FT17PREP

Candidate's Examination Number.....

THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL
FORM TWO NATIONAL ASSESSMENT

036 INFORMATION AND COMPUTER STUDIES

Time: 2:30 Hours **Thursday, 23rd November 2017 p.m.**

Instructions

1. This paper consists of sections A, B and C with a total of **ten (10)** questions.
2. Answer **all** questions.
3. Write your answers in the spaces provided.
4. **All** answers must be written in **black** or **blue** ink.
5. Cellular phones and calculators are **not** allowed in the examination room.
6. Write your **Examination Number** at the top right corner of every page.

FOR EXAMINER'S USE ONLY		
QUESTION NUMBER	**SCORE**	**EXAMINER'S INITIALS**
1		
2		
3		
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6		
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10		
TOTAL		

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SECTION A (20 Marks)

Answer **all** questions in this section.

1. For each of the following items (i-x), choose the correct answer and write its letter in the box provided.

(i) Unprocessed facts being stored electronically in files are identified as

A documents
B data
C information
D information dissemination

(ii) Multimedia ability is used to determine the best source of

A data
B information
C video
D graphics

(iii) Which one the following media can be erased and rewritten more than once?

A CD-R
B DVD-ROM
C CD-ROM
D CD-RW

(iv) The operating system which does **not** support multitasking is known as

A Windows 98
B Linux
C DOS
D Windows NT

(v) An inbuilt predefined formulae that the user can quickly use when a calculation has to be carried out is called

A function
B value
C labels
D formula

(vi) The feature of the word processor that enables users to find alternative vocabulary or words with similar meaning (synonyms) is called

A find command
B thesaurus
C proofreading
D autocorrect

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(vii) The strategy that can prevent a computer from being infected by virus is

A use of virus scanning program
B use of pirated software
C switching off computers that are not in use
D open emails coming from questionable sources

(viii) Small electronic devices that were used to transfer electronic signals in second generation computers are known as

A Transistors
B Thermion valves or vacuum tubes
C Integrated circuit
D Very Large Scale Integration (VLSI)

(ix) Which of the following is used to specify a cell in a worksheet?

A Column
B Row
C Row or column
D Row and column

(x) Which one of the following is an example of application software?

A Microsoft word
B Microsoft windows
C Windows XP
D Windows 7

2. Match the following functions of the computer storages in **List A** with their corresponding storage name in **List B** by writing the letter of the correct option below the item number in the table provided.

List A		**List B**	
(i)	A temporary storage that holds data entered into the computer for processing.	A	Memory Card
(ii)	A computer storage that holds data and instructions that cannot be easily changed.	B	Buffers
(iii)	Special memories that are found in input/output devices.	C	RAM
(iv)	High speed memories that are allocated inside the CPU.	D	ROM
(v)	An example of secondary storage which is not directly accessible by the CPU.	E	Processors
		F	Registers
		G	Static Memory
		H	Random Memory

ANSWERS

List A	(i)	(ii)	(iii)	(iv)	(v)
List B					

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3. For each of the following statements, write **TRUE** if the statement is correct or **FALSE** if the statement is not correct.
   (i) Google and Yahoo are the best internet search engines. .....
   (ii) A Wide Area Network (WAN) is a type of network which covers an area like a school or a building. .....
   (iii) UNIVAC is the analog computer created during the first generation of computers. .....
   (iv) Grammar checker, spell checker and auto correct are basic tools for proofreading the document. .....
   (v) Graphical user interface uses windows, icons and mouse pointer to control the computer communication with the user. .....

SECTION B (60 Marks)

Answer **all** questions in this section.

4. (a) Write the long form of the following terms as applied in computer systems.
   (i) RAM .....
   (ii) ROM .....
   (iii) CPU .....
   (iv) UPS .....

   (b) Read the following computer specifications and answer the questions that follow:-
   - Processor: Intel® Pentium 4 processor
   - 27 inch HD screen
   - RAM: 512MB DDR3 memory
   - 20 GB hard drive
   - Installed Microsoft Photo Editor
   - Installed Windows XP
   - Installed Microsoft Office 2010

   (i) Give the name of the Central Processing Unit.
   .....
   (ii) What is the name of operating systems installed in the computer?
   .....
   (iii) List two applications software available in the computer.
   .....
   (iv) What is the size of volatile memory shown in the computer specifications?
   .....

5. (a) Define the term LAN.

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(b) Explain the following terms as applied in computer networking:

(i) MODEM.

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(ii) Search Engines.

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(c) Explain the function of switch in a network.

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(d) Differentiate communication from information dissemination.

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6. (a) (i) Give three symptoms of a computer which is affected by virus.

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(ii) Mention three ways used to prevent computer viruses.

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(b) (i) Why is it important to update computer antivirus several times within a month?

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(ii) Mention two antivirus programs.

- .....
- .....

7. (a) (i) Give two types of computer software.

- .....
- .....

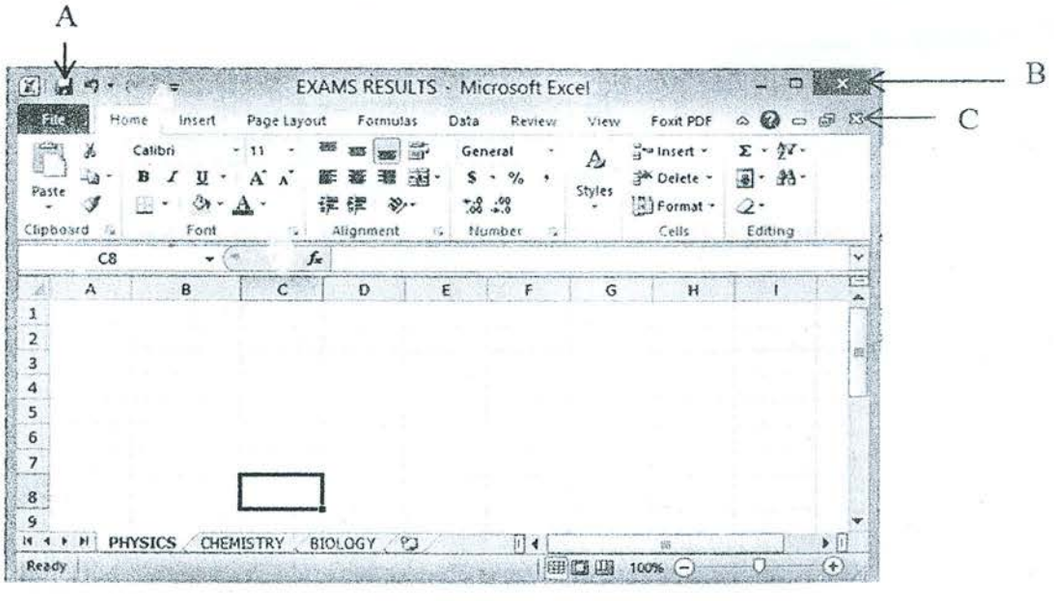
(ii) Mention four examples of operating system.

- .....
- .....
- .....
- .....

(b) Mention four functions of operating system.

- .....
- .....
- .....
- .....

8. Read carefully the following screenshot of a workbook and answer the questions that follow:



(a) What will happen to this program if the user clicks the button shown by letter A?

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(b) Differentiate button labeled by letter B from the button labeled by letter C.

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(c) Give the name of program used to create a given workbook.

.....

(d) How many worksheets are found in the given workbook? Give their names.

.....

(e) Mention the name of an active worksheet in this program.

.....

(f) What is the name of the file / workbook?

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9. (a) (i) State three functions of electronic word processor.

- .....
- .....
- .....

(ii) Give four advantages of electronic word processor.

- .....

  .....
- .....

  .....
- .....

  .....
- .....

  .....

(b) Mention three factors to consider when choosing a word processor.

- .....
- .....
- .....

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SECTION C (20 Marks)

Answer question **ten (10)**.

10. Explain four types of computers according to their physical size and processing power.

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