



School of Bio Sciences and Technology

Continuous Assessment Test -1 (CAT-1) Fall Semester (2024-25)

Course Name & code: Microbiology - BBIT203L

Programme Name & Branch: B.Tech. Biotechnology

Class Numbers: VL2024250104088 and VL2024250104085

Slot: D1+TD1

Faculty Names: Prof. Dr Suneetha V and Dr. M Kavitha

Exam Duration: 90 min

Maximum Marks: 50

Section – A (5X10=50)

Answer all questions

General instruction(s): Please draw the diagrams where ever necessary

Q. No.	Question	Max Marks	CO	BL
1.	Summarize and highlight the contributions of any five pioneering scientists and explain how the discoveries led to the development of Microbiology as Engineering applied science.	10	1	2
2.	Generalize and discriminate types of microscopes with applications.	10	1	3
3.	a) Compare and contrast autoclave and hot air oven. (5 marks) b) Differentiate sterilization, antisepsis and disinfection with examples. (5 marks)	10	3	4
4.	Define ideal culture media and analyse the types of bacteriological media.	10	3	1
5.	Which staining/microscopy is appropriate for the following? Give reasons. i) Spirochetes ii) Exopolymers of bacteria iii) Resistant forms of bacteria iv) Bacterial flagella v) Hepatitis virus	10	1	5.