



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF EDUCATION, HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCE

UNIVERSITY ORDINARY EXAMINATION

2021/2022 ACADEMIC YEAR

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

CCS300– 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.

QUESTION ONE (30 MARKS)

- a) Explain the meaning of the following security terms
- i. Physical security. (3 mks)
 - i. Personnel Security. (3 mks)
 - ii. Information security. (3 mks)
- b) Classify five levels of asset protection that can be employed by any security department. (5 mks)
- c) Examine four categories of alarm systems that can be installed in any facility. (4 mks)
- d) Clearly illustrate the 3 different types of risks at the work. (6 mks)
- e) Identify the four categories used for classified information. (4 mks)
- f) Explain the meaning of the concept computer “virus” (2 mks)

QUESTION TWO (20 MARKS)

- a) With the aid of examples, describe the four strategies of Crime Prevention Through Environmental Design (CPTED). (10 mks)
- b) Clearly outline five principles and strategies for protecting computer systems and databases. (10 mks)

QUESTION THREE (20 MARKS)

- a) Security departments within retail organizations often differ in their approaches to loss prevention. Some focus most protection resources towards externally motivated crime prevention while others emphasize internal theft prevention. Discuss the pros and cons of these approaches clearly showing your favourite. (10 mks)
- b) Although commonalties exist numerous unique hazards threatens specific types of industries and organizations. Explain any five security threats that an institution of higher learning is likely to face (10 mks)

QUESTION FOUR (20 MARKS)

- a) The safety of the workplace is both a security and human resource function. Using the Occupational Safety and Health Act 2007, describe any five provisions for the safety and health of workplace environment and its workers. (10 mks)
- b) With the aid of examples, describe five types of fire and how to extinguish them. (10 mks)