

School of Biomedical Science

Department of Biomedical Science

Mid Term Examination

Exam Date: 03 Oct 2023

Time : 90 Minutes

Marks : 50

Sem III - MBAMTT3007 - Genomics and Proteomics

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Identify the genome projects other than HGP K2 (2)
- 2) Define Lac operon. K1 (3)
- 3) Classify types of microarrays for transcriptomics. K2 (4)
- 4) Explain the features of YAC. K2 (6)
- 5) Interpret the significance of ct value in RT-PCR K3 (6)
- 6) Demonstrate the importance of multiple sequence alignment in genomics. K3 (9)
- 7) Compare Sanger sequencing and NGS. K4 (8)
- 8) Compare between FISH and RT-PCR. K4 (12)

OR

Organize the importances of the cycle threshold value (Ct). K4 (12)