

No. of Printed Pages : 3

MEV-018

**M. Sc. (ENVIRONMENTAL SCIENCE)
(MSCENV)**

Term-End Examination

December, 2023

**MEV-018 : ENVIRONMENTAL HEALTH AND
ECO-TOXICOLOGY**

Time : 3 Hours

Maximum Marks : 100

Note : *Answer any ten questions. All questions carry equal marks.*

1. Describe the functions of Integrated Disease Surveillance Programme (IDSP). 10
2. Write a note on the non-degradable toxic substances present in the environment. 10

P. T. O.

3. Explain the process of biosorption of heavy metals. 10
4. What are vector-borne diseases ? Describe the process of pathogen transmission by vectors. 5+5
5. How do the biotic and abiotic factors on the environment affect the availability and metabolism of toxic substances in the environment ? 10
6. Define health. What are the various determinants of health ? 2+8
7. Throw light on the various techniques of environmental monitoring. 10
8. Describe the importance and objectives of environmental monitoring of toxicants. 10
9. Explain the causes and symptoms of fluorosis in human beings. 10

[3]

10. Differentiate between bioaccumulation and biomagnification. 10
11. Explain the biochemical nature and toxicity of arsenic in human body. 10
12. Define mutagens. What are physical, chemical and biological mutagens. 2+8