



PAN AFRICA CHRISTIAN UNIVERSITY

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

**END OF SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF ARTS IN COMMUNITY DEVELOPMENT**

SEPTEMBER – DECEMBER 2024

CAMPUS: ROYSAMBU

COURSE CODE: DCR 119

COURSE TITLE: FORENSIC SCIENCE AND LEGAL SYSTEM

EXAM DATE: FRIDAY

DURATION: 3 HOURS

TIME: 11.00 AM- 13:00PM

INSTRUCTIONS

- Read the instructions and questions carefully before you write the answers.
- Answer any **TWO** questions
- *ALL PAC University's examination rules and regulations apply*

Question 1

You are part of a forensic team called to a crime scene where a burglary and assault have occurred. The crime scene includes broken glass, blood stains, a footprint, and what appears to be a threatening note left by the suspect.

- a) Discuss any five steps you would undertake in securing and processing this crime scene to ensure the preservation and integrity of evidence. **(10 Marks)**
- b) Explain how forensic experts would analyze each piece of evidence to aid in identifying the suspect. **(4 Marks)**
- c) Describe three potential challenges of evidence contamination and the measures to prevent it. **(6 Marks)**

Question 2

A suspect is found unconscious at the scene of a crime involving a suspected poisoning incident. Nearby, investigators find various substances and a syringe. The suspect claims no involvement and states that they were drugged.

- a) Describe the five (5) steps forensic toxicologists would take to analyze the substances found at the scene. **(10 Marks)**
- b) Evaluate two ways the toxicological findings might help determine whether the suspect was indeed drugged or if they could be linked to the poisoning of others. **(4 Marks)**
- c) Discuss any three reasons why it is important to understand drug and poison interactions in toxicology in criminal investigations. **(6 Marks)**

Question 3

A high-profile case involves cybercrime in which a suspect allegedly hacked into a company's secure database to steal sensitive information. Digital forensic experts have been called in to trace the digital footprints and recover any deleted data.

- a) Explain any five 5 steps involved in a digital forensic investigation, from identifying evidence to presenting findings in court. **(10 Marks)**
- b) Analyze any three (3) challenges associated with digital evidence collection. **(6 Marks)**
- c) Discuss how digital forensics contributes to solving cases beyond cybercrime, such as in traditional criminal investigations. **(4 Marks)**

THE END