

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION 2013 / 2014**

**SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF EDUCATION:**  
**ARTS / SNE**

**KISII LEARNING CENTRE**

**DATE: DECEMBER 2013**

**DURATION: 2 HOURS**

**COURSE CODE: SCS 101**

**TITLE: INTRODUCTION TO COMPUTERS**

**Instructions:**

- i. Answer question one (Compulsory ) and any other two questions
- ii. Write all your answers in the answer booklet provided

**QUESTION ONE (Compulsory 30 marks)**

- a. Define the following terms as used in computing (6 marks)
  - i. Computer
  - ii. Hardware
  - iii. Software
- b. Outline the various forms of information that can be processed by a computer (5 marks)
- c. iii. Explain five uses of a computer (5 marks)
- d. Explain three advantages and three disadvantages of computer use (6 marks)
- e. i. What is a word processor (2 marks)  
ii. List three word processors (3 marks)
- f. State three types of computers classified according to Size (3 marks)

**QUESTION TWO**

- a. Diagrammatically discuss a computer system under the following headings: (12 marks)
  - i. Functional/ logical parts of computer system
  - ii. Physical parts of a computer system
- b. Explain the following modes of operating system (8 marks)
  - i. Real-time
  - ii. Multi-user
  - iii. Distributed system
  - iv. Embedded

**QUESTION THREE**

- a. List three advantages and three disadvantages of Using a Word Processor (6 marks)
- b. Explain the following terms as used in word processing (6 marks)

- i. Word wrap
  - ii. Page numbering
  - iii. Sort and filter
- c. Define CPU and discuss the parts of a CPU (6 marks)
- b. Differentiate between computer hardware and software (2 marks)

#### **QUESTION FOUR**

- a. Define computer software and discuss the four broad categories of computer software giving one example for each category (10 marks)
- b. Outline the storage capacities as used in computer systems (4 marks)
- c. Explain the following system softwares (6 marks)
- i. device drivers
  - ii. operating systems
  - iii. utilities, and

#### **QUESTION FIVE**

- a. Outline four functions of operating systems (4 marks)
- b. Explain three types of application software stating an example for each (6 marks)
- c. Explain the following computer technologies (6 marks)
- i. Analog Computers
  - ii. Digital Computers
  - iii. Hybrid Computers
- d. State two alignment methods used in a word document (2 marks)
- e. Explain the following terms as used in word processing (2 marks)
- i. word wrap
  - ii. print