



# **MURANG'A UNIVERSITY OF TECHNOLOGY**

## **SCHOOL OF INFORMATION TECHNOLOGY**

### **DEPARTMENT OF INFORMATION TECHNOLOGY**

#### **UNIVERSITY ORDINARY EXAMINATION**

**2020/2021 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR, BACHELOR OF  
SCIENCE IN ENTREPRENEURSHIP**

**UNIT CODE: SIT 400**

**UNIT TITLE: MANAGEMENT INFORMATION SYSTEM  
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) Define the following terms:
  - i. Information system
  - ii. Organisation
  - iii. Systems environment
  - iv. Feedback (4marks)
- b) Briefly describe the main components of computer based information system. (7marks)
- c) The directors of wells materials are planning to hire managers, list five roles of managers in an organisation. (5marks)
- d) Explain with aid of a diagram the process of decision making. (5marks)
- e) Outline and explain five challenges of developing a management information system. (5marks)
- f) Using a diagram explain the relationship among different types of information systems. (4marks)

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

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

- a) Discuss the stages of the information system development. (10marks)
- b) List any four features that all organisation have in common. (4marks)
- c) Outline six characteristics of a decision support systems (DSS). (6marks)

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

- a) List and explain two types of processing for a transaction processing system. (4marks)
- b) Discuss the major business functions in relation to information systems. (10marks)
- c) Explain the strategy that an organisation can implement to gain competitive edge. (6marks)

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

- a) Explain briefly the following types of information systems;
  - i. Transaction processing system
  - ii. Decision support system
  - iii. Executive support system. (9marks)
- b) A well-known telecommunications company wants to invest in information systems. Explain how it would benefit from such. (8marks)
- c) Differentiate between structured and unstructured decisions. (3marks)