Candidate's examination number............................

SMZ

ZANZIBAR EXAMINATIONS COUNCIL

FORM THREE ENTRANCE EXAMINATION

INFORMATION AND COMMUNICATION TECHNOLOGY -ICT

TIME: 2:30 HOURS   FRIDAY, 07TH DECEMBER 2018 pm

INSTRUCTIONS TO CANDIDATES

1. This paper consists of sections A, B and C.

2. Answer ALL questions in sections A and B and any two (2) questions from section C.

3. ALL answers must be written in the space provided.

4. Write your examination number on every page of this booklet.

5. Calculators and cellular phones are not allowed in the examination room.

		FOR EXAMINER'S USE ONLY			
QUESTION NUMBER	**MARKS**	**SIGNATURE**	**QUESTION NUMBER**	**MARKS**	**SIGNATURE**
1			8		
2			9		
3			10		
4			11		
5			12		
6			13		
7			14		
			15		
TOTAL					

This paper consists of 12 printed pages.

SECTION A: (20 marks)

Answer ALL questions.

1. Choose the letter of the correct answer and write it below the item number in the table below.

i) Which of the following is necessary for running application software?

A. Network card   B. System software

C. Operating system   D. Graphical user interface

ii) Which one of the following is a definition of a computer?

A. A device used to process information

B. A device used to process information and store data

C. A device used to process data

D. A device used to process information.

iii) The main board which enables communication between devices in a computer is known as

A.   Monitor   B.   Mother board

C.   hardboard   D.   Computer board

iv) The two types of RAM are

A. Volatile and non volatile   B.   Static and dynamic

C. Erasable and Programmable   D.   None of above

v) CPU consists of

A. Control unit   B.   Arithmetic and logic unit

C. Both (A and B above)   D.   None of above.

vi)   External parts of a computer are known as

    A. Disks   B. Peripheral   C. Ports   D. Devices

vii)   Computer program is a

    A. Software   B. A disk   C. A device   D. None of the above

viii)   Which of the following is not a permanent storage device?

    A. Floppy disk   B. Scanner   C. Compact disk   D. Hard disk

ix)   Which of the following are used to represent a bit?

    A. Zero and ten   B. One and zero

    C. Zero and two   D. One and two

x)   With CD you can

    A. write   B. read

    C. read and write   D. None of above

ANSWERS

i	ii	iii	iv	v	vi	vii	viii	ix	x

2. Match the items in **List A** with the responses in **List B**. Write the letter of the correct response below the item number in the table below.

LIST A	LIST B
i. A multiuser computer capable of supporting 10 to 100 users simultaneously.	A. DVD Rom
	B. ROM
ii. A powerful single user computer.	C.Work station
iii. The term standing for write once, read many.	D. Super computer
iv. An extremely fast computer that can perform hundreds millions of instructions per second.	E. Super min
	F. Microcomputer
v. The first generation computer.	G. Magnetic tape
vi. A powerful multi-users computer capable of Supporting hundreds of users simultaneously.	H. WORM
	I. Internet
vii. Small single-user computer based on micro-processor.	J. personal computer
viii. The storage device that is non-volatile in nature .	K. Mainframe
ix. Optical storage device.	L. 1950
x. It has large storage capacity compared to the other secondary storage devices.	M. 1955
	N. DVD and CD
	O. 1953
	P. Laptop
	Q. Server

ANSWERS

i	ii	iii	iv	v	vi	vii	viii	ix	x

SECTION B: (50 marks)

Answer ALL questions.

3. a) Define the term hard ware.

    _____

    _____

    _____

    b) List down any three (3) examples of software.

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    _____

    _____

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    _____

4. Write down any three (3) characteristics of the second generation computers

    _____

    _____

    _____

    _____

5. What do the following abbreviations stand for?
    i) CAI _____

    ii) CAM _____

    iii) RAM _____

    iv) CD _____

6. Define the following terms,
    i) search engine

    _____

    _____

    _____

ii)   Web directories.

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7.   Distinguish between a row and column.

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8.   List down two (2) traditional ways of disseminating information.

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9.   Briefly explain the importance of using UPS in a computer room.

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10.   Write down the application of each of the following devices.

   a)   keyboard

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b)   Printer

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c)   CD

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11.   Distinguish between Bus network topology and Star network topology.

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12.   a)   Name the different parts of a Central Processing Unit(CPU).

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_____

b) Identify any two (2) benefits of electronic learning.

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SECTION C: (30 marks)

Answer any two (2) questions.

13. a) Draw a block diagram of a computer.

b) With the help of block diagram in part (a) above, explain the principle of

operation of a computer.

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14. a) Write down three (3) precautions that should be taken to ensure that computer viruses are not introduced in the computer network system.

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b) Explain any two (2) methods that can be used to delete a sentence in a word processing document.

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c) Describe the steps to be followed if you want to insert a table (having five columns and six rows) in Ms Word document.

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15. a) What is a computer network?

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b) Briefly explain the benefits of using computer networking.

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c)   Write short explanation on mesh network topology.

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