JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY,

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS.UNIVERSITY EXAMINATIONS FOR THE DIPLOMA IN BUSINESS ADMINISTRATION

.BUSIA LEARNING CENTRE

COURSE TITLE: INFORMATION TECHNOLOGY
COURSE CODE: SCS-2111
ACADEMIC YEAR 2016/2017   STREAM: DBA
EXAM VENUE:
DATE: APRIL 2016   TIME: 2 HOURS

Instructions:

Answer question one(compulsory)and any other two questions

Candidates are advised to not to write on the question paper

Candidates must hand in their answer booklets to the invigilator while in the examinations room

QUESTION ONE. (30 MARKS)

a) Define a computer system (2mks)

b) Name three things which are contained on the motherboard of a computer. (3 marks)

c) Explain what the four main sections of a computer are, and what they do. (8 marks)

d) Explain the following terms and provide an example of each type:

    i.   Batch processing (3 marks)

    ii.   Real time processing (3 marks)

    iii.   Transaction processing (3 marks)

    iv.   Interactive   processing
    (3 marks)

e) Name the following components in a computer system.

    i. A circuit board which connects most of the other devices on a computer. (1 mark)

    ii. It takes digital data from the computer system and turns it into visible images. (2mark)

    iii. It turns digital computer data into analogue audio signals. (2 mark)

QUESTION TWO (20 MARKS)

a) Describe the functions of each of the following: (10mks)

    i.   An output device

    ii.   An input device

    iii.   Memory

    iv.   Arithmetic/logic unit

    v.   Control unit

2b) What is meant by primary and secondary storage? (4mks)

2c) Explain why its necessary to have secondary storage facilities (6mks)

QUESTION THREE (20 MARKS)

Q3a) Name three programmes that can be classified as system programmes (3mks)

b) Name five programmes that can be classified as application programmes (5mks)

c) What is a peripheral device? (2mks)

d) Give five examples of peripheral devices (10mks)

QUESTION FOUR (20 MARKS)

    a) Describe the different types of display devices (5mks)

    b) Explain factors that affect the quality of a display device (5mks)

    c) Identify various types of storage media and storage devices used with computer systems (10mks)

QUESTION FIVE (20 MARKS)

a).Define a database (2marks)

b) What's a computer network (3marks)

c) Give examples of the types of networks available for data communications (8marks)

d) What do you understand by the term internet (3marks)

e) Discuss the types of threats in an information system environment (4marks)