

School of Medical and Allied Sciences**B.Sc Medical Lab Technology
Semester End Examination - Jun 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 structure of the kidney and explain its role as an excretory organ. K1(2)
- 2) Explain the process of lymphocyte maturation in the thymus gland. K2(4)
- 3) Explain the relationship between the cardiovascular and respiratory systems in maintaining homeostasis during exercise. K2(6)
- 4) Illustrate the structures and functions of the digestive system, including accessory organs and digestive glands. K3(9)
- 5) Illustrate the stages of the menstrual cycle and its significance in the female reproductive system. K3(9)
- 6) Examine the role of the spleen as a secondary lymphoid organ and its importance in immune defense. K5(10)
- 7) Analyze the different types of body fluids based on their composition and functions. K4(12)
- 8) Examine the impact of regular aerobic exercise on cardiovascular health. K5(15)
- 9) Examine the effectiveness of the thymus gland in producing and maturing T lymphocytes. K5(15)
- 10) Discuss a comprehensive overview of the endocrine system K6(18)