R18

ANURAG Engineering College
(An Autonomous Institution)
III B.Tech II Semester Supplementary Examinations, December-2024
WASTE MANAGEMENT
(COMMON TO EEE, ME, ECE AND CSE)

Time: 3 Hours   Max. Marks: 75

Section – A (Short Answer type questions)   (25 Marks)
Answer All Questions

		Course Outcome	B.T Level	Marks
1.	Define Brewery Industry?	CO1	L1	2M
2.	What are the Quality requirements of boiler and cooling waters?	CO1	L1	3M
3.	Explain the recirculation of wastewater?	CO2	L2	2M
4.	Write a detail note on problems with lakes?	CO2	L1	3M
5.	Define Paper and Pulp.	CO3	L1	2M
6.	Explain the process of a thermal power plant?	CO3	L2	3M
7.	How many oil refineries are in India?	CO4	L1	2M
8.	What are the types of steel plants?	CO4	L1	3M
9.	List out the Effluent Disposal Methods	CO5	L2	2M
10.	What are the advantages of common Effluent Treatment Plant?	CO5	L1	3M

Section B (Essay Questions)
Answer all questions, each question carries equal marks.   (5 X 10M = 50M)

			Course Outcome	B.T Level	Marks
11.	A)	Enumerate the quality requirements of process water for textiles.	CO1	L4	10M
		OR			
	B)	Describe the theories of industrial waste water Management.	CO1	L3	10M
12.	A)	Write in brief about the methods used in industries for the recycling of the water?	CO2	L3	10M
		OR			
	B)	Briefly explain the effects of this effluent when discharges into streams and lakes	CO2	L2	10M
13.	A)	Explain briefly about treatment process of Paper and Pulp industries	CO3	L3	10M
		OR			
	B)	Briefly explain the Thermal Power Plants and Tanneries.	CO3	L3	10M
14.	A)	Explain the special characteristics, effects of liquid waste from sugar mill.	CO4	L2	10M
		OR			
	B)	Describe the origin, characteristics of pharmaceutical plant waste management.	CO4	L2	10M
15.	A)	i) What are the factors to be considered while selecting the location for Common Effluent Treatment Plants (CEPT).	CO5	L2	5M
		ii) What is the difference between Effluent Treatment Plant and common Effluent Treatment Plant?			5M
		OR			
	B)	Explain in detail about common effluent treatment plants?	CO5	L3	10M