

ANURAG Engineering College

(An Autonomous Institution)

III B.Tech II Semester Supplementary Examinations, Dec–2023/Jan-2024

WASTE MANAGEMENT

(COMMON TO EEE, MECH, ECE & 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. What is boiler water treatment?	CO1	L1	2M
2. Discuss about the food processing industry?	CO1	L2	3M
3. Which treatment methods are used for municipal and industrial waste waters?	CO2	L1	2M
4. Write a detail note on problems with lakes?	CO2	L1	3M
5. What are the methods of treatment of wastewater?	CO3	L1	2M
6. Define Paper and Pulp industries.	CO3	L2	3M
7. Explain the dairy waste?	CO4	L2	2M
8. How many oil refineries are in India?	CO4	L1	3M
9. What are the effluent disposal methods in waste management?	CO5	L2	2M
10. How many methods of disposal are there? Explain.	CO5	L1	3M

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

11. A) What is volume reduction? List and explain any four methods of the Volume reduction in industrial wastewater.	CO1	L2	10M
OR			
B) Write the overview of the boiler feed water? Explain in detail.	CO1	L2	10M
12. A) What are the advantages and disadvantages of disposal of industrial waste water discharged in to lakes?	CO2	L2	10M
OR			
B) Explain a suitable process for a waste management for a municipal administration with example	CO2	L2	10M
13. A) Briefly explain the Thermal Power Plants and Tanneries	CO3	L2	10M
OR			
B) Describe the history and traits of the textile industry.	CO3	L3	10M
14. A) Describe the origin, characteristics of pharmaceutical plant waste management	CO4	L3	10M
OR			
B) Describe the manufacturing process and design origin of liquid waste from distiller.	CO4	L3	10M
15. A) Write in brief about the common effluent treatment plant.	CO5	L2	10M
OR			
B) Briefly explain the Effluent Disposal Methods.	CO5	L2	10M