



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

Programme Name & Branch	: M.Sc. (Integrated) Biotechnology
Course Code	: TBIT205L
Course Name	: Human Anatomy and Physiology
Slot	: C1+TC1
Faculty Name(s)	: Dr. Krishna Rao Eswar N
Class Number(s)	: VL2024250502331
Date of Examination	: 29/01/2025
Exam Duration	: 90 minutes

Maximum Marks: 50

General instruction(s): Answer all the questions with a neat diagram and label it.

Q. No	Question	Marks
1.	Explain the structure and components of a simple human cell in detail and provide a clear, labelled diagram.	10
2.	(a) Draw and describe the structure and function of the cell membrane. (5 marks)	10
	(b) Explain various types of Transport Mechanisms Involved with a neat illustration. (5 marks)	
3.	Discuss the classification of blood groups and describe the process of blood clotting	10
4.	Explain the various types of white blood cells (WBCs) along with their functions with a neat sketch	10
5.	Provide a brief overview of the components of the axial skeleton system and their significance	10
