JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

DEPARTMENT OF INFORMATION SYSTEMS AND TECHNOLOGY

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION

SCIENCE/ARTS/BBA/LOGISTICS

2nd YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR

KISUMU LEARNING CENTRE

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COURSE CODE: SCS 214

COURSE TITLE: MANAGEMENT INFORMATION SYSTEMS

EXAM VENUE: STREAM:

DATE: EXAM SESSION:

TIME: 2.00 HOURS

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INSTRUCTIONS:

1. **Answer Question 1 (Compulsory) and ANY other two questions.**
2. **Candidates are advised not to write on the question paper.**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room.**

QUESTION 1 [30 MARKS]

a. Compare the following terms:

i)   Information Systems and Information Technology   (2 marks)

ii)   Management Information System and Databases   (2 marks)

b. How can one use technology to help an organization to achieve strategic advantage of information systems.   (4 marks).

c. i) Name and briefly describe four types of Information Systems in any organization.

(8 marks)

d. Explain the following terms as used as Management functions :
      i. Processes   (1 mark)
      ii. Planning   (1 mark)
      iii. Organizing   (1 mark)
      iv. Staffing   (1mark)
      v. Controlling   (1 mark)

e. Ideally what is the role of information system in any organization?   (3 marks)

f. State and describe the three main levels of management in an organization (6 marks)

QUESTION 2 [20 MARKS]

a.   Describe the three Components of a System   (6 marks)

b.   Outline Characteristics of Good Information   (5 marks)

c.   Explain a system and describe the following systems: (1 marks)

      i. Dynamic System   (2 marks)

      ii. Cybernative System   (2 marks)

      iii. Open System   (2marks)

      iv. Adoptive System   (2 marks)

QUESTION 3 [20 MARKS]

a. What is the difference between Data and Information and why must data be processed into information?   (4 marks)

b. Describe Network and devices used as a support for the operations in communicating data   (10 marks)

c. Describe the three types of Information systems   (6 marks)

Question 4 [20 marks]

a. Identify six challenges to an organizations information systems

           (6 marks)

b. March the following phrases with corresponding levels: (6 marks)

    i. Strategic - Long Range Planning →Lower management

    ii. Operational – Day to day activities →Middle management

    iii. Tactical – short range planning →Top management

c. State and give brief description of the four types of information

           (8marks)

Question 5 [20 marks]

a. State and briefly describe the three types of information is needed in Human Resources Management.   (6 marks)

b. Compare manual data capturing automated one using computer terminals

           (6marks)

c. There is a class of systems known collectively as computer based information systems (CBIS). A few of them are abbreviated as follows:
    i. (TPS)
    ii. (MIS)
    iii. (DSS)
    vi. (OAS)
      Required, write the abbreviation of each to their full meanings

           (8 marks)