



**NAVRACHANA
UNIVERSITY**
a UGC recognized University

School: School of Engineering and Technology
Program/s: Civil Engineering, SET
Year: 3rd **Semester:** 6th
Examination: End Semester Examination
Examination year: May- 2023

Course Code: CE 405 **Course Name:** Solid Waste Management

Date: 17/05/2023
Time: 2 pm to 4.00 pm

Total Marks: 40
Total Pages: 1

Q.1	Answer the following questions (Any six)	Marks	CO	BT
1	State the importance of Electronic waste management system. Write the required steps for effective E waste management system	5	CO3	BT1 BT3
2	State the provision of Waste Management Act and proposed guidelines of C & D waste.	5	CO3 CO4	BT1 BT2
3	Explain the color coding segregation system for the biomedical waste	5	CO3	BT1 BT3
4	Explain the Hauled Container system in detail. (Figure required)	5	CO2	BT1 BT3 BT4
5	Write a design steps for setting up the composting plant from the garden and kitchen waste.	5	CO3 CO2	BT1 BT2 BT4
6	Write a note on methods of landfilling with line diagram.	5	CO2	BT1 BT3
7	What are the traditional method of plastic waste disposal? Why traditional method causes problems in plastic waste management. Give your inputs.	5	CO4	BT1 BT3
Q.2	Write a short note on following: (Any five)	10	CO4 CO2 CO1	BT1 BT2
	1. Vermicomposting			
	2. On site storage of municipal solid waste			
	3. Leachate generation and solution steps.			
	4. Advantages and disadvantages of source separation and combining waste.			
	5. Layout of routes			
	6. Rules for plastic waste reduction			