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School of Biomedical Science
Bachelor of Science Honours in Forensic Science
Semester End Examination - May 2024

Duration : 180 Minutes
Max Marks : 100

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) Tell the characteristics feature of RNA. K1 (2)
- 2) Explain the translation process. K2 (4)
- 3) Summarize the Purpose of Y-STR Testing K2 (6)
- 4) Construct a scenario where DNA evidence is crucial in solving a crime. K3 (9)
- 5) While the experiment of dna extraction, various chemicals are used. Explain the roles of those chemicals in detail. K3 (9)
- 6) Deduct the DNA isolation method used for the maternity testing. K5 (10)
- 7) Distinguish between the DEP array and Microfluids Techniques. K4 (12)
- 8) Determine the various types of satellites used in DNA Markers for the identification purpose of an individual. Explain the Advantages of these markers. K5 (15)
- 9) Determine the various steps of DNA Profiling. Elaborate the steps using schematic representation. K5 (15)
- 10) Elaborate the various DNA isolation method techniques used for the animal Source. Discuss the functions of Different chemicals used in it. K6 (18)