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