

School of Biomedical Science

Bachelor of Science in Clinical Nutrition and Dietetics Summer & Backlog - Semester End Examination - Jul 2024

Duration : 180 Minutes Max Marks : 100

Sem I - Q1UF104C /Q1UF102T - Molecular Biology

<u>General Instructions</u> 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)	Tell the role of DNA primase.	K1(2)
2)	Discuss the subunits of RNA Polymerase	K2(4)
3)	Identify, list and discuss the role of the transcription factors that are involved in the initiation step.	K2(6)
4)	Analyze the process of post-transcriptional modifications of RNA in eukaryotes.	K3(9)
5)	Use your knowledge of nucleotide sequences to explain the occurrence of introns.	K3(9)
6)	Evaluate the importance of exons	K5(10)
7)	Examine the different types of DNA repair mechanisms.	K4(12)
8)	Elaborate each of the six types of eukaryotic DNA polymerases.	K5(15)
9)	Evaluate the role of UV as a potent mutagen	K5(15)
10)	Compile the process of transcription in eukaryotes.	K6(18)