



ADMISSION NUMBER

School of Biomedical Science

Bachelor of Science Honours in Forensic Science
Semester End Examination - Jul 2024

Duration : 180 Minutes
Max Marks : 100

Sem III - C2UB304B - Trace Evidence and Tool-Mark Analysis

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) | What are the primary components of soil? | K1(2) |
| 2) | How does the refractive index of glass vary with its composition? | K2(4) |
| 3) | Describe the relationship between soil particle size distribution and soil properties. | K2(6) |
| 4) | What techniques can be employed to analyze the physical properties of soil and glass samples from a crime scene? | K3(9) |
| 5) | Discuss a step-by-step procedure for measuring the density of a soil sample. | K3(9) |
| 6) | Compare and contrast the properties of clay and sandy soils in a forensic context. | K5(10) |
| 7) | Classify the glass on the basis of their market application. | K4(12) |
| 8) | How can statistical analysis be used to assess the significance of a fiber match? | K5(15) |
| 9) | Compare the forensic value of soil evidence to other types of physical evidence. | K5(15) |
| 10) | Create a hypothetical case scenario involving glass evidence and propose an analysis plan | K6(18) |