



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

DIPLOMA IN ACCOUNTANCY

MANAGEMENT INFORMATION SYSTEM

DATE: 17/4/2019

TIME: 8.30-11.30 AM

INSTRUCTIONS

1. Answer four of the six questions in this question paper.
2. All the questions carry 20 marks

QUESTION ONE (20 MARKS)

- a) Define each of the following terms as used in MIS.
- i. Information systems (2 marks)
 - ii. System (2 marks)
 - iii. Information System security (2 marks)
 - iv. System Design (2 marks)
- b) Discuss *four* types of Information Systems used in organizations. (8 marks)
- c) Differentiate between data and Information as used in computers. (4 marks)

QUESTION TWO (20 MARKS)

- a) Explain *three* characteristics of quality information. (6 marks)
- b) Differentiate between *law* and *ethics* as used in information systems. (4 marks)
- c) Using a well labeled diagram,
- i. Illustrate the levels of management found in any organization.
 - ii. Describe the characteristics of the types of decisions made in each level of management found in question Two (c) above. (10 marks)

QUESTION THREE (20 MARKS)

- 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 resources* and software resources of information system. (4 marks)

QUESTION FOUR (20 MARKS)

- 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 (20 MARKS)

- a) Explain **four** factors an organization should consider when purchasing computer hardware. (8 marks)
- b) Propose three factors an organization must consider while selecting software for information system. (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 (20 MARKS)

- a) Discuss the importance of information systems and how they are transforming organizations and management (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)