

**M. SC. (ENVIRONMENTAL SCIENCE)**

**(MSCENV)**

**Term-End Examination**

**June, 2023**

**MEV-018 : ENVIRONMENTAL HEALTH AND  
ECOTOXICOLOGY**

*Time : 3 Hours*

*Maximum Marks : 100*

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

(ii) *Each question carries equal marks.*

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1. Explain the concept of dose-response relationship. Differentiate between frequency response and cumulative response. 5+5
2. What are air-borne diseases ? Give examples of air-borne diseases caused by virus and bacteria.

8+2

**P. T. O.**

3. Define ecotoxicology. What are the principles of ecotoxicology ? Explain any *two* with examples.  
2+2+6
4. Write a note on the biochemical nature of lead and mercury.  
5+5
5. What causes emphysema in human beings ? Explain the effects of particulates on human health.  
5+5
6. State the functions of integrated disease surveillance programme.  
10
7. What is an epidemiological triad ? What are its components ?  
2+8
8. Throw light on supernatural and germ theory of disease.  
5+5
9. How are toxicants get absorbed in the human body ? What are the common sites of absorption ?  
8+2
10. Explain the causes, symptoms and treatment measures of Fluorosis.  
10

**[ 3 ]**

11. How do ecosystem characteristics and functions influence the fate and transport of toxicants in the environment ? 10
12. Write short notes on the following : 5+5
- (a) No observed effect level
  - (b) Chronic Obstructive Pulmonary Disease (COPD)