

Date:7-03-2022

Registration number:

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU-27**

**B.Sc. ENVIRONMENTAL SCIENCE - V SEMESTER**

**SEMESTER EXAMINATION: OCTOBER 2021**

**(Examination conducted in March 2022)**

**ES 5218 – Environmental Sanitation, Health and Safety and Environmental Toxicology**

Time- 2 ½ hrs Max Marks-70

This question paper contains 01 printed page and three parts

**Part - A**

**Answer any ten of the following 10X2 = 20**

1. List the steps involved in solid waste management.
2. List any four characteristics of hazardous wastes.
3. What are biomedical wastes?
4. Define Bagassosis. List any two of its symptoms.
5. Expand OSHA. List any two objectives of OSHA.
6. List any two stages of Life Cycle Assessment.
7. Define toxicity.
8. List any four environmental impacts of fertilizers.
9. What does bioavailability mean in toxicology?
10. Differentiate hyposensitivity and hypersensitivity.
11. What are teratogens? Give an example.
12. Define TLV and TI.

**PART - B**

**Write explanatory notes on any four of the following 4X5 = 20**

1. Classification of solid wastes
2. Three mile island episode
3. Effects of noise pollution on human beings
4. Disposal of radioactive wastes
5. Deposition of xenobiotics in organs
6. Bioassay and its types

**PART - C**

**Answer all the questions 3X10 = 30**

1. Describe the process of solid waste management in Bengaluru.

**OR**

Discuss the salient features of E- Waste Management Rules, 2016.

1. Explain occupational health hazards. Add note on their preventive measures.

**OR**

Discuss on the sources and effects of radiation on man.

1. Describe the experimental design of chronic toxicity studies.

**OR**

Describe the Teratogenic, Reproductive, Carcinogenic and Mutagenic toxic effects.