



VIT
Vellore Institute of Technology
(Deemed to be University) under Section 3 of U.G.A. Act 1956

School of Advanced Sciences

Fall Semester 2023-2024 Freshers

Continuous Assessment Test – II

SLOT: B2 + TB2

Programme Name & Branch : BBS, MIC, MID

Course Name & code: ENVIRONMENTAL SCIENCES & CHY1002

Class Number (s): VL2023240108287, 6295, 6299, 6301, 6303.

Faculty Name (s): U. Vijayalakshmi, S. Senthilkumar, S. Ghosh, C. Vijayanand, A. Sarbajna

Exam Duration: 90 Min.

Maximum Marks: 50

Note: Open Notebook Examination- Students are allowed to carry their self-handwritten notebook and textbooks to the exam.

Q.No.	Answer to All the Questions	Marks
1.	Discuss the validity of the following statements i) Quality Control should be mandatory for plastic based baby bottles ii) Fire retardant fabrics and paints should be free from PCBs iii) Workplace discrimination must be stopped for HIV positive patients	10
2.	Construct a flowchart on how domestic solid waste should be segregated and disposed efficiently. Explain the precautions must be taken in case of waste disposal by a biomedical establishment/hospital.	10
3.	a) "A cup of coffee utilizes approximately 140 liters of water" How do you validate this statement? b) "Ammonia, a chemical derived from human waste can be utilized for renewable energy techniques" Justify the statement	5+5
4.	Analyze the advantages and disadvantages of using the kinetic energy of winds and running water as alternative sources of energy.	10
5.	What is energy efficiency and why is it necessary? How can an average Indian-household implement energy efficient solutions for sustainable living?	10