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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 - Q1UA601T - Recent Advancements in Forensic Science

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) Define Nanotechnology. K1 (2)
- 2) Explain interrogation methods in fraud investigation. K2 (4)
- 3) Summarize use of nanotechnology in Fingerprint development. K2 (6)
- 4) Solve difference between physical, documentary, and observational evidence in a fraud investigation. K3 (9)
- 5) Make use of LA-ICP-MS analysis of gunshot residue contribute to firearms-related investigations in forensic science? K3 (9)
- 6) Evaluate interrogation methods be utilized in a fraud investigation? K5 (10)
- 7) Examine alternative light photography and how is it used in forensic investigations? K4 (12)
- 8) Evaluate fatigue fracture and how does it differ from static loading failure? K5 (15)
- 9) Determine nanoparticles utilized in the detection and analysis of narcotics and drugs in forensic science? K5 (15)
- 10) Elaborate how liquid erosion failures occur and provide examples of industries where this type of failure is prevalent. K6 (18)