GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Biomedical Science

Master of Science in Medical Biotechnology
Semester End Examination - Aug 2024

Duration : 180 Minutes
Max Marks : 100

Sem III - MBAMBT3005 - Industrial Bioprocess 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)	Define the Gut microbiota brain axis.	K1(2)
2)	Explain the biochemistry of rectors in details.	K2(4)
3)	Extend the law of conservation of mass.	K2(6)
4)	Solve the spirulina nutritive benefits in nutrition.	K3(9)
5)	Solve the amylase production and industrial application in details.	K3(9)
6)	Evalaute the different types of Lineweaver-Burk plot, Eadie-Hofstee plot, Hanes-woolf plot in details.	K5(10)
7)	List the irreversible inhibitors, mixed inhibitors and sucide inhibitors in details.	K4(12)
8)	Evalaute the immobilized enzyme systems.	K5(15)
9)	Interpret the Enzyme reaction in continuous operation of plug flow reactor.	K5(15)
10)	Construct a on review on wine, classify the wine and discuss the steps of wine making	K6(18)