



ADMISSION NUMBER

## School of Biomedical Science

Bachelor of Science Honours in Forensic Science  
Semester End Examination - Aug 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 Forensic Engineering.  | K1(2)  |
| 2)  | Classify biometric techniques based on physiology.  | K2(4)  |
| 3)  | Explain the concept of pattern comparison in forensic science.  | K2(6)  |
| 4)  | Identify Organizational structure of forensic science laboratories contribute to the efficiency of forensic investigations.             | K3(9)  |
| 5)  | Identify advancements in facial recognition technology impacted forensic science.   | K3(9)  |
| 6)  | Interpret liquid metal embrittlement impact the mechanical properties of materials and what are the usual consequences of this failure? | K5(10) |
| 7)  | Analyse hydrogen embrittlement and outline preventive techniques to avoid this type of failure in materials.                            | K4(12) |
| 8)  | Evaluate nanotechnology be applied to the analysis of documents in forensic science?  | K5(15) |
| 9)  | Determine role of fire technology played in forensic science?   | K5(15) |
| 10) | Elaborate nanoparticles to enhance the selectivity of analytical techniques in forensic science.  | K6(18) |