THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

036/1 **INFORMATION AND COMPUTER STUDIES 1**

(For Both School and Private Candidates)

Time: 3 Hours **Friday, 16th November 2018 p.m.**

Instructions

1. This paper consists of sections A, B and C with a total of **twelve (12)** questions.
2. Answer **all** questions in sections A and B and **two (2)** questions from section C.
3. Cellular phones and any unauthorised materials are **not** allowed in the examination room.
4. Write your **Examination Number** on every page of your answer booklet(s).

SECTION A (30 Marks)

Answer **all** questions in this section.

1. For each of the following items (i) - (x), choose the most correct answer among the given alternatives and write its letter beside the item number in the answer booklet provided.

(i) The end product of the computer processing is known as
A news
B input
C information
D data
E program

(ii) The increase of voltage above 110% of the normal voltage is called
A over voltage
B high voltage
C sag
D alternation
E surge

(iii) A computer hardware which uses laser light technology to write and read data from a disc is known as
A floppy disc drive
B hard disc drive
C compact disc drive
D flash disc drive
E Digital \versatile disc drive

(iv) The part of the computer which specifically does the logical operations is called
A Central processing Unit
B Logic and Control Unit
C Arithmetic and Logic Unit
D Arithmetic control unit
E Arithmetic and processing unit

(v) A software which is installed when a new hardware is connected to the computer system is called
A Utility program
B Operating system
C Firmware
D Driver
E Application software

(vi) The correct use of the web layout in Microsoft word is
A to view website
B to save Webpages
C to browse the internet
D to print a web documents
E to see a document in a web

(vii) Which of the following error in an excel is displayed due to invalid intersection of cells?
A #N/A
B #NUM!
C #NUL!
D #VALUE!
E #REF

(viii) A file system extension used by default when saving a new word document in MS word 2007 is
A .accdb
B .docx
C .doc
D .txt
E .xlsx

(ix) A type of topology which is more difficult to configure is called

A Bus
B Star
C Tree
D Ring
E Mesh

(x) Which one among the following set of factors distinguish primary and secondary storages of the computer?

A Speed, size and technology
B Size, technology and persistence
C Persistence, technology and speed
D Speed, size and persistence
E Speed, size and user friendliness

2. Match the functions of network devices in **List A** to the corresponding network device in **List B** by writing the letter of the correct response beside the item number in the answer booklet provided.

List A		List B	
(i)	A device that is used in twisted pair cable as terminator.	A	RJ45
(ii)	A device that connects computers in the network and relay signals from one computer to another.	B	Antennae
(iii)	A device that connects two nodes point to point as if they were linked by a direct cable between them.	C	Bridge
(iv)	A device that converts signals from analog to digital and vice versa.	D	RJ terminator
(v)	A device that creates a physical link between the computers and the transmission media.	E	RJ40
(vi)	A device that handles distortion from signals before sending them to another segment.	F	Gateway
(vii)	A device used to connect different networks.	G	Hub
(viii)	A device that can be configured to provide access to wide area network.	H	Modem
(ix)	A device that selectively determine the appropriate segment for which a message is meant for delivery through address filtering.	I	NIC
(x)	An instrument with wireless hardware for detecting signals in the surrounding.	J	Repeater
		K	Router
		L	Switch
		M	Terminator

3. In the following items, write **True** for a correct statement or **False** for incorrect statement.

(i) Both ROM and RAM are Volatile. _____

(ii) The CPU carries out all instruction executions. _____

(iii) Hypermedia is **not** a subset of multimedia. _____

(iv) Notepad provides the basic standard for creating Webpages. _____

(v) Presentation software is very difficult to learn how to use. _____

(vi) It is possible to insert an image in a HTML document using tags. _____

(vii) Video is a powerful tool in presentations. _____

(viii) A byte is a pattern of bits sufficiency to store a character. _____

(ix) Pasteboard is a small blank space surrounding the printable area where objects are designed or edited. _____

(x) A JPEG is a standard for the storage and transfer of images that uses image compression techniques to minimize storage size. _____

SECTION B (50 Marks)

Answer **all** questions in this section.

4. A businessman investigated the possible income from his collections. He typed information into the following spreadsheet:

	A	B	C	D	E	F
1		INCOME			EXPENSE	
2		Quantity	Per Unit	Product	Containers	
3	Bottles	589	0.45	265.05	4.5	
4	Paper kg	250	1	250	3.25	
5	Cans	12367	0.05	#VALUE!	10.00	
6	Others	1221212	30	##########	5.00	
7	Total				18.25	
8						
9						

(a) (i) Write the feature(s) used in row 1 to make the text appear as a single cell in columns A – D. **(1 mark)**

(ii) Give the feature(s) used in cell C2. **(1 mark)**

(iii) Give the description of the error message appeared in cell D5 and write the correct function which required to give the valid result. **(3 marks)**

(iv) Why is the answer in cell D6 not displayed correctly? **(1 mark)**

(b) Describe any two special features of the spreadsheet program. **(2 marks)**

5. (a) Give the long form of the term "internet" and give its purpose. **(2 marks)**

(b) Describe four advantages of using internet. **(4 marks)**

(c) Identify three basic elements considered when composing an e-mail. **(3 marks)**

6. (a) Describe five resources managed by an Operating System. **(5 marks)**

(b) Mention procedures that could be performed for the following operations:

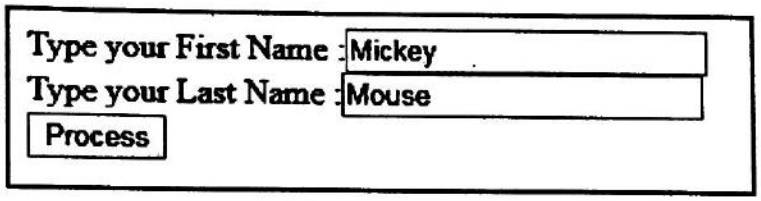
(i) Restore deleted files to their original locations.

(ii) Move multiple files or folders from one drive to another. **(3 marks)**

7. (a) Why HTML page can run on any Operating System? **(2 marks)**

(b) Mention two significances of HTML form. **(2 marks)**

(c) Write the HTML codes which will display the following output on a web browser.



(5 marks)

8. (a) Write the function of standard toolbar. **(1 mark)**

(b) Mention six parts of the Microsoft word application window. **(3 marks)**

(c) Explain two methods of proofreading a document prepared in Microsoft word. **(4 marks)**

9. (a) Explain two advantages of using Desktop Publishing (DTP) over word processor. **(4 marks)**

(b) You are asked to prepare a school identification card by using a computer; give other two hardware and two software needed to complete your work. **(2 marks)**

(c) Write steps required to create basic shape in PageMaker. **(2 marks)**

SECTION C (20 Marks)

Answer **two (2)** questions from this section.

10. Describe five types of database model according to their data organisations. **(10 marks)**

11. (a) Describe four roles of Information and Communication Technology in the society.
    (b) Explain two effects for disposing electronic equipment to the environments. **(10 marks)**

12. Explain five advantages of Internet in the society. **(10 marks)**