

No. of Printed Pages : 3

**MEV-004**

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

**Term-End Examination**

**December, 2022**

**MEV-004 : ENVIRONMENTAL TOXICOLOGY**

*Time : 3 Hours*

*Maximum Marks : 100*

---

**Note :** (i) **Section A** : Attempt any **six** out of eight questions. All questions carry 5 marks each.

(ii) **Section B** : Attempt any **seven** out of nine questions. All questions carry 10 marks each.

---

---

**Section—A**

1. What are the goals of toxic remediation ? Explain.

**P. T. O.**

2. Define teratogens. Describe the principles of teratology.
3. Explain bioventilation with examples.
4. Describe the *five* stages of health risk assessment.
5. What are bacterial and viral agents ? Explain with suitable examples.
6. What is detoxination ? Explain with examples.
7. Differentiate between the following :
  - (a) Environmental toxicology and Ecotoxicology
  - (b) Toxin and Poison
8. Describe briefly the various types of food additives.

### Section—B

9. Explain carcinogens and procarcinogens. Describe the mechanism of action of carcinogens.

[ 3 ]

10. Describe the limitations of toxic risk assessment.
11. Define neurotoxicology. Describe the effects of pollutants on the nervous system of human beings.
12. What is bioremediation ? Explain its process.
13. What is genotoxicity ? How can it be prevented ? Explain.
14. Describe various types of systemic toxic effects.
15. What are the major applications of biosensors ? Explain.
16. Explain the types of remediation of water.
17. Describe the following :
  - (a) Risk-benefit analysis
  - (b) Risk management

**MEV-004**