

STREAM: Y1S1

TIME: 2HRS

EXAMINATION SESSION: DEC

DATE: 5/122016

INSTRUCTIONS

- Instructions to candidates: Answer **QUESTION ONE** and any other **TWO** questions

QUESTION (30 MARKS)

- a) Define the following computer terms
- i. Computer. (2mks)
 - ii. Computer hardware. (2mks)
 - iii. Computer software. (2mks)
 - iv. Computer memory. (2mks)
- b) Differentiate between system software and an application software giving examples in each case. (4mks)
- c) An organization which has been using manual based system in handling its business transactions has decided to introduce a computerized system so as to respond to the market forces. On your own thinking state two **advantages** and two **disadvantages** the organization will be facing. (6 mks)
-

- d) Identify three computer input devices and state their core functions. (3mks)
- e) Identify three computer output devices and state their core functions. (3mks)
- f) State three functions of the computer CPU. (3 mks)
- g) What is R.A.M. (3mks)

QUESTION 2 (20MARKS)

- a) Define the term “operating system” (2mks)
- b) Name **three** operating systems in the market today. (3mks)
- c) The figure below shows the desktop of a computer, this is where the booting of a computer ends.
 - i. What do you understand by the term “booting” (2mks)
 - ii. Differentiate between **cold booting** and **worm booting** a computer. (4mks)
 - iii. Identify the names of the parts labeled **a,b,c** and **d** on the figure below (4mks)



- d) The work of an operating system is to enable the hardware of the computer to work well with the software. Discuss briefly **creating a folder** on the desktop. (5mks)



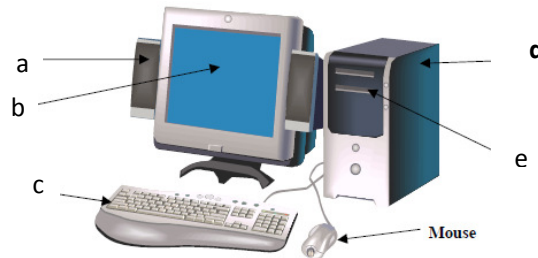
QUESTION 3 (20 MARKS)

a) What is a computer? (3Marks)

Distinguish the following terms.

- i. Automatic
- ii. Re-programmable

b) Complete the diagram with the correct names of the parts of a computer. (5mks)



c) What is a **Data cables**? (1Marks)

d) Distinguish briefly between **Peer-to-peer networks** and **Client/server networks** (2 mks)

e) Discuss any 3 components of computer. (3Marks)

f) What are the function of the following keyboard keys: (6 mks)

- i. Enter
- ii. Backspace
- iii. Spacebar

QUESTION 4 (20 MARKS)

a) What are any two classifications of computers? (2mks)

b) Outline any five benefits of computers. (5mks)

c) With examples discuss INPUT and OUTPUT devices. (6mks)

d) They are many types of computers, list any 3. (3mks)

e) Name any two common Network Operating Systems(NOS) (2Mks)

f) What does the acronym ICT stand for? (2mks)

QUESTION 5 20 MARKS)

- a) The computer accessories found on the ALL PROGRAMS part of the desktop are essential for the working of the operating system, state the functions of: (6mks)
- i. Calculator.
 - ii. Notepad.
 - iii. Paint.
- b) State two **advantages** and two **disadvantages** of a computer as an electronic machine (4mks)
- c) One has to make a number of considerations before purchasing any given computer. State any 4 considerations you have to make before purchasing a personal computer. (4mks)
- d) Differentiate between the following computer terms (10mks)
- i. Firmware and Orgware
 - ii. Input and output
 - iii. Mainframe computers and minicomputers
 - iv. Data and Information
-