

ADMISSION NUMBER

School of Biological and Life sciences Bachelor of Science Honours in Microbiology

Semester End Examination - May 2024

Duration: 180 Minutes Max Marks: 100

Sem VI - P1UC604B - Industrial Microbiology

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 synthetic media with examples.	K1 (2)
2)	Extend the solvent-solvent extraction method for the purificaion of the product in ferementaion process.	K2 (4)
3)	Illustrate the industrial production process of beer.	K2 (6)
4)	Apply various screening methods for the isolation of industrially important micro-organisms.	K3 (9)
5)	Develoment of fermentation medium is necessary for quality and yield of microbial product in a fermentation. Justify this statement.	K3 (9)
6)	Explain the production process and various applications of lipase enzyme in the industry.	K5 (10)
7)	List out the raw materials for the preparation of beer and how does it convert into fermentable sugar.	K4 (12)
8)	Determine the fermentation medium, its components and requirement for a feremtnation process.	K5 (15)
9)	Choose any five effective methods for extraction, separation and purification of microbial product in fermentation process.	K5 (15)
10)	Elaborate the different types of chromatorgraphic methods for the purification of product from fermentation medium.	K6 (18)