

Roll No.

Total Pages : 2

CMDQ/M-24

5608

ENVIRONMENTAL TOXICOLOGY

Paper–M-Z-403

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Explain the following in brief : 8×2=16
- (a) Acute Toxicity. (b) Poison.
(c) Classical Toxicology. (d) Mercury poisoning.
(e) Thermoplastics. (f) Food additives.
(g) Asphyxiants. (h) Teratogen.

UNIT-I

2. (a) Explain the emergence of toxicity in to the environment. 8
(b) Classification of toxicants. 8
3. Write short notes on following toxic agent. 4×4=16
- (a) Pesticides. (b) Solvents.
(c) Carcinogen. (d) Petrochemicals.

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UNIT-II

4. (a) Explain the absorption mechanism of toxicants at cellular and tissue level. 8
(b) Write note on chemical induced to Hematotoxicity. 8
5. Explain the following Hepatotoxicity : 4×4=16
- (a) Fatty Liver. (b) Cholestasis.
(c) Cirrhosis. (d) Tumors.

UNIT-III

6. (a) Write note on the toxicity of various types of Food additives. 8
(b) Explain the Toxicological effect of Organophosphorus pollutants on Ecosystem. 8
7. Define Water Pollution. Enlist major water pollutants with an account of their effects on Humans. Describe various methods to control Water pollution. 16

UNIT-IV

8. Write short notes on the following : 2×8=16
- (a) Bioremediation.
(b) Systematic toxicology.
9. Define the Genotoxicology. Write note on its effect, molecular mechanism and its prevention. 16

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