Candidate's Examination Number .....

SMZ

ZANZIBAR EXAMINATION COUNCIL

FORM THREE ENTRANCE EXAMINATION, 2007

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.		
3.		
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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 of the following is a type of secondary storage?

   A. RAM

   B. ROM

   C. CPU

   D. Hard disk

   ii) The device used to connect two different networks is a:

   A. Hub

   B. Router

   C. Switch

   D. Repeater

   iii) A program that helps in the creation and manipulation of images and graphics is a:

   A. Word processor

   B. Spreadsheet program

   C. Graphics software

   D. Database program

   iv) The process of saving a file for the first time on a computer is called:

   A. Saving

   B. Saving As

C. Printing

D. Deleting

v) Which of the following is not a common web browser?

A. Microsoft Edge

B. Firefox

C. Adobe Photoshop

D. Google Chrome

vi) What is the main advantage of using a fiber optic cable over a copper cable?

A. It is cheaper to install

B. It is more flexible

C. It is immune to electromagnetic interference

D. It carries less data

vii) The term cyberspace refers to:

A. The physical space inside a computer

B. The virtual world of computers and networks

C. The space between computers in a network

D. A type of computer memory

viii) Which of these is a function of the Control Unit in the CPU?

A. Storing data

B. Performing arithmetic calculations

C. Directing the flow of data

D. Displaying output on the screen

ix) The term online refers to a user being:

A. Connected to the internet

B. Using a computer

C. Watching a movie

D. Running a program

x) A software license agreement that allows a single user to install and use the software is called:

A. Site license

B. Single-user license

C. Open source license

D. Freeware

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

i. Scanner

ii. Ergonomics

iii. Virus

iv. Blog

v. Database

COLUMN B

A. An application for storing and managing large amounts of data.

B. A piece of code that can replicate itself and spread to other computers.

C. The science of designing and arranging workplace items for comfort and efficiency.

D. A device that converts a physical document into a digital file.

E. A personal website or web page where a person writes their opinions.

F. The process of starting a computer.

G. An application that handles numbers and calculations.

Section B: (75 Marks)

Attempt ALL questions from this section.

3. a) Distinguish between analog data and digital data.

   b) Give two (2) examples of devices that work with analog data and two (2) with digital data.

   c) What is a digitizer?

4. a) State three (3) different types of computers based on their size and purpose.

   b) Explain two (2) differences between a desktop computer and a supercomputer.

   c) Mention two (2) typical uses of a supercomputer.

5. a) Explain the purpose of a computer power supply unit (PSU).

   b) State any three (3) external ports found on the back of a system unit.

   c) Briefly explain the difference between a bus and a port.

6. a) What is a user account in a computer system?

   b) Explain the difference between a standard user account and an administrator account.

   c) State two (2) reasons why it is important to have multiple user accounts on a shared computer.

7. a) What is online privacy?

   b) Explain two (2) reasons why it is important to protect your personal information online.

   c) Mention three (3) potential risks of not protecting your online privacy.

8. a) Define social media.

   b) Give two (2) examples of social media platforms.

   c) Analyze two (2) advantages and two (2) disadvantages of using social media.

9. a) Explain what a computer peripheral is.

   b) State the main function of the following peripherals:

      i. Scanner

      ii. Plotter

   c) Differentiate between an impact printer and a non-impact printer.

10. a) What is data backup?

    b) State two (2) reasons for performing data backup.

    c) List two (2) types of external storage devices used for data backup.

Section C: (10 Marks)

Attempt ONLY ONE (1) question from this section.

11. a) Define the term web page.

    b) Differentiate between a website and a web page.

    c) Briefly explain the purpose of a Uniform Resource Locator (URL).

    d) What is a homepage?

12. a) What is an information system?

    b) List the five (5) components of an information system.

    c) Briefly explain the importance of a well-designed information system for an organization.