MACHAKOS UNIVERSITY

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

DIPLOMA IN ACCOUNTANCY

MODULE 1

UNIT: MANAGEMENT INFORMATION SYSTEM

END OF TERM EXAMINATION

APRIL 2019

TIME GIVEN: TWO HOURS

INSTRUCTIONS TO THE CANDIDATES:

1. You should have the following for this examination:-
   - Answer booklet
2. Answer four of the six questions in this question paper.
3. All the questions carry 15 marks

This paper consists of four printed pages

Candidates should check the question paper to ensure that all the pages are printed as indicated and that no questions are missing

Question One

a. Define each of the following terms as used in MIS.
   i.   Information systems   **(2 marks)**
   ii.   System   **(2 marks)**
   iii. Word processing   **(2 marks)**
   iv.   Spread sheets   **(2 marks)**

b. Discuss *four* types of Information Systems used in organizations.   **(8 marks)**

c. Outline four benefits of using database systems as tools for data storage compared to traditional filing systems.   (**4 marks**)

Question Two

a. Explain *three* characteristics of quality information.   **(6 marks)**

b. Differentiate between *law* and *ethics* as used in information systems.   **(4 marks)**

c. Explain any three levels of decision that can be made by various management levels of an organization.   **(6 marks)**

d. Outline four types of computer networks.   **(4 marks)**

Question Three

a. Discuss three administrative system controls that an organization may apply on its computing use to mitigate information system security threats.   **(6 marks)**

b. Outline three benefits of information systems and how they are transforming organizations and management   **(6 marks)**

c. Outline four possible causes for information system project failure as experienced during MIS implementation.   **(4 marks)**

d. Differentiate between *hardware* and *software* resources of information system.

                                                                (4 marks)

Question Four

a. Discuss *three* challenges faced by organizations during implementation of Information Systems.   **(6 marks)**

b. Explain the following terms as used in MIS.   **(6 marks)**

   i.   System Acquisition

   ii.   Project management

   iii. Pilot run implementation

c. Describe *four* factors to consider in choosing a data processing mode.   **(8 marks)**

Question Five

a. Explain **four** factors an organization should consider when purchasing computer hardware. **(8 marks)**

b. Mali Yao enterprises are on a mission to acquire new information systems. Explain three **factors** that they should have into consider while selecting the systems. **(6 marks)**

c. Before the commencement of any Information System development, it is highly important that an organization must conduct a feasibility study. Explain *three* types of feasibility that are likely to be carried out by the system developers. **(6 marks)**

Question Six

a. With the aid of a well labelled diagram, draw a block diagram of digital computer system. **(6 marks)**

b. Explain *four* functions of Operating Systems as used in MIS. **(8 marks)**

c. Explain three characteristics of a system as used in MIS. **(6 Marks)**

The End