

**VIT**Vellore Institute of Technology
(Declared as the University under section 3 of UG Act 1996)**SCHOOL OF ADVANCED SCIENCES
CONTINUOUS ASSESSMENT TEST - I
FALL SEMESTER 2025-2026**

REG.NO : 25BCA00044

SLOT: E1

Programme Name & Branch	: BCS, BCA
Course Code and Course Name	: UCHY101L & Environmental Science
Faculty Name(s)	: Mr. Naveenkumar K, Ms. Priyanka V, Ms. Preethi R, Ms. Shanmuga Priya S
Class Number(s)	: VL2025260108014, 8016, 8018, 8028
Date of Examination	: 21.08.2025, 9:30 a.m. to 11:00 a.m.
Exam Duration	: 90 minutes
	Maximum Marks: 50

General instruction(s):**Answer All Questions.**

- M - Max mark; CO - Course Outcome; BL - Blooms Taxonomy Level(1 - Remember, 2 - Understand, 3 - Apply, 4 - Analyse, 5 - Evaluate, 6 - Create)
- **Course Outcomes**
CO-1: Identify causes and effects that affect natural resources and evolve solutions to tackle the problems in a multidisciplinary way.
CO-2: Compare the various renewable energy resources for their efficient utilization.
CO-5: Recognize social issues, their causes, and effects on the environment.

Q. No	Question	M	CO	BL
1.	Summarize the measures to prevent the degradation of natural resources with reference to water and land conservation.	10	1	2
2.	Describe the causes and consequences of deforestation. What are the ecological uses of forest resources?	10	1	1
3.	a) Karnataka and Tamil Nadu often disagree on sharing the Cauvery River water. Why do such water conflicts happen between states? Suggest one way to solve this problem.	5	1	2
	b) Compare any two renewable energy resources and explain how they can be used to produce electricity.	5		
4.	Explain the process of biogas production from biomass and describe the different types of biogas plants with their working principles.	10	2	3
5.	Briefly describe five devices used for harvesting solar energy.	10	2	2
