

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Write a short note on parts of microscope.	K2	CO 1
		(OR)		
	11.b.	Phase contrast Microscope - Explain.		
2	12.a.	Write about the Principle of gram staining.	K3	CO 2
		(OR)		
	12.b.	Discuss in details about the Micrometry.		
3	13.a.	Explain in details about the principle of autoclave and its applications.	K3	CO 3
		(OR)		
	13.b.	Explain in details about the pasteurization.		
4	14.a.	Explain in details about the properties of chemical agents.	K4	CO 4
		(OR)		
	14.b.	Discuss about quaternary ammonium compounds.		
5	15.a.	Elaborate the streak plate methods.	K4	CO 5
		(OR)		
	15.b.	Explain about the anaerobic cultivation techniques.		

SECTION - C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Describe in details about the difference between SEM and TEM.	K4	CO 1
2	17	Explain the about the differential staining methods.	K4	CO 2
3	18	Elaborate the moist and dry heat method of sterilization.	K4	CO 3
4	19	Give an account on mechanism of action of chemical agents.	K4	CO 4
5	20	Write an essay on preservation methods of microorganisms.	K4	CO 5

Z-Z-Z END