

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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 - P1UC601T - Medical 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) What are the side effects of antibiotics? K1 (2)
- 2) How do pathogens recognize and adhere to host cells during the initial stages of infection? K2 (4)
- 3) Discuss the respiratory symptoms commonly seen in patients with tuberculosis (TB). K2 (6)
- 4) What is antibiotic resistance? K3 (9)
- 5) Describe the major classes of antibiotics? K3 (9)
- 6) What role do environmental factors play in the transmission of microbial infections, and how can they be mitigated to reduce disease risk? K5 (10)
- 7) How do public health measures such as surveillance, outbreak investigation, and contact tracing contribute to the prevention and control of infectious diseases? K4 (12)
- 8) What ongoing research efforts are focused on combating infectious diseases and improving public health outcomes? K5 (15)
- 9) Discuss the COVID-19 pandemic highlighted the importance of understanding and managing infectious diseases? K5 (15)
- 10) Explain modern methods of microbial diagnosis? K6 (18)