

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

School of Biomedical Science
Bachelor of Science Honours in Forensic Science
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem II - Q1UB201B - 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) Outline the factors that can affect the physical properties of a glass sample. K2 (2)
- 2) Define RRR in context of glass fractures? K1 (3)
- 3) How does the refractive index vary with the composition of a material? Explain the significance of refractive index in forensic science. K2 (4)
- 4) Outline the suitable collection, packing and preservation methods for blood samples at different conditions K2 (6)
- 5) Interview the factors that cause variation in glass composition. K3 (6)
- 6) How does soil composition vary in different geographical regions? Explain. K3 (9)
- 7) How can microscopy be applied to analyse the hair sample? K4 (8)
- 8) How can hair structure be used to differentiate between human and animal hair? K4 (12)

OR

Compare the soil density gradient method with other techniques used for the analysis of soil. K4 (12)