

**School of Biological and Life sciences****Bachelor of Science Honours in Microbiology  
Semester End Examination - Jun 2024****Duration : 180 Minutes  
Max Marks : 100****Sem II - P1UC202B - Bacteriology***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) What are the differences between flagella and pilli. K1(2)
- 2) Describe and draw a neat and clean graph of growth pattern of bacteria. K2(4)
- 3) Explain the identification technique of cell morphological characteristics. K2(6)
- 4) Discuss long term preservation methods. K3(9)
- 5) Define factors influence bacterial growth. K3(9)
- 6) Identify how does filtration contribute to sterilization. K5(10)
- 7) Discuss how do Archaeobacteria contribute to human health and biotechnology. K4(12)
- 8) Interpret the role of preservation and maintenance of culture in the field of microbiology. K5(15)
- 9) Elaborate how do Eubacteria contribute to the global nitrogen cycle. K5(15)
- 10) Discuss the nutritional requirement in bacteria and how we can isolate microorganism in laboratory. K6(18)