

School of Biomedical Science**Master of Science in Forensic Science
Semester End Examination - Jul 2024****Duration : 180 Minutes
Max Marks : 100****Sem II - Q1PR203B - Dermatoglyphics and Other Impressions**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*

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| 1) | tell the forensic significance of Ear prints. | K1(2) |
| 2) | Explain the single digit classification system. | K2(4) |
| 3) | Illustrate the use of nanoparticles for the fingerprint's development | K2(6) |
| 4) | Develop a protocol for preserving and lifting fingerprints from crime scenes, considering the nature of surfaces and environmental conditions. Develop a protocol for preserving and lifting fingerprints from crime scenes, considering the nature of surfaces and environmental conditions. | K3(9) |
| 5) | Explain the process of evaluating lip prints and their potential role in identifying individuals. | K3(9) |
| 6) | Interpret the theory of ridge formation. | K5(10) |
| 7) | Conclude the preservation methods of plastic and latent fingerprints, considering factors such as substrate material, environmental conditions. | K4(12) |
| 8) | Determine the role of Different chemical powders in development of latent fingerprints present on various types of surfaces. | K5(15) |
| 9) | Determine the methods used for the collection and preservation of fingerprints taken from the dead person. | K5(15) |
| 10) | Design a comprehensive protocol for collecting control samples from various surfaces for footprints analysis. Justify the steps included in your protocol, considering factors such as surface type and environmental conditions. | K6(18) |