



**MURANG'A UNIVERSITY OF TECHNOLOGY**  
**SCHOOL OF HUMANITIES AND SOCIAL SCIENCES**

DEPARTMENT OF SOCIAL SCIENCES

UNIVERSITY ORDINARY EXAMINATION

2024/2025 ACADEMIC YEAR

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR**  
**OF SCIENCE IN CRIMINOLOGY AND SECURITY STUDIES**

CCS 300 – PHYSICAL AND TECHNICAL SECURITY

DURATION: 2 HOURS

**INSTRUCTIONS TO CANDIDATES:**

1. Answer question 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 – ANSWER ALL QUESTIONS IN THIS SECTION**

### **QUESTION ONE (30 MARKS)**

- a. Physical security details the composition of safety and security for organizations. By giving the meaning of physical security and with the aid of a diagram, describe the four broad categories that summarise the objects of physical security. (10 marks)
- b. With the aid of examples, discuss five levels of asset protection that organizations and governments can implement. (10 marks)
- c. Crime prevention through environmental design aims to manipulate the environment to prevent crime. Discuss three strategies that has anchored CPTED. (4 marks)
- d. Safeguarding sensitive computer information is essential in communication and information security. State four principles of protecting computer information. (4 marks)

## **SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION**

### **QUESTION TWO (20 MARKS)**

- a. You are the security manager for XYZ limited, a leading telecommunication agency in the country. Your agency has recently been receiving complaints from several customers about slow services, loss of money among others. Identify five threats that your agency is likely to face given their scope. (10 marks)
- b. The management of the company have decided to employ more workers to enhance the quality of their services. Explain five reasons why conducting a background check on potential employees is essential. (10 marks)

### **QUESTION THREE (20 MARKS)**

M and N manufacturing firm is a medium sized company specializing in the production of automobile parts. With a workforce of 500 employees and multiple production lines, the company faces various risks inherent to the manufacturing industry.

- a. Identify any five forms of risk that the company is likely to face. (10 marks)
- b. Discuss five ways / methods the company may employ to mitigate the risks. (10 marks)

### **QUESTION FOUR (20 MARKS)**

- a. Examine five information protection strategies that can be adopted by an intelligence led company. (10 marks)
- b. Security begins but does not end with physical security. Discuss this assertion showing whether you agree or disagree with it. (10 marks)