

School of Biomedical Science

Department of Biomedical Science

Mid Term Examination

Exam Date: 01 Oct 2023

Time : 90 Minutes

Marks : 50

Sem III - MBAMBT3005 - Industrial Bioprocess Technology

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Demonstrate the comparison of spontaneous and induced mutation. K2 (2)
- 2) Name the methods of Industrial strain Preservation. K1 (3)
- 3) Summarize the key steps of microbial strain development. K2 (4)
- 4) Extend the continuous stirred tank reactor. K2 (6)
- 5) Apply the bubble column reactor. K3 (6)
- 6) Examine the tubular reactor K3 (9)
- 7) Dissect the bioreactor and unit process in details. K4 (8)

- 8) Survey the importance of sparger in bioreactors. K4 (12)

OR

Inspect the importance of PH and Probe K4 (12)