GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Biomedical Science

Master of Science in Medical Biotechnology
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - Q1PP203T - Microbial Technology

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Explain Microaerophiles.	K2	(2)
2)	Define how microorganisms adapt themselves against UV radiation?	K1	(3)
3)	Explain Psychrotrophs.	K2	(4)
4)	Explain the general characters of Algae.	K2	(6)
5)	Illustarte the general characters of Fungi.	K3	(6)
6)	Illustarte if a culture starts with 50 cells, how many cells will be present after five generations with no cell death?	K3	(9)
7)	Analyze the bacterial growth curve in detail.	K4	(8)
8)	Analyze the initial population at time t=0 and find the size of the bacterial population after 5 hrs if the doubling period of a bacterial population is 30 min. At time t=120 min, the bacterial population was 60,000.	K4	(12)

OR

	Analyze bacteriorhodopsin.	K4	(12)