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School of Biological and Life sciences

Bachelor of Science Honours in Biomedical Science

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem IV - P1UC404C - Concepts of Immunology*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 primary immune response. K2 (2)
- 2) Differentiate between innate and adaptive immunity. K1 (3)
- 3) Draw the structure of antibody. K2 (4)
- 4) What are the different types of antigens based on function? K2 (6)
- 5) Explain the process of opsonization and its role in immune defense. K3 (6)
- 6) Describe the process of antigen presentation by MHC class I molecules. K3 (9)
- 7) Compare and contrast the classical and alternative pathways of complement activation. K4 (8)
- 8) Explain the process of antigen presentation by MHC class II molecules. K4 (12)

OR

- Discuss the importance of accurate MHC matching in organ transplantation and its effects on graft survival. K4 (12)