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School of Biomedical Science

**Bachelor of Science Honours in Healthcare and Clinical Research
Mid Term Examination - Nov 2023**

Duration : 90 Minutes

Max Marks : 50

Sem I - Q1UH102T - Basics of Biotechnology

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) Outline the concepts of gene therapy. K2 (2)
- 2) Define biofuels. K1 (3)
- 3) Explain the importance of rDNA technology applied for the development of biopharmaceuticals. K2 (4)
- 4) Summarize the application of biotechnology in environmental protection. K2 (6)
- 5) Identify some examples of classical biotechnology. K3 (6)
- 6) Construct points to explain the application of biotechnology in medicine and health care. K3 (9)
- 7) Discover the achievements and innovations of Indian Biotechnological Industries. K4 (8)
- 8) Examine and explain biotechnology for crop improvement. K4 (12)

OR

Analyze the X-linked recessive and dominant inheritance. K4 (12)