**BBSUCT1004 (Environmental Sciences)**

**Question Bank:**

**Unit1: (CO1):**

1. What do you mean by internal treatment for water softening?

2. Explain the disadvantages of hard water in domestic as well as industries.

3. Make use of Zeolite process how does hardness of water can be removed? Discuss its merits and demerits.

4. Distinguish between temporary and permanent hardness. Briefly explain the draw backs of hardwater in domestic and industrial use.

5. Define the term BOD.

6. Simplify boiler feed water and briefly describe about scale, sludge, foaming, and priming problems in boiler.

7. Define the term COD.

8. Solve the scaling problem with the help of Calgon conditioning method discuss it with suitable justification.

9. Distinguish between Zeolite softener and and ion exchange process and its advantages and disadvantages.

10. Distinguish between Zeolite softener and ion exchange process and its advantages and disadvantages.

11. Identify how cation and anion exchange process used for the treatment of hard water. Mention its advantages and disadvantages.

**Unit2: (CO2) :**

1. Inspect the waste in brief. Classify the waste according to their origin and type.

2. Identify the sanitary landfill for control of domestic waste.

3. Identify the process of incineration for controlling urban waste.

4. Identify the e-waste. Is e-waste hazardous, enumerate the different source of e-waste.

5. Utilize the process of pyrolysis for controlling industrial waste.

6. Inspect the different constituents of e-waste. Why disposal of e-waste is necessary.

7. Simplify the biomedical waste. Discuss the different categories of biomedical waste and its disposal.

8. Organize the major impacts of solid waste on aquatic life.

9. Identify; how solid waste could be reduced and managed.

10. Explain the different techniques of waste disposal.

11. Illustrate the various consequences associated with solid waste.