

Reg. No.:

Name :

VIT<sup>®</sup>

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

## Continuous Assessment Test -I – January 2025

Programme	: B.Tech, All Branches	Semester	: Win 2024-25
Course	: Waste Management	Code	: BCLE215L
Faculty	: Dr.V.Vasugi	Class Nbr	: CH2024250500675
Time	: 1½ Hours	Slot	: G1+TG1
		Max. Marks	: 50

Answer All Questions

Q.No.	Sub. Sec.	Question Description	Marks
1.	a. ✓	Mention your perspectives of waste generation.	2
	b. ✓	Why waste management is important?	2
	c.	Illustrate the new waste management paradigm with a suitable sketch.	2
	d. ✓	Differentiate between linear economy and circular economy.	4
2.	a.	Explain about the challenges related to solid waste management in India.	5
	b. ✓	Elaborate the recent Government initiatives to waste management	5
3.	a.	Illustrate the best practices followed in India towards waste management.	4
	b. ✓	Waste is a resource which is out of place. Justify the statement with the constructive argument.	3
	c. ✓	Mention the fundamental steps in Municipal Solid Waste Management.	3
4	a. ✓	When will you call a waste as a hazardous waste? Mention its characteristics.	3
	b. ✓	Explain the methodology named "Cradle to Grave". What is its focus?	4
	c. ✓	Elaborate the criteria for treatment and storage of Hazardous waste.	3
5	a.	Discuss about the Hazardous waste management strategy.	2
	b.	Explain in detail about any two techniques used for Hazardous waste treatment.	6
	c. ✓	Mention the criteria for disposal of hazardous waste.	2

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