TANZANIA FEZA SCHOOLS

NAME 1-2-3	MARKS
ADMISSION NUMBER	

DATE	QUARTER	EXAM	CLASS	SUBJECT
01ST NOVEMBER, 2016	4	ANNUAL	F-1	ICT
TIME	TEACHER(S)			
2 HOURS	MR. MWESIGWA (FB) –MADAM TALHA (FG)			

QUESTION NUMBER	QUESTION CHOSEN: PUT A TICK (√)	FOR EXAMINER'S USE ONLY	
		MARKS	EXAMINER'S SIGNATURE
1.			

INSTRUCTIONS:

1. This paper consists of Section A, B and C.
2. Answer **ALL** question in the answer sheets provided.

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SECTION A (40 MARKS)

1) Choose the most correct answer for each of the following questions and write its letter in the box space provide. [20 marks]

i. Data is (1 point)
a) Information put into the computer.
b) Information that is output of a program.
c) Both a and b
d) Neither a nor b

ii. The two main units of the processor are the:
a) Primary storage and arithmetic-logic units.
b) Arithmetic-logic and control units.
c) Control and primary storage units.
d) Arithmetic/storage and control units.

iii. The processor in a computer:

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a) Stores all program statements until they are needed.
b) Stores all data to be processed until it is needed.
c) Analyzes each program instruction.
d) Prints reports for the user.

iv. Second generation computers used

a) integrated circuits
b) integrated circuits chips
c) vacuum tubes
d) transistors

v. A program will only run if it is first placed into:

a. The printer.
b. RAM.
c. ROM.
d. None of the above.

vi. When a computer is used to send messages over the network to other people, the process is called:

a) Word processing.
b) Quotation processing.
c) Message forwarding.
d) Electronic mail.

vii. The first electronic digital computer was invented in the...?

a) 1920s
b) 1940s
c) 1960s
d) 1980s

viii. Which of the following is *not* executed by the BIOS?

a) Memory test
b) Load application software
c) Print a test page on the printer
d) Load the operating system

ix. Which of the following computers is intended to support the smallest number of users?

a) Microcomputer
b) Supercomputer
c) Minicomputer
d) Mainframe

x. Pick the one that is used for logical operations or comparisons such as less than equal to or greater than.

a) Arithmetic and Logic Unit
b) Control Unit
c) Both of above
d) None of above

xi. **The difference between memory and storage is that memory is … and storage is …**

a) Permanent, temporary
b) Temporary, permanent
c) Slow, fast
d) All of above

xii. **The most commonly used standard data code to represent alphabetical, numerical and punctuation characters used in electronic data processing system is called**

a) EBCDIC
b) BCD
c) ASCII
d) All of above

A) Different components in the motherboard of a PC unit are linked together by sets of parallel electrical conducting lines. What are these lines called?

a) Conductors
b) Buses
c) Connectors
d) Consecutives

xiii. **Approximately how many bytes make one Megabyte?**

a) One Thousand
b) One Million
c) Ten Thousand
d) One Hundred

xiv. **DOS stands for?**

a) Dual Organized System
b) Dual Operating System
c) Disk Organized System
d) Disk Operating System

xv. **The capacity of your hard drive is measured in**

a) MHz
b) Mbps
c) Gigabytes
d) 52X

xvi. **Physical components that make up your computer are known as:**

a) Hardware
b) Operating Systems
c) Web Browsers
d) Software

xvii. **What does RAM stand for?**

a) Random Authorization Mechanism

b) Random Access Memory
c) Readily Accessed Mailer
d) Remote Authorization Mechanism

xviii. Which of the following is an operating system you would be using on the computer?

a) Netscape
b) Microsoft Word
c) Microsoft Windows
d) Internet Explorer

xix. Which of the following are bulky, slow and suffered with heat and maintenance problems?

a) Transistors
b) Radios
c) Vacuum tubes
d) Integrated circuits

2. Choose an item/word from **COLUMN B** that matches a description in **COLUMN A**. Write only the letter (i – X) next to the question number in the ANSWER SHEET (10 Marks)

COLUMN A	COLUMN B
i) This is an application which display all the computers connected in network with our computer.	A. The Status Bar
ii) On the bottom and right edges of a window. They are used to pan across the information in the window, when we have information which won't fit into the window.	B. Scroll Bars
iii) The on-screen work area on which Windows, Icons, menus & dialog boxes appear	C. Tool bar
iv) Appears at the very bottom of the window and provides such information as the cursor position, current page number, the number of words in the document etc.	D. Taskbar
v) Contains a set of buttons for frequently used commands.	E. Menu bar
vi) The rectangular bar that runs horizontally across the bottom of the screen. Has the START menu on the left & the Notification area on the right.	F. Network Neighborhood
vii) Displays a list of commands that can be used to perform various tasks.	G. Recycle bin
viii) This is a folder that stores all the files & folders	H. Desktop

deleted from windows temporarily, which can be restored again if needed.	
ix) This is the default storage location for the files created in the windows.	I. Icons
x) It is a small image that represents a file, folder or program.	J. My Documents

ANSWERS

i	ii	iii	iv	v	vi	vii	viii	ix	x

3. Write T for a correct statement and F for a statement that is not correct.[10 marks]

i. The word bit is the short form of Binary Digit _____.
ii. Restarting a computer is called Soft booting _____
iii. Primary memory is usually referred to as RAM _____
iv. ROM is a non volatile memory_____
v. DOS is an example of GUI _____
vi. The bits can have only 2 values _____
vii. The word "FORM 1" has five bytes. _____
viii. Operating system acts as an interface between user and the hardware. _____
ix. A group of 4 bits known as Word _____
x. A group of 8 bits is called a Nibble _____

SECTION B: (50 MARKS)

This section consists of 6 questions; Answer all.

4. Juma buys a second hand computer. The CPU has a 2 GHZ processor with 4GB RAM and 500GB HDD.

i. What does the following stand for? [3,@1]

a) CPU _____

b) HDD _____

c) RAM_____

ii. Explain the functions of the components of the CPU. [3]

_____

_____

_____

_____

iii. Describe primary and secondary storage devices in Juma`s computer and state what sizes they are; [4,@1]

_____

_____

_____

iv. The hard disk in Juma`s computer has lots of files from the previous owner. Juma formats the hard disk. Give one reason why he (Juma) formats the hard disk. [2]

_____

_____

v. What happens if we formatting the hard disk? [2]

_____

_____

_____

vi. Juma will install an operating system after formatting the hard disk. What is the purpose of an operating system? [2]

_____

_____

_____

vii. Name one example of Microsoft operating system Juma will need to install in his computer. [1]

_____

5. For each of the following, state whether the service is an input device, out device or storage device. [@1]

DEVICES	**INPUT/OUTPUT/STORAGE**
Flash disk	
Scanner	
Screen	
Bar code reader	
Floppy disk	
Plotter	
keypad	

6. Explain the importance of using the following power management devices [9,@3]

i. UPS

ii. Surge protector

iii. Voltage stabilizer

7.

i. Define utility programs [2]

ii. List FOUR examples of utility programs [2,@0.5]

8. State FIVE examples early computing devices [5, @1]

9. Describe four types of computers according to physical size. [8,@2]

_____

_____

SECTION C: ESSAY QUESTION (10 MARKS)

10. Draw computer block diagram and explain the function of each part from the diagram.