



VIT[®]
Vellore Institute of Technology
(Decreed to be University under section 3 of UGC Act, 1956)

**SCHOOL OF BIO SCIENCES AND TECHNOLOGY
CONTINUOUS ASSESSMENT TEST -I
WINTER SEMESTER 2024-2025**

Programme Name & Branch : M.Sc. Biotechnology (5 Year)
Course Code : TBIT309L
Course Name : Medical Biotechnology
Slot : G1+TG1
Faculty Name(s) : Dr. M.Kavitha
Class Number(s) : VL2024250502337
Date of Examination : 02.02.25
Exam Duration : 90 minutes
Maximum Marks : 50

General instruction(s):

- **Answer all questions**
- **Draw diagram and insert table if necessary**

Q. No	Question	Marks	Course Outcome (CO)	Bloom's Taxonomy (BL)
1.	List out any ten recombinant proteins employed currently in therapy with their clinical implications.	10	1	1
2.	<i>E.coli</i> cells accumulate the recombinant insulin as inclusion bodies. Provide reason and explain how it aid in the recovery of insulin with a schematic diagram.	10	1	4
3.	Critically evaluate the criteria employed in selecting the scaffold material in tissue engineering.	10	1	3
4.	Write a schematic note on biochips and their applications.	10	1	1
5.	Enlist any ten therapeutic enzymes used in the treatment of various disorders with their clinical implications.	10	2	2