All in section A carry 5 marks each.

All questions in section B carry 10 marks each.

Section A

Write in 100 words:

6x5=30

1. Define Toxicant, Toxins and Toxicologists. Explain the basic concepts of toxicology. 5
2. Write short notes on (a) therapeutic drugs and (b) drugs of abuse as toxicants. 5
3. Explain physical carcinogens with examples. 5
4. Describe with examples, how endocrine disruptors can be xenobiotic. 5
5. Explain the phases for detoxification metabolism. 5

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| 6. | Write short notes on Demyelination. | 5 |
| 7. | Explain the goals of toxic remediation. | 5 |
| 8. | Write short notes on volatile organic compounds and PCBs. | 5 |

Section B

Write in 200 words.

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| 1. | Describe the physiological factors that affect detoxification metabolism. | 10 |
| 2. | Describe the various route of exposure to toxicants. | 10 |
| 3. | Explain chemical carcinogenicity and the agents causing the disease. | 10 |
| 4. | Describe the sources of teratogens and their effects. | 10 |
| 5. | Describe the limitations of toxicity risk assessment. | 10 |
| 6. | Explain how toxic substances are stored in the organs in human body. | 10 |
| 7. | Explain the various toxic coater and soil pollutants. | 10 |
| 8. | Describe the purpose of bioassays and the types of bioassays. | 10 |
| 9. | Explain Genotoxicity and how can it be prevented. | 10 |