



MACHAKOS UNIVERSITY

University Examinations for 2022/2023

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF COMMERCE

BMS 400: MANAGEMENT INFORMATION SYSTEMS

DATE:

TIME:

INSTRUCTIONS

Answer Question ONE and other TWO Questions

QUESTION ONE (COMPULSORY -30 MARKS)

- a) Define the following terms as used in Management Information Systems: (3 marks)
- Information system
 - Enterprise Resource Planning (ERP) system
 - Data warehouse
- b) Outline **THREE** possible causes of information system project failure that may be experienced during MIS implementation. (3 marks)
- c) Differentiate between efficiency and effectiveness as used in information systems. (4 marks)
- d) Discuss **TWO** salient features of an organization. (4 marks)
- e) Explain **TWO** feasibility studies you would carry out when developing an information system. (4 marks)
- f) Describe the concept of *system theory* and its relevance to a modern organization (4 marks)
- g) Explain any TWO emerging trends in computing, giving examples in each case. (4 marks)
- h) Differentiate between the following sets of terms as used in MIS (4 marks)
- Intranet and extranet
 - Information and data

QUESTION TWO (20 MARKS)

- a) Briefly explain SIX characteristics of quality information. (6 marks)
- b) Discuss ethical, social, and political issues information systems use raises. (6 marks)
- c) Information technology is an enabler of general business objectives. Discuss. (8 marks)

QUESTION THREE (20 MARKS)

- a) Demonstrate how information systems help business use core competences to achieve competitive advantage. (6 marks)
- b) The university wishes to replace the current system with a new one. Discuss **FOUR** conversion strategies that could be used when introducing a new information system. (8 marks)
- c) Explain **THREE** advantages of using DBMS over traditional databases (6 marks)

QUESTION FOUR (20 MARKS)

- a) With the aid of a diagram, describe the components of an information system. (6 marks)
- b) You have been hired as part of a team of experts tasked with acquiring an Information System for an organization. Analysis of the organization's capability reveals that in-house development would be the most ideal approach. Justify with **FOUR** reasons why your team would recommend this method to the management. (8 marks)
- c) Discuss main features of E-commerce (6 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss **FOUR** types of information systems, clearly indicating the level of the organization that each system serves. (8 marks)
- b) Discuss **SIX** principles of conduct that can be used to guide ethical decisions when using information systems. (12 marks)