



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF LIBERAL STUDIES

UNIVERSITY ORDINARY EXAMINATION

2017/2018 ACADEMIC YEAR

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

CCS 303: ELECTRONIC ACCESS CONTROL

DURATION: 2 HOURS

DATE:

TIME:

Instructions to Candidates:

1. Answer **Question 1** 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 ONE - COMPULSORY

QUESTION ONE

- a) Write short notes on
 - (i) Access Control System (5 Marks)
 - (ii) Credential (5 Marks)
 - (iii) Controllers (5 Marks)
 - (iv) Readers (5 Marks)
 - (v) Rex Devices (5 Marks)
- b) Highlight 5 features that are put into consideration while evaluating Access Control Systems. (5 Marks)

SECTION TWO – ANSWER ANY TWO QUESTIONS

QUESTION TWO

- a) Using examples identify and explain various components of an electronic access control system. (20 Marks)

QUESTION THREE

- a) Highlight and explain different types of access control. (12 Marks)
- b) What are the possible functions of improvisation of access control system. (8 marks)

QUESTION FOUR

- a) In your own words, identify and distinguish the different types of electronic access control system. (20 Marks)
- b) Non automated physical attributes identification systems have long been the primary method of verifying the identity of person. Comment. (20 Marks)