



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

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COURSE TITLE: INFORMATION TECHNOLOGY

COURSE CODE: SCS-2111

ACADEMIC YEAR 2016/2017

STREAM: DBA

EXAM VENUE:

DATE: APRIL 2016

TIME: 2 HOURS

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**Instructions:**

Answer question one (compulsory) and any other two questions

Candidates are advised 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)