Candidate's Examination Number .....

SMZ

ZANZIBAR EXAMINATION COUNCIL

FORM THREE ENTRANCE EXAMINATION, 2009

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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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 system software?

A. Microsoft Word

B. Antivirus software

C. Adobe Photoshop

D. Google Chrome

ii) The term CPU stands for:

A. Central Processing Unit

B. Computer Processing Unit

C. Central Power Unit

D. Computer Power Usage

iii) Which of these is a characteristic of RAM?

A. It is non-volatile

B. It is used for permanent storage

C. It is a secondary storage device

D. It is volatile

iv) A type of computer that is specifically designed for a single task is called:

A. A general-purpose computer

B. An embedded system

C. A supercomputer

D. A mainframe computer

v) The most common type of mouse used with a desktop computer is a:

A. Trackball mouse

B. Optical mouse

C. Mechanical mouse

D. Joystick

vi) What is the process of arranging data in a specific order called?

A. Searching

B. Sorting

C. Filtering

D. Compressing

vii) Which of the following is not a common type of network cable?

A. Twisted-pair

B. Coaxial

C. Fiber optic

D. Parallel

viii) The term online banking refers to:

A. Visiting a bank branch

B. Performing financial transactions over the internet

C. Using a credit card

D. Withdrawing cash from an ATM

ix) A program that is secretly installed on a user's computer to collect information without their consent is called:

A. Antivirus

B. Spyware

C. Adware

D. Freeware

x) The term Wi-Fi stands for:

A. Wireless Fidelity

B. Wireless Internet

C. World Wide Fiber

D. Wide Fidelity

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. Modem

ii. Printer

iii. Spreadsheet

iv. Database

v. Malware

COLUMN B

A. A program used to manage and store large amounts of data.

B. A device that converts digital data into analog signals and vice-versa.

C. A program that organizes data in rows and columns for calculations.

D. A device that produces a hard copy of a document.

E. A software designed to damage or gain unauthorized access to a computer.

F. The process of copying files.

G. The main processing chip.

Section B: (75 Marks)

Attempt ALL questions from this section.

3. a) Define computer hardware and computer software.

   b) Give two (2) examples of each.

   c) Explain the relationship between hardware and software.

4. a) What is a user interface?

   b) Describe the difference between a Graphical User Interface (GUI) and a Command-Line Interface (CLI).

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

5. a) State two (2) differences between RAM and ROM.

   b) Briefly explain the purpose of cache memory.

   c) Why is RAM considered a volatile memory?

6. a) Define data transmission media.

   b) Give two (2) examples of guided media and two (2) examples of unguided media.

   c) Explain the difference between broadband and narrowband internet connections.

7. a) What is a blog?

   b) Explain the difference between a blog and a traditional website.

   c) Mention two (2) common uses of a blog.

8. a) Briefly explain the concept of e-commerce.

   b) Give two (2) examples of e-commerce websites.

   c) State two (2) advantages and two (2) disadvantages of e-commerce.

9. a) What is computer security?

   b) State three (3) main goals of computer security.

   c) Briefly explain the term phishing.

10. a) Explain the term ergonomics in the context of computer use.

    b) State any three (3) risks of poor ergonomics.

    c) Give two (2) tips for maintaining proper posture while using a computer.

Section C: (10 Marks)

Attempt **ONLY ONE (1)** question from this section.

11. a) What is word processing?

    b) Explain the following features of a word processing program:

       i. Formatting

       ii. Mail merge

       iii. Headers and Footers

    c) Briefly describe how to save a new document in MS Word.

12. a) What is a computer laboratory?

    b) State three (3) safety precautions to observe when working in a computer lab.

    c) Explain the importance of a network server in a computer lab.

    d) What is the main purpose of a computer fan?