**ST JOSEPH’S UNIVERSITY, BENGALURU -27**

Registration Number:

Date & session:

**ENVIRONMENTAL SCIENCE – 6th SEMESTER**

**SEMESTER EXAMINATION: APRIL 2024**

**(Examination conducted in May / June 2024)**

**ES 6223 – SOIL POLLUTION, SOLID WASTE MANAGEMENT AND ENVIRONMENTAL IMPACT ASSESSMENT**

**(For current batch students only)**

**Time: 2 Hours Max Marks: 60**

1. **This paper contains ONE printed page and THREE parts**
2. **Draw diagrams wherever necessary**

**PART – A**

**Answer any SIX of the following 6q X2m = 12m**

1. What is role of organic matter in soil?
2. What is soil salinity?
3. List the steps involved in urban solid waste management.
4. List the negative impacts caused by micro plastics.
5. What is the significance onsite storage of solid waste?
6. Differentiate between EIA and EIS.
7. What is cost-benefit analysis?
8. Present the profile of an auditor.

 **PART – B**

**Write explanatory notes on any FOUR of the following 4q X7m = 28m**

1. Classification of solid waste (source and type)
2. Cation exchange capacity
3. Salient features of Battery Waste Management, Rules 2022
4. Basic principles of EIA
5. Role of a proponent in development activity and an EIA
6. Pre, onsite and post audit activities

**PART – C**

**Answer ALL the questions 2q X10m = 20m**

1. Discuss the sources, classification, storage, transportation and disposal of Biomedical Wastes.

**OR**

Present a case study of an effective management of e-wastes.

1. Provide a detailed account of any four methods of impact identification.

 **OR**

Discuss any two types of audit. Present a data sheet for water audit. (6+4)