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School of Biomedical Science**Master of Science in Medical Biotechnology
Semester End Examination - Nov 2023****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) Show the difference between wild and industrial stain. K1 (2)
- 2) Outline the metabolic process. K2 (4)
- 3) Explain the Biochemistry of the plug flow reactors. K2 (6)
- 4) Classify the packed bed reactor. K3 (9)
- 5) Discuss the methods of high fructose corn sugar production. K3 (9)
- 6) Criticize the rate limiting step and reaction intermediates of enzymes in details. K5 (10)
- 7) Infer the kinetic test for determining inhibition mechanism. K4 (12)
- 8) Interpret the enzymatic reaction in continuous operation of CSTR. K5 (15)
- 9) Evaluate the Feedback inhibition of Enzyme in details. K5 (15)
- 10) Elaborate the Process flow diagram in details. K6 (18)