PRN:		Course Code:	UML304

Second Year **B.Sc. Medical Laboratory Technology**
End Semester Examination winter 2023

Microbiology - I

Day and Date: Tuesday, 05/12/2023		Max Marks:	**50**
Time:	2.00 to 4.00 PM	Duration:	**02**hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt any two from the following**			
	a)	Write the difference between prokaryotic and eukaryotic cells.	06	L_1	**CO1**
	b)	Define and Explain bacterial taxonomy.	06	L_2	**CO1**
	c)	Explain in the brief composition of gram positive cell.	06	L_2	**CO1**
Q.2		**Attempt any two from the following**			
	a)	Explain parts and draw a neat labeled diagram of compound microscope.	06	L_1	**CO2**
	b)	Define and explain bright filed microscope.	06	L_1	**CO2**
	c)	Define and Explain the use of electron microscopy.	06	L_3	**CO2**
Q.3		**Attempt the following**			
	a)	Discuss about physical sterilization method.	06	L_2	**CO3**
	b)	Define and write a short note autoclave sterilization.	07	L_3	**CO 3**
		Or			
	b)	Enlist and Explain the type of biomedical waste generated in medical laboratory.	07	L_2	**CO 3**
Q.4		**Attempt the following.**			
	a)	Define and explain any three chemical disinfectants.	06	L_2	**CO4**
	b)	Write a short note on heavy metals and alcohol.	07	L_4	**CO4**
		Or			
	b)	Define antiseptics and write its use and abuses.	07	L_2	**CO4**

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