



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS: 2013/2014**

**SCHOOL OF BUSINESS AND ECONOMICS**

**SCS 101: INTRODUCTION TO COMPUTERS**

**MAIN CAMPUS**

**DATE: AUGUST 2013**

**TIME: 2 HOURS**

**DURATION: 2 HOURS**

## **INSTRUCTIONS:**

- 1. This paper contains FIVE questions**
- 2. Answer Question one(Compulsory) and any other two questions**
- 3. Write all answers in the book let provided**

**QUESTION ONE 30marks**

INSTRUCTIONS: Answer all the multiple choice questions below by entering the capital letter of the corresponding answer on the answer booklet provided.

01. All of the following are operations in the information processing cycle except \_\_\_\_\_.

- A. input and output
- B. communication
- C. process
- D. storage

02. The central processing unit (CPU) \_\_\_\_\_.

- A. contains the electronic circuits that cause processing to occur
- B. make the information resulting from processing available for use
- C. allows data, programs, commands, and user responses to be entered into a computer
- D. consists of electronic components that store data

03. Memory, also called random access memory, or RAM, \_\_\_\_\_.

- A. contains the electronic circuits that cause processing to occur
- B. makes the information resulting from processing available for use
- C. allows data, programs, commands, and user responses to be entered into a computer
- D. consists of electronic components that store data

04. Output devices \_\_\_\_\_.

- A. contain the electronic circuits that cause processing to occur
- B. make the information resulting from processing available for use
- C. allow data, programs, commands, and user responses to be entered into a computer

D. consist of electronic components that store data

05A type of impact printer used with personal computers is the \_\_\_\_\_ printer.

- A. ink-jet
- B. laser
- C. dot matrix
- D. all of the above

06. Two types of auxiliary storage devices more often used on personal computers are \_\_\_\_\_.

- A. keyboards and scanners
- B. floppy disks and hard disks
- C. monitors and printers
- D. control units and arithmetic logic units

07. Software can be categorized into two types: \_\_\_\_\_.

- A. word processing software and spreadsheet software
- B. database software and presentation graphics software
- C. system software and application software
- D. desktop publishing software and communications software

08. Instructions in the \_\_\_\_\_ tell the computer how to perform the functions of loading, storing, and executing an application program and how to transfer data.

- A. system software
- B. operating system
- C. graphical user interface
- D. application software

09 People around the world are making use of the Internet to \_\_\_\_\_.

- A. send messages to other users
- B. access a wealth of information
- C. shop for goods and services

D. all of the above

10.A \_\_\_\_\_ is a document that contains text, graphics, sound, and/or video, and has built-in connections, or hyperlinks, to other Web documents.

A. Web server

B. Web page

C. Web site

D. Web browser

11. Before buying a computer system, the purchaser should do some research on the\_\_.

A. size and types of memory (RAM) and storage

B. software included with the system

C. speed of the processor

D. all of the above

12. People who use computers directly or use the information they provide are called \_\_\_\_\_.

A. operators

B. programmers

C. hackers

D. users

13. \_\_\_\_\_ is the time it takes to locate and retrieve data.

A. Processing time

B. Access time

C. Mega Hertz

D. Millisecond

14. One billion bytes are called a \_\_\_\_\_.

A. kilobyte

B. megabyte

C. gigabyte

D. zigabyte

15. The process of loading the operating system into memory when a computer is powered on is called \_\_\_\_\_.

- A. loading
- B. initializing
- C. booting
- D. starting

**Question 2 20 marks**

a) Siaya County Government is planning to buy and network its computers with a provision of centralized access to its data resources. As an employee with knowledge on computers, describe what needs to be done to lay down the infrastructure and operationalize it.

{10 marks}

b) The characteristics of computers are speed, accuracy, diligence, versatility and storage.

Discuss

{5 marks}

c) Differentiate between primary and secondary memory in a computer. What is the function and the measuring unit for describing computer memory

{5 marks}

**Question 3 20 marks**

a) Discuss how the use of computers and internet has impacted on society

{10 marks}

b) Computers can be categorized in several ways, discuss this categorization using size

{5 marks}

c) In the table provided below, List any five tasks one can perform with the mouse and has a corresponding keyboard shortcut

{5 marks}

No.	Task performed by Mouse	Keyboard Shortcut
1.		
2.		
3.		
4.		
5.		

**Question 4 20 marks**

a) What is an operating system? Discuss the functions of an operating system in a computer  
{10 marks}

b) Application programs assist users to undertake their day to day tasks. List five categories of application programs and in each case indicate what it is used for giving an example in each case  
{10 marks}

**Question 5 20 marks**

a) What is a distributed computing system. {2 marks}

b) Computer networks are designed into various topologies. Discuss four topologies indicate where each topology is best suited to operate. {8 marks}

c) What is cloud computing?. Discuss at least FOUR cloud computing applications existing in the market place today. Hint: platform by safaricom to store customers contact {10 marks}