



# **MURANG'A UNIVERSITY OF TECHNOLOGY**

## **SCHOOL OF BUSINESS AND ECONOMICS**

### **DEPARTMENT OF LIBERAL STUDIES**

#### **UNIVERSITY ORDINARY EXAMINATION**

**2017/2018 ACADEMIC YEAR**

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

**CCS 302: EMERGENCY MANAGEMENT**

**DURATION: 2 HOURS**

**DATE: 8<sup>TH</sup> DECEMBER 2017**

**TIME: 2.00 P.M.- 4.00 P.M.**

#### **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) (i) Clearly define an emergency and state the agencies that are mostly involved in dealing with emergencies. (5 Marks)
- (ii) Differentiate with examples between technological and natural hazards. (5 Marks)
- b) (i) In an emergency communication system (ECS) what is meant by infrastructure – independent and infrastructure – dependent broadcast technologies. (5 Marks)
- (ii) Briefly describe the factors affecting collaboration and coordination in an emergency situation. (5 Marks)
- c) (i) Briefly explain the issues to consider for long term recovery after a major disaster. (5 Marks)
- (ii) Explain the five stages of executing an evacuation in case of a pending emergency. (5 Marks)

## **SECTION TWO – ANSWER ANY TWO QUESTIONS**

### **QUESTION TWO**

- a) With relevant examples, explain clearly the disaster management cycle as practiced in an emergency mitigation process. (10 Marks)
- b) A vulnerability assessment is a vital component of emergency planning. With examples, elaborate the elements of an emergency plan. (10 Marks)

### **QUESTION THREE**

- a) Discuss with examples the attributes of an emergency communication system. (10 Marks)
- b) What are the key challenges in a multi-agency collaboration during a larger scale emergency management process. (10 Marks)

#### **QUESTION FOUR**

- a) Elaborate clearly strategies that can be used in building community resilience to face emergencies (10 Marks)
- b) Discuss with examples the key issues to consider when designing an emergency evacuation plan. (10 Marks)

#### **QUESTION FIVE**

- a) With relevant examples, explain the main issues to consider when fundraising for emergencies. (10 Marks)
- b) Critically analyse the emergency management regime in Kenya. (10 Marks)