

School of Biomedical Science

**Bachelor of Science in Medical Biotechnology
Summer Term Examination – July - August 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem V -C2UH502B - 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) Tell whether the microorganisms from lakes and rivers can grow at a salt concentration of above 1 percent. K1(2)
- 2) Organize list of different pH and temperature required for the growth of microbes K2(4)
- 3) Summarize the main reason for providing an equalization tank in the sewage treatment plant? K2(6)
- 4) Construct biodegradation of non cellulose wastes for environmental conservation K3(9)
- 5) Construct storage methods used to store microbes? K3(9)
- 6) Interpret steps followed to generate electricity via using microbial cell fuel? K5(10)
- 7) Analyze steps followed in bioremediation of microbial enhanced oil recovery K4(12)
- 8) Justify different mode of antibiotic action K5(15)
- 9) Justify the main advantage of using Microbial Fuel Cells as a source of renewable energy? K5(15)
- 10) Elaborate lignocellulosic waste degradation K6(18)