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**School of Biological and Life sciences**

Bachelor of Science Honours in Biomedical Science  
Semester End Examination - Nov 2023

Duration : 180 Minutes  
Max Marks : 100

**Sem V - C2UC501B - 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) Write the components of B-Cells receptor (BCR). K1 (2)
- 2) Summarize concept of immune cancer therapy. K2 (4)
- 3) Recall the functions of immunoglobulin M (IgM) antibodies? K2 (6)
- 4) Relate the concept of immunological memory. K3 (9)
- 5) Illustrate the process of MHC I & II recognition. K3 (9)
- 6) Elaborate the functions of memory B cells in the immune system? K5 (10)
- 7) Analyze the role of complement proteins in the immune system? K4 (12)
- 8) Illustrate the autoimmune diseases and provide examples. K5 (15)
- 9) Assess the vaccines work to protect against infectious diseases? K5 (15)
- 10) Demonstrate the immunoglobulins and their classes. K6 (18)