



TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY,

BSDS/SEP2015/J-FT, BSSC/SEP2013/J-FT

BIT-2119/EIT-4120/EIT-4425: MANAGEMENT INFORMATION SYSTEMS

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2HOURS

DATE: Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

- a) Define the term “management information systems” [2 marks]
- b) Briefly explain THREE categories of managers (3marks)
- b) Explain how computerized information systems help the different categories of managers identified in above. (3marks)
- c) Define the following terms as used in management information systems. (5 marks)
 - a. Networked enterprise
 - b. Computer based information systems.
 - c. Management information systems.
 - d. Organization-
 - e. Artificial intelligence.
- d) Explain THREE ways to secure information and data in information systems. (3marks)
- e) Discuss FIVE disciplinary foundations of management information systems. (5marks)
- f) differentiate between strategic level and strategic information systems (2 marks)

- g) Discuss how the university can gain competitive advantage by the use of information systems (7 Marks)

Question TWO

- a. What are the most important data management difficulties facing organizations today? [5 Marks].
- b. In which specific five ways does Strategic Information Strategy (SIS) contribute to competitive advantages of a business enterprise? [5 Marks]
- c. With the Penetration of Computer in Business Society, Information System has got a new meaning, explain. (6 marks)
- d. How Does IT Contribute to Strategic Management? [4Marks]

Question THREE.

- a) With reasons explain why organizations are investing large amounts of money in acquiring the state of the art information systems to run their affairs. (10marks)
- b) Information systems and internet technology have made e-commerce, e-government and e-business possible. Briefly explain the above terms. (6 marks)
- c) Information systems operate on a platform also known as information technology infrastructure. Identify and explain FOUR component of the information technology [4 Marks]

QUESTION FOUR.

- a. Define the concept of competitive advantage [2 marks]
- b. By use of information systems, illustrate how the university can gain competitive advantage. [8 marks]
- c. In your day to day activities within the university, and as a student of management information systems you must have noted the potential in information systems that can be used to transform the way activities are conducted. With relevant examples explain in details the benefits that the university can have in implementing web based information systems. [10marks]

QUESTION FIVE

- a. Explain how use of Management information systems can lead to success business. [5 marks]
- b. List three management challenges of information systems [3 marks]
- c. State five applications of Management information systems. [5 marks]
- d. Identify five activities of an information system [5 marks]
- e. How Does IT Contribute to Strategic Management? [2 Marks]