

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**School of Biomedical Science**  
Bachelor of Science in Clinical Nutrition and Dietetics  
Mid Term Examination - Nov 2023

Duration : 90 Minutes  
Max Marks : 50

**Sem I - Q1UF102T - Molecular Biology**

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) Describe the Hogsteen Base Pairing K2 (2)
- 2) Define Transcription K1 (3)
- 3) Discuss the functioning of replication fork K2 (4)
- 4) Classify the types of sugars present in the nucleic acids K2 (6)
- 5) Interpret the role of telomeres in DNA replication. K3 (6)
- 6) Demonstrate the role of ribosome in central dogma. K3 (9)
- 7) Compare between DNA and RNA Polymerase. K4 (8)
  
- 8) Distinguish between A, B and Z DNA. K4 (12)

**OR**

Organize the salient features of RNA Polymerase I and II. K4 (12)