Question Paper Code: R18A41CE03

R18

ANURAG Engineering College

(An Autonomous Institution)

IV B. Tech I Semester Supplementary Examinations, April - 2024

SOLID WASTE MANAGEMENT

(CIVIL ENGINEERING)

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 the biological characteristic of solid waste?	CO1	L1	2M
2.	Discuss the factors that affect the generation of solid wastes.	CO1	L2	3M
3.	What is the process of recycling materials?	CO2	L1	2M
4.	Explain the Toxicology origin?	CO2	L2	3M
5.	What is infectious biomedical waste?	CO3	L1	2M
6.	Differentiate between hazardous and non-hazardous waste.	CO3	L1	3M
7.	Define Pollution Prevention.	CO4	L1	2M
8.	What are the management practices of waste?	CO4	L1	3M
9.	Define integrated waste management.	CO5	L1	2M
10.	What is the purpose of the site characterization process?	CO5	L1	3M

Section B (Essay Questions)

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

11. A)	Discuss about the factors influencing the generation of solid waste.	CO1	L2	10M
	OR			
B)	Explain in detail various process of collection and transportation of solid waste?	CO1	L3	10M
12. A)	Explain the solid waste proceeding technologies.	CO2	L2	10M
	OR			
B)	Describe the phases of waste degradation in a landfill?	CO2	L3	10M
13. A)	Write short notes on legal aspects of solid waste disposal	CO3	L3	10M
	OR			
B)	Illustrate in detail method of collection transportation system of biomedical waste?	CO3	L3	10M
14. A)	Compare the various thermal processes used in hazardous solid waste treatment	CO4	L3	10M
	OR			
B)	Briefly explain the factors affecting solidification and stabilization treatment selection.	CO4	L3	10M
15. A)	Briefly explain the techniques for contaminated site remediation?	CO5	L3	10M
	OR			
B)	Describe the remediation technologies for groundwater?	CO5	L3	10M