

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

School of Biomedical Science**Master of Science in Medical Biotechnology
Semester End Examination - Jun 2024****Duration : 180 Minutes****Max Marks : 100****Sem II - Q1PP201T - Genomics and Proteomics***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 transcriptomics K1 (2)
- 2) Discuss the application of BLAST and FASTA. K2 (4)
- 3) Explain why RNAs have better information than DNA. K2 (6)
- 4) Discuss the use of vectors in yeast two hybrid assay. K3 (9)
- 5) Illustrate a RNA-Seq experiment design. K3 (9)
- 6) Organize the color patterns observed in a microarray according to gene expression K5 (10)
- 7) Compare the effects of different types of mutation. K4 (12)
- 8) Evaluate the importance of high throughput screening for drug discovery K5 (15)
- 9) Defend the phage display technique. K5 (15)
- 10) Design with workflow for identify anovel gene you discovered in an experiment. K6 (18)