



THE UNITED REPUBLIC OF TANZANIA
PRIME MINISTER'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
BUKOBIA MUNICIPAL COUNCIL



FORM TWO DISTRICT MOCK ASSESSMENT

037

COMPUTER SCIENCE

Duration: 2:30 Hours

Tuesday, June, 02nd 2026 A.M

Instructions

1. This paper consists of sections A, B and C with a total of **ten (10)** questions.
2. All answer must be written in the spaces provided.
3. Section A, carries **fifteen (15) marks**, section B **seventy (70) marks** and section C carries **fifteen (15) marks**.
4. All writing must be in **blue** or **black ink**, except drawings which must be in **pencil**.
5. Communication devices and any unauthorized materials are not allowed in the assessment room.
6. Write your **Assessment Number** at the top right corner of every page.

FOR ASSESSORS' USE ONLY

QUESTION NUMBER	SCORE	ASSESSOR'S INITIALS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL		
CHECKER'S INITIALS		



SECTION A (15MARKS)

1. For each of the following items (i – x), choose the letter of the most correct answer and write it against the corresponding number in the table provided.
 - i. A teacher asks students to design a program that calculates the average of three numbers. According to problem-solving steps, what should the students do first?
 - A. Write pseudocode immediately
 - B. Define the problem clearly
 - C. Test the program for errors
 - D. Convert the solution into a programming language
 - ii. How do email services work and why are they important for communication?
 - A. Email services allow users to send and receive physical mail
 - B. Email services enable the digital exchange of messages and files providing a fast and convenient communication method
 - C. Email services provide only chat-based communication
 - D. Email services are used solely for sending large media files
 - iii. A historian shows students a computer that used vacuum tubes, occupied a large room, and consumed a lot of electricity. Which computer generation does this describe?
 - A. First Generation
 - B. Third Generation
 - C. Second Generation
 - D. Fourth Generation
 - iv. A student wants to type an assignment and print it out. Which of the following is the output device they will need?
 - A. Monitor
 - B. Scanner
 - C. Printer
 - D. Projector
 - v. What is the purpose of software updates in cybersecurity?
 - A. To fix security vulnerabilities and improve the system's functionality
 - B. To make your computer slower
 - C. To install unnecessary programs
 - D. To change the appearance of your computer interface
 - vi. How does the Internet support various online services like email, social media, and video streaming apart from the World Wide Web?
 - A. By only allowing text communication
 - B. By limiting services to social media platforms only
 - C. By focusing solely on online banking services
 - D. By providing underlying infrastructure and protocols for data exchange and communication.
 - vii. Madam Angel spilled water near her computer keyboard. What should she do FIRST?
 - A. Continue typing quickly
 - B. Wipe the water while computer is on.

- C. Switch-off the computer and disconnect power
- D. Blow air into the keyboard

viii. The Headmistress at Mboju Secondary School intended to establish free e-mail address for easy communication with parents. Which one is the correct e-mail address?

- A. mboju@gmail.co.tz
- B. headmistress@gmail.ac.tz
- C. mboju@yahoo.co.tz
- D. mboju@gmail.com

ix. What is Two-Factor Authentication (2FA)?

- A. A security system that uses two different passwords
- B. A system that requires two methods of identity verification to log into an account
- C. A software used to detect malware
- D. A tool for encrypting data

x. Which of the following is an example of phishing?

- A. An email that looks like it is from a trusted source asking you to provide sensitive information
- B. A hacker attempting to access your files directly
- C. Installing a software update
- D. Using a VPN to protect your browsing activity

ANSWER

i	ii	iii	iv	v	vi	vii	viii	ix	x

2. Match the descriptions of an optical disks in **List A** with their corresponding disk names in the **List B** by writing the letter of the correct answer below the corresponding item number in the table provided

LIST A		LIST B	
i)	Reduce the size of data to save storage and transportation space.	A.	Disk cleaner
ii)	Protect programs and data against viruses and remove viruses from a computer.	B.	Backup
iii)	Recover a file or information that has been deleted.	C.	Data recovery
iv)	Create a copy of data to protect it from accidental loss.	D.	Anti-viruses
v)	Clean or remove unnecessary files from a hard disk	E.	Data compression

ANSWER

i	ii	iii	iv	v

SECTION B (70 Marks)

Answer ALL questions in this section.

3. (a) Describe the meaning of cybersecurity **(2 Marks)**

(b) Explain four importance of studying cybersecurity in our real-life **(4 Marks)**

(c) Describe the meaning of authentication **(1 Marks)**

(d) Briefly explain three common authentication method used in cybersecurity practices **(3Marks)**

4. (a) Explain why digital signature is very essential for digital document secure **(1marks)**

(b) Outline five steps for creating a digital signature **(5 Marks)**

(c) Teacher Yaaani was discussing with his Computer Science students that it is very important to sign out of email. While the discussion was going on, the History teacher came in and said there is no importance at all because he never signs out and has never faced any problem. To help the History teacher understand, you as a Computer Science expert help him with four points. **(4 marks)**

(a) What is computer handling and care? **(2 marks)**

(b) Mention four (4) devices used to deal with power fluctuation when using electrical appliances at home and at school computer laboratory. **(4 marks)**

(c) What are four (4) possible risks may a computer face if proper handling measures are not taken into consideration? **(4 marks)**

5. (a) What is computer system troubleshooting?

(b) Outline possible steps followed when troubleshooting a computer system

(c) Outline any three common categories of troubleshooting

6. (a) Define the following terms (@1 mark).

i Problem Solving

ii Algorithm

- iii Flowchart

(b) Suppose you are given a task to write a pseudocode and draw flowchart for a program that calculate the sum and average of the two numbers entered by a user and display output on the screen.

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7. (a) Define the term Computer Science (2 marks)

(b)Mention five branches of Computer Science (5 marks)

(c) Outline three qualities (characteristics) of Computer (3 marks)

8. Studying the C programming language is very important, especially in this digital generation. As a Computer Programming expert, why do you think it is important? Give five points. (@2 marks)

SECTION C (15 MARKS)

9. Many people say that the Internet is a basic need of human beings and is very important. However, others say that the internet is not good at all because it brings conflicts within families, among friends, and in the nation. As an expert, explain two (2) benefits and three (3) drawbacks of using the internet.

Student's Assessment Number_____

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