

School of Biomedical Science

Department of Biomedical Science

Mid Term Examination

Exam Date: 27 Sep 2023

Time : 90 Minutes

Marks : 50

Sem III - MBICT3002 - Clinical Research and Biotechnology

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

- 1) Define different types of DNA. K2 (2)
- 2) Define DNA Microarray. K1 (3)
- 3) Explain the inbreeding depression. K2 (4)
- 4) Explain the in-vitro fertilization K2 (6)
- 5) Describe the CO₂ incubators used in the cell culture. K3 (6)
- 6) Explain the natural media used in the cell culture. K3 (9)
- 7) Examine the advantages of MOET. K4 (8)

- 8) Distinguish between apoptosis and necroapoptosis with suitable examples. K4 (12)

OR

Inspect the various assays involved in apoptosis. K4 (12)