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School of Biomedical Science
Bachelor of Science Honours in Forensic Science
Mid Term Examination - Mar 2024

Duration : 90 Minutes
Max Marks : 50

Sem VI - Q1UA602B - DNA Profiling

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) Classify importance of RNA. K2 (2)
- 2) what is DNA? Show the importance of DNA. K1 (3)
- 3) Explain the variations occurred due to mutation. K2 (4)
- 4) Illustrate the monohybrid cross and dihybrid cross. K2 (6)
- 5) Build the dihybrid cross between round yellow seeds (RRYY) and wrinkled green seeds K3 (6)
- 6) Illustrate and construct the role of DNA fingerprinting in criminal investigations. K3 (9)
- 7) Classify the Mendel's law of inheritance. K4 (8)
- 8) Examine the importance of different types of RNA in protein synthesis. K4 (12)

OR

Analyze the different co-dominant markers role in DNA Profiling. K4 (12)