Candidate's Examination Number...............................

SMZ

ZANZIBAR EXAMINATIONS COUNCIL

FORM THREE ENTRANCE EXAMINATION

63   INFORMATION AND COMMUNICATION TECHNOLOGY -ICT

TIME 2:30 HOURS   FRIDAY 1ST DECEMBER, 2017 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.

6.   Use a blue or black pen in writing. The diagrams must be drawn in a pencil.

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

This paper consists of 12 printed pages.

SECTION A: (20 Marks)

Answer ALL questions

1: For each of the items (i) – (x) choose the correct answer and write its letter below the item number in a table provided at the end of this question.

i) Which of the following is not an output device?

A. Monitor   B. Touch screen   C. Printer   D. Plotter

ii) How many bits are there in a Kilobyte?

A. 1024   B. 1000

C. 8024   D. 8192

iii) Which of the following is not a feature of a word processor?

A. Borders and shading

B. Mail Merge and letter assistant

C. Macros

D. Sending email

iv) Which of the following is not a function of an Operating System?

A. Process management

B. Memory management

C. Disk management

D. Database management

v) The term used to describe all physical components of a computer is;

A. Software   B. Shareware

C. Hardware   D. Firmware

vi) In computer networking, what are the three   basic components needed to create a network?

   A. Hard ware, software, users

   B. Cabling, software, users

   C. Hardware, software, cabling

   D. Hardware, cabling, users

vii)   CD-ROM stands for

   A. Compactable Disk Read Only Memory

   B. Compact Data Read Only Memory

   C. Compactable Disk Ready Only Memory

   D. Compact Disk Read Only Memory

viii)   ALU stands for

   A. Arithmetic Logic unit

   B. Array Logic Unit

   C. Application logic unit

   D. None of the above

ix)   ICT is a blend of

   A. IT and telecommunication

   B. Technology and communication

   C. Codes and information

   D. IT and social networking

x)   In Computer terminology, processed data is called

   A. Binary data   B. Code

   C. Information   D. language

ANSWERS

Item number	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. Printer	A. Storage device.
ii. Scanner	B. Output device.
iii. RAM	C. Input device.
iv. CPU	D. A type of memory.
v. CD drive	E. Processor.
vi. System software	F. The set of instructions that enable computer hardware devises and application software to work together.
vii. Application software	G. The kind of operating system software you will use depends on this.
viii. Platform	H. Operating system software generally used on PCs.
ix. Microsoft windows	I. A set of programs used to accomplish a specific task.
x. Mega bytes	J. The case containing the system component.
	K. It regulates AC voltage.
	L. One million bytes.
	M. Used to create text documents.

ANSWERS

Item number	i	ii	iii	iv	v	vi	vii	viii	ix	x

SECTION B: (40 Marks)
Answer ALL questions.

3. i) Define the term "computer".

    _____

    _____

    _____

    ii) Identify any four (4) capabilities of a computer.

    _____

    _____

    _____

    _____

    _____

4. Write down any four (4) characteristics of the first generation computers.

    _____

    _____

    _____

    _____

    _____

    _____

5. a) Define the term computer software.

    _____

    _____

    _____

    _____

    b) Name any two (2) functions of an operating system.

    _____

    _____

    _____

6.   Write down a suitable device for each of the following functions,

    a) To put data in to a computer.

    _____

    b) To get information out of a computer.

    _____

7. What do the following abbreviations stand for?

    i) BIOS _____

    ii) GUI   _____

    iii) CAD   _____

    iv) TCP   _____

8. a) Define the term computer virus.

    _____

    _____

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    _____

    b) Write down the importance of using printers in a computer room.

    _____

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9. a) Name any two (2) popular search engines in the world.

    _____

    _____

    b) Why do we need search engines?

    _____

    _____

    _____

10. List down any four (4) examples of computer hard ware.

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11. Briefly explain the following terms,

   i) Row

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   ii) Column

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   iii) Cell

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   iv) UPS

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12. a) Write down two (2) examples of application software

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b) List down two (2) advantages of using secondary storage devices.

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SECTION C: (40 Marks)

Answer any two (2) questions

13: a) Explain the term e-learning.

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b) (i) Briefly explain any three (3) benefits of using e-learning.

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ii) Write down any three (3) disadvantages of e- learning.

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c) Write down any two (2) benefits of using electronic commerce.

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14: a) With the help of diagrams, describe the following types of network topologies.

i) Bus network topology.

_____

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_____

ii) Star network topology.

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b) Draw diagrams that represent the following types of network topologies,

   i) Ring network topology

   ii) Mesh network topology.

c) Distinguish between a switch and a hub.

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15. a) Explain the following types of computer,

   i) Micro-computer.

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ii) Minicomputer.

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iii) Mainframe computer

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b) i) Mention any two (2) methods that can be used to select a paragraph document.

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ii) It is important for the data stored in a computer to be protected against any threat. Explain two (2) methods that may be used to protect computers against viruses.

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