

School of Medical and Allied Sciences**B.Sc Medical Lab Technology
Semester End Examination - Jul 2024****Duration : 180 Minutes
Max Marks : 100****Sem II - L1UD204T - Human Anatomy and Physiology**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) Define the role of lymph nodes in the lymphatic system and their significance in immune response. K1(2)
- 2) Explain how filtration, reabsorption, and secretion occur within the nephron to produce urine. K2(4)
- 3) Explain the additional excretory organs in the body and their roles in waste elimination. K2(6)
- 4) Illustrate the components of the respiratory system in order of their involvement in the breathing process. K3(9)
- 5) Illustrate the components of the ear and their respective roles in hearing and balance. K3(9)
- 6) Examine the significance of the liver in digestion. K5(10)
- 7) Analyze the various components of the lymphatic system based on their functions. K4(12)
- 8) Examine the role of the spinal cord in transmitting sensory information and generating motor responses. K5(15)
- 9) Examine the effectiveness of the nervous system in coordinating body functions. K5(15)
- 10) Elaborate a model explaining the process of mitosis and meiosis within the body. K6(18)