



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (MATHEMATICS)

SCO 408: INFORMATION SYSTEMS MANAGEMENT

DATE: 7/5/2019

TIME: 2.00-4.00 PM

INSTRUCTIONS

Answer **question ONE** and **any other TWO** questions.

QUESTION ONE (30 MARKS) (COMPULSORY)

- a)
 - i Give three advantages of computers in business today. (6 marks)
 - ii Give two examples each of input and output devices (4 marks)
- b)
 - i What is data processing? (2 marks)
 - ii Describe the work of the CPU (3 marks)
- c)
 - i Name and explain three humanistic factors that pose a challenge in development of management information systems. (6 marks)
 - ii Differentiate between primary memory and secondary memory. Give examples (5 marks)
 - iii Differentiate between System Software and Application Software? (4 marks)

QUESTION TWO (20 MARKS)

- a)
 - i Name three types of management information systems. (3 marks)
 - ii Explain the difference between Read Only Memory (ROM) and Random Access Memory (RAM) (2 marks)

- iii Differentiate between information and knowledge. (2 marks)
- b) i Differentiate between electronic and manual data processing. Give examples of each (8 marks)
- ii explain what we mean by the word 'Operating System' and give four examples of the same. (5 marks)

QUESTION THREE (20 MARKS)

- a) i) Describe the Stages found in Data Processing Cycle (5 marks)
- ii) Outline two differences between information technology and information communication (4 marks)
- iii) Define computer virus? Explain how it works. (5 marks)
- b) Explain the role of management information system in any organization. (6 marks)

QUESTION FOUR (20 MARKS)

- a) i What is data processing system? (3 marks)
- ii What are the current opportunities for using the Internet in business today? (6 marks)
- iii What is internet? (2 marks)
- b) i Name and explain three Types of data processing systems. (6 marks)
- ii Explain the meaning of 'hanging indent' as used in MS Word. (3 marks)

QUESTION FIVE (20 MARKS)

- a) What is data as used in MIS? (2 marks)
- b) What are the essentials of data communication (4 marks)
- c) Explain the different kinds of Information System that are found in an organization basing your argument on the four level pyramid model. (8 marks)
- d) List and explain the four software and hardware requirements needed for Management information systems. (6 marks)