



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SLOT: B2 + TB2

REG. NO.:

SCHOOL OF MECHANICAL ENGINEERING
CONTINUOUS ASSESSMENT TEST - I
FALL SEMESTER 2025-2026

Programme Name & Branch : B Tech, Mechanical Engineering
Course Code : BME411L
Course Name : Society 5.0
Faculty Name(s) : JOSE S
Class Number(s) : VL2025260102341
Date of Examination : 18/08/2025
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 Outcome Statements:

CO 1: Understand the four parallel key concepts of the society and the opportunities for cutting edge technologies to solve social issues without affecting individual's interest.
CO 2: Demonstrate the importance of citizen oriented sustainable and smart cities to Society 5.0.
CO 3: Examine the impact of technological advancement (from IoT to IoH) on Society 5.0 to attain happiness.

Q. No	Question	M	CO	BL
1.	Present the challenges faced by sidewalks labs in Toronto. Discuss the factors to be addressed to overcome these challenges.	10	1	3
2.	Differentiate between Industry 4.0 and Society 5.0 and present the bottle necks to be addressed in transition from Industry 4.0 to Society 5.0	10	2	3
3.	In a data driven society, how does the blending of physical and digital identities impact individual autonomy, social interactions and psychological well-being?	10	2	3
4.	Present a simple model to implement IOH in Society 5.0 and the challenges to be addressed.	10	3	3
5.	Discuss the role of the Habitat Innovation Framework in addressing key social issues. How does this framework enable sustainable and inclusive development in urban and rural areas?	10	2	3