



(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DIPLOMA

OF

INFORMATION TECHNOLOGY

COURSE CODE: DIT 080

COURSE TITLE: MANAGEMENT INFORMATION SYSTEM

DATE: 22/04/2022

TIME: 8:00 - 10:00AM

INSTRUCTIONS TO CANDIDATES

Question ONE (1) is compulsory

Answer any other TWO Questions.

TIME: 1 HOUR 30 MINUTES

MMUST observes ZERO tolerance to examination cheating



SECTION A

QUESTION ONE [24 MARKS]

- a) Define the term Management Information System. [2 marks]
- b) List any **FIVE** characteristics of a Decision Support System. [5 marks]
- c) There are **TWO** major aspects of information system security. Name and briefly explain these aspects. [6 marks]
- d) What is an Information Systems Architecture? How is it beneficial to managers in organizations? [5 marks]
- e) With examples discuss the application of Transaction Processing System. [6 marks]

SECTION B –Answer any two questions in this section

QUESTION TWO (18 MARK)

A typical organization has several information systems, with each supporting a specific organizational level. One of these information systems is an Executive Support System.

- a. Define an Executive Support System (2 marks)
- b. List and explain any **THREE** features of an ESS (6 marks)
- c. As an IT expert you have been requested to develop an ESS system for your organization. Discuss the factors you will consider in the development of this system (10 Marks)

QUESTION THREE [18 MARKS]

- a. Define information system security. [2 Marks]
- b. Differentiate between security and control [6 Marks]
- c. Discuss any **FIVE** major issues faced by Information Technology. [10 Marks]

QUESTION FOUR [18 MARKS]

- a) Define system development life cycle and state its application [3 marks]
- b) Discuss **FIVE** advantages and **FIVE** disadvantages of Prototyping model. [10 marks]
- c) List the factors to consider while choosing a software development methodology (5 marks)

QUESTION FIVE [18 MARKS]

- a. Discuss the FIVE main uses of information by businesses and other organizations. (10 Marks)
- b. Enterprise applications are specifically designed for the sole purpose of promoting the needs and objectives of the organizations. Discuss Five services provided by Enterprise Application(10 Marks)