Candidate's Examination Number .....

SMZ

ZANZIBAR EXAMINATION COUNCIL

FORM THREE ENTRANCE EXAMINATION, 2008

063 INFORMATION AND COMPUTER STUDIES

Time: 2:30 Hours.

INSTRUCTIONS TO CANDIDATES

1. This paper consists of Three (3) sections A, B and C.
2. Answer **ALL** questions from Section A and B and **ONLY ONE** questions from section C
3. Write your examination number on each page.
4. Write all answers on the space provided.
5. Use a blue or black pen in writing. Drawings must be in pencil.
6. Cellular phones and unauthorized materials are not allowed in the examination room.

	THIS PART FOR EXAMINER'S ONLY	
Question number	**MARKS**	**SIGNATURE**
1.		
2.		
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9.		
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11.		
12.		
TOTAL		

Candidate's Examination Number .....

Section A: (15 Marks)

Attempt ALL questions from this section.

1. Choose the letter of the correct answer and write it in the table provided.

i) Which one of the following is not a characteristic of a computer?

A. Accuracy

B. Versatility

C. Volatility

D. Diligence

ii) A device that connects multiple computers in a network is a:

A. Router

B. Modem

C. Hub

D. Printer

iii) The term cold booting refers to:

A. Restarting a computer that is already running

B. Starting a computer from a powered-off state

C. Shutting down a computer

D. Installing an operating system

iv) Which of the following is an example of an input device?

A. Speaker

B. Monitor

C. Keyboard

D. Printer

v) The most popular type of computer used for personal use is the:

A. Supercomputer

B. Mainframe

C. Laptop

D. Tablet

vi) A software that helps in managing large amounts of data in an organized way is a:

A. Word processor

B. Spreadsheet program

C. Database management system

D. Graphics program

vii) What is a collection of web pages and related content that is identified by a common domain name?

A. A search engine

B. A web page

C. A blog

D. A website

viii) The term URL stands for:

A. Universal Remote Link

B. Uniform Resource Locator

C. Universal Resource Locator

D. Uniform Resource Link

ix) Which of the following is a type of system software?

A. Antivirus software

B. Microsoft Word

C. Adobe Photoshop

D. Google Chrome

x) A program that can replicate itself and spread to other computers without human intervention is a:

A. Virus

B. Worm

C. Trojan horse

D. Spyware

2. Match the terms in Column A with their descriptions in Column B. Write the letter of the correct response in the table below.

COLUMN A	COLUMN B
i. RAM	A. A storage device that is non-volatile and permanent.
ii. ROM	B. A volatile memory that temporarily stores data.
iii. CPU	C. The main circuit board of a computer.

iv. Hard disk	D. A permanent storage device that is used to store the operating system.
v. Motherboard	E. The brain of the computer.
	F. A device that produces a hard copy.
	G. The main screen.

Section B: (75 Marks)

Attempt ALL questions from this section.

3. a) Define computer generations.

   b) State the main technology used in the first, second, and third computer generations.

   c) Mention two (2) characteristics of computers in the fifth generation.

4. a) What is a file extension?

   b) Give two (2) examples of file extensions for the following:

   i. Word documents

   ii. Image files

   c) Explain the purpose of a folder in a computer system.

5. a) Explain the difference between GUI and CLI.

   b) State two (2) advantages of using a GUI.

   c) Give one (1) example of an operating system that uses a CLI.

6. a) What is e-learning?

   b) State three (3) advantages of using e-learning.

   c) Mention two (2) disadvantages of e-learning.

7. a) Briefly explain the term online banking.

   b) Give two (2) examples of online banking services.

   c) State two (2) advantages and two (2) disadvantages of online banking.

8. a) What is data integrity?

   b) Explain two (2) ways to ensure data integrity.

   c) Briefly describe the concept of data redundancy.

9. a) Explain what computer ethics is.

   b) Mention three (3) ethical issues related to computer use.

   c) Give two (2) ways to promote ethical computer use.

10. a) What is a computer laboratory?

    b) State four (4) safety precautions to be observed in a computer laboratory.

    c) Mention three (3) things that can destroy your computer.

Section C: (10 Marks)

Attempt ONLY ONE (1) question from this section.

11. The table below shows the sales of five different shops for the first three months of the year. Use the table to answer the questions that follow.

	A	B	C	D	E
1	**Shop Name**	**January**	**February**	**March**	**Total Sales**

	A	B	C	D	E
2	Shop 1	5000	6500	7000	
3	Shop 2	4800	5500	6200	
4	Shop 3	7200	8000	7500	
5	Shop 4	6000	7100	6800	
6	Shop 5	5500	6000	6500	
7					

a) Write a formula to calculate the total sales for Shop 1 in cell E2.

b) What formula would you use to find the average sales for all shops in January in cell B7?

c) What is the formula to find the highest sales among all shops for the month of February?

d) Write a formula to find the total sales for all shops for the entire period.

12. a) What is networking?

b) Give two (2) differences between a peer-to-peer and a client-server network.

c) Explain the purpose of a router in a network.

d) State two (2) advantages of networking in an organization.