



VIT

Vellore Institute of Technology
(Chartered by the Government of Tamil Nadu)

REG.NO: 24BTT0014

SCHOOL OF HEALTHCARE SCIENCE AND ENGINEERING
CONTINUOUS ASSESSMENT TEST -II
FALL SEMESTER 2025-2026

SLOT: G1+TG1

Programme Name & Branch : B.Tech-Health Sciences & Technology
Course Code : BHST301L
Course Name : Cell and Molecular Biology
Faculty Name(s) : Dr.Arunkumar P
Class Number(s) : VL2025260100967
Date of Examination : 11.10.2025
Exam Duration : 90 minutes

Maximum Marks: 50

General instruction(s):

- **Answer All Questions**

Q. No	Question	Marks	Course Outcome (CO)	Bloom's Taxonomy (BL)
1.	Discuss in detail about the mechanism and types of endocytosis.	10	1	BL2
2.	Draw and explain how clinical haemodialysis/kidney dialysis works.	10	1	BL2
3.	a) Differentiate prokaryotic and eukaryotic replication (major 5 points). b) Draw the schematic map of mitochondrial genome.	5+5	1	BL1
4.	Compare the functions of mRNA and lncRNA.	10	3	BL3
5.	Explain any one of the human X-linked genetic disorders.	10	4	BL2
