



MURANG'A UNIVERSITY OF TECHNOLOGY
SCHOOL OF EDUCATION, HUMANITIES AND SOCIAL
SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

UNIVERSITY ORDINARY EXAMINATION

2023/2024 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA IN
CRIMINOLOGY AND SECURITY STUDIES

CCS 064– FORENSIC SCIENCE

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Attempt questions ONE and any other TWO questions
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A: ATTEMPT ALL QUESTIONS IN THIS SECTION

- a) Briefly explain how forensic science has been of benefit in criminal investigations. (4 marks)
- b) Give any three branches of forensic science. (3marks)
- c) Discuss the Locard Exchange principle and give any relevant examples. (3 marks)
- d) List any four items found in finger print evidence collection kit. (4 marks)
- e) Highlight three reasons why correct handling of evidence is an important aspect of forensic science. (3 marks)
- f) What do you understand by the term trace evidence? Give any two examples of trace evidence. (4 marks)
- g) Give any two encouraged practices at the crime scene. (2 marks)
- h) Give three reasons why paper trail is so important in forensic science. (3 marks)
- i) State any four digital evidence analysis tools. (4 marks)

SECTION B: ATTEMPT ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- a) Evaluate three characteristics of an indoor crime scene. (6 marks)
- b) Discuss the seven steps in crime scene investigations. (14 marks)

QUESTION THREE (20 MARKS)

Discuss the benefits of criminal profiling in forensics. (20 marks)

QUESTION FOUR (20 MARKS)

- a) Analyze five reasons why human factor is very essential in forensic science. (10 marks)
- b) Evaluate five emerging issues in forensic science. (10 marks)