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**School of Biological and Life sciences**

Bachelor of Science Honours in Microbiology

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 50

**Sem III - C2UC303T - Virology**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) Briefly describe the discovery of viruses. K2 (2)
- 2) What are unusual bases in viral genomes? K1 (3)
- 3) Describe the nomenclature system for viruses. K2 (4)
- 4) Explain the theories of viral origin. K2 (6)
- 5) How do ambisense genomes function in viral replication? K3 (6)
- 6) Detail the process of purifying viruses. K3 (9)
- 7) Explain the role of long terminal repeats in retroviruses. K4 (8)
- 8) Explain the concept of early and late proteins in viral replication. K4 (12)

**OR**

How is transcription regulated in lambda phage? K4 (12)