

Uka Tarsadia University (Diwaliba Polytechnic)
Diploma in Environmental Engineering
Assignment (Industrial Water Pollution -020060503)

Unit-1 Introduction to Disposal Methods

1. Write a short note on oxygen sag curve.
2. Write a short note on cost of pollution control.
3. Explain self-purification and factors affecting self-purification.
4. Write a short note on Neutralization.
5. Explain strength of reduction. Enlist difference between criteria and standard of wastewater.
6. Enlist method for disposal of waste water.
7. Explain effluent standard and stream standard.
8. Write a standard for discharge of wastewater in a river.
9. What is Equalization?
10. Write a note on volume reduction.
11. Write standard for discharge of waste water for irrigation.
12. Enlist different parameter of waste water disposal.

Unit-2 Indian Standards for Discharge of Wastewater

1. Enlist difference between criteria and standard.
2. Explain effluent standard and stream standard.
3. Write a standard for discharge of waste water into river and sea.
4. Enlist method for disposal of waste water.
5. Why different sinks have different discharge standards?
6. Enlist methods used for volume reduction of industrial effluents

Unit-3 Quality of Waters for Industries

1. What is neutralization?
2. What is factors to consider when neutralizing waste?
3. Explain importance of Equalization
4. Explain in brief 'cost of pollution control'
5. Explain 'Equipment Modification' for strength reduction
6. Explain in brief 'Conservation of wastewater'.

Unit-4 Principles of Water Pollution Control

1. Give BIS standard for drinking water.
2. Explain quality of water for feed water and boiler water.
3. Write a note on Indian drinking water standard.
4. Explain different manufacturing process.
5. Write short note on Lime stone treatment for acidic waste.
6. List out characteristics of wastewater for 'Sugar industry'.

Unit-5 Removal of Heavy Metals and Radioactive Materials

1. Definition of heavy metal.
2. Write a treatment of removal of heavy metal.
3. Explain treatment of radiation waste.
4. Write a treatment of solid radioactive waste.
5. Write a treatment of gaseous treatment waste

Unit-6 Major Industrial Wastes

1. What is industrial waste?
2. Explain source of waste water from process.
3. Explain characteristics of waste water.
4. Write a note on textile industry.
5. Write source of dairy industry.
6. Write note on pharmaceutical industry.