Candidate's Examination Number .....

SMZ

ZANZIBAR EXAMINATION COUNCIL

FORM THREE ENTRANCE EXAMINATION, 2002

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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11.		
12.		
TOTAL		

Candidate's Examination Number .....

Section A: (15 Marks)

Attempt ALL questions from this section.

1. Choose the correct answer and write its letter in the table provided below.

i) The primary function of the motherboard is to:
A: Store data
B: Connect all hardware components
C: Provide power to the system
D: Display output

ii) Which of the following is an example of application software?
A: Windows 10
B: Microsoft Word
C: BIOS
D: Linux

iii) The process of booting a computer involves:
A: Loading the operating system into memory
B: Turning off the computer
C: Installing new hardware
D: Updating software

iv) Which of the following is not a type of computer network topology?
A: Star
B: Ring
C: Tree
D: Square

v) The function of the ALU is to:
A: Perform arithmetic and logical operations
B: Manage memory
C: Control data flow
D: Provide user interface

vi) Which of the following is a type of optical storage device?
A: Hard disk
B: CD-ROM
C: Flash drive
D: Magnetic tape

vii) The main advantage of using a solid-state drive (SSD) over a hard disk drive (HDD) is:
A: Higher storage capacity
B: Faster data access speed
C: Lower cost
D: Larger physical size

viii) Which of the following is a type of malware?
A: Firewall
B: Antivirus
C: Trojan horse
D: Router

ix) The purpose of a device driver is to:
A: Provide security
B: Enable hardware to communicate with the operating system
C: Store data
D: Display output

x) Which of the following is an example of a web browser?
A: Microsoft Excel
B: Google Chrome
C: Adobe Photoshop
D: VLC Media Player

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. URL	A. Software that controls hardware
ii. HTTP	B. Address of a website
iii. RAM	C. Protocol for transferring web pages
iv. BIOS	D. Temporary memory storage
v. OS	E. Basic input/output system

Section B: (75 Marks)

Attempt ALL questions from this section.

3. a) Define the term 'computer virus'.

b) Explain two methods to protect a computer from viruses.

4. a) What is a spreadsheet?
   b) List and explain three basic functions of a spreadsheet application.

5. a) Define the term 'internet'.
   b) Explain the difference between the internet and the World Wide Web.

6. a) What is a database?
b) List and explain three types of database management systems.

7. a) Define the term 'computer network'.
   b) Explain the difference between LAN and WAN.

8. a) What is the purpose of an operating system?
   b) List and explain three types of operating systems.

9. a) Describe the steps involved in creating a new folder in Windows operating system.
   b) Explain how to change the desktop background in Windows.

10. a) What is the function of the CPU in a computer system?
    b) List four types of computer memory and briefly describe each.

Section C: (10 Marks)

Attempt ONLY ONE (1) question from this section.

11. a) Define the term 'computer virus'.
    b) Explain two methods to protect a computer from viruses.
    c) What is a spreadsheet?

12. a) List and explain three basic functions of a spreadsheet application.
    b) Define the term 'computer hardware'.
    c) List and describe five essential components of a computer system.