

Reg. No.:

Name :



VIT

Vellore Institute of Technology

(Decreed by the University under section 3 of UCA, Act, 1956)

## Continuous Assessment Test -II – March 2025

## Open Notes Examination

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.		You are invited by the World Nuclear Association to address the followings (i) Harmful effect of radioactive waste (ii) mandates in managing the radioactive waste (iii) Lessons learnt from any case study as a part of their awareness week program on Radioactive waste management. Mention the content you would like to deliver.	5*3=15
2.	a.	Illustrate the (i) importance of wastewater treatment (ii) Preliminary and Primary Treatment systems to the interns attending the STP at Kodungaiyur.	8
	b.	You are requested to explain the followings to the interns attending the STP at Perungudi. (i) Types and sources of sludge (ii) Sludge management and Disposal (iii) sludge treatment techniques	6
	c.	Comment about (i) need for Zero Liquid Discharge (ZLD) (ii) Potential markets for ZLD (iii) Challenges in ZLD.	6
3.		The municipality office of Tambaram wants to conduct an awareness program on the Principles of R <sup>3</sup> namely Reduce, Reuse and Recycle for the following emerging wastes to its trainees who are responsible in handling the waste. How would you help them in creating the awareness? (i) Agricultural waste (ii) Plastic wastes (iii) Construction materials waste (iv) E-waste (v) Glass waste	5*3=15

