

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

School of Biomedical Science
Bachelor of Science Honours in Forensic Science
Mid Term Examination - Nov 2023

Duration : 90 Minutes
Max Marks : 50

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) Describe the factors that can affect the density of a glass sample K2 (2)
- 2) What are the various types of glass fractures? K1 (3)
- 3) Describe the relationship between temperature and density in materials. How is it used in forensic science? K2 (4)
- 4) How does the refractive index vary with the composition of a material? Explain the significance of refractive index in forensic science. K2 (6)
- 5) Interview the factors that cause variation in soil 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)