

PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
KIBAHA DISTRICT COUNCIL



DISTRICT FORM FOUR MOCK EXAMINATION

CODE: 036/1

INFORMATION AND COMPUTER STUDIES 1

TIME: 3:00 HOURS

2025

Instruction

1. This paper consists of section A, B and C with a total of 11 questions.
2. Answer all questions in section A and B and **two (2) questions** from section C
3. Write Your **Candidate Number** on every page of your answer booklet

SECTION A (16 MARKS)

1. For each of the items (i-x) choose the correct answer from the given alternative and write its letter beside the item number in the answer booklet provided.
 - i. What is the function of an operating system?
 - a) Performing calculations
 - b) Managing hardware and software
 - c) Writing documents
 - d) Printing files

- ii. The device used to connect multiple computers in a network is:
 - a. Router
 - b. Scanner
 - c. Monitor
 - d. Printer
- iii. The process of transforming data into meaningful information is called:
 - a. Encryption
 - b. Data processing
 - c. Decryption
 - d. File sharing
- iv. Which of the following is NOT an example of an application software?
 - a. MS Word
 - b. Excel
 - c. Linux
 - d. Photoshop
- v. The default file extension for an HTML file is:
 - a. .docx
 - b. .css
 - c. .html
 - d. .pdf
- vi. The best programming language for creating dynamic web pages is:
 - a. HTML
 - b. CSS
 - c. JavaScript
 - d. XML
- vii. What does SQL stand for?
 - a. Structured Query Language
 - b. Sequential Query Language
 - c. Standard Question Language
 - d. Secure Query Link
- viii. A protocol used for sending emails is:
 - a. HTTP
 - b. FTP
 - c. SMTP
 - d. SNMP
- ix. The main function of a firewall is to:
 - a. Store data securely
 - b. Block unauthorized access
 - c. Improve internet speed
 - d. Detect viruses

- x. Which of the following is a secondary storage device?
- a. RAM
 - b. CPU
 - c. Hard disk
 - d. Cache

2. Match the terms in Column A with their correct descriptions in Column B.

Column A	Column B
(i) Tags for emphasizing the header of the table on a webpage	a)
(ii) Tags for creating a list of bullets on a webpage	b)
(iii) Tags for creating a link on a webpage	c)
(iv) Tags for highlighting the main title of the webpage	d) <th> </th>
(v) Tags for inserting a picture in a webpage	e)
(vi) Tags for creating a bolded text on the webpage	f)
	g. <hr </hr>
	h)

SECTION B: (54 MARKS)

ANSWER ALL QUESTIONS IN THIS SECTION

3. (a) Define the following terms:
- i) Computer network
 - ii) Cybersecurity
 - iii) System software
- (b) Explain two advantages and two disadvantages of cloud computing.
4. (a) Differentiate between volatile and non-volatile memory.
- (b) Explain three types of computer software.

5. Study carefully the following HTML codes and answer the question that follow:

```

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 transitional//EN">.....1
<html>.....2
<body bgcolor="white">.....3
<br><br>.....4
<h2 align="centre">"please! fill Your Information Correctly</h2> .....5
<form>.....6
<table align="centre">.....7
<tr>.....8
<td>name:</td><td><input type="text"place holder="Enter FullName" Name=" "></td>.....9
<tr>.....10
<tr><td colspan=2><b>Data for information<b><td></tr>.....11
<table>.....12
.....|.....13
</form></body></html>.....14

```

- i. Which line had the tag used for inserting pictures?
 - ii. What is the function of HTML tags presented by line 6,8, and 11?
 - iii. What will happen if the tag presented by line 3 will be deleted?
 - iv. If line 11 and 13 were deleted from the given codes what will be the output?
6. (a) Explain three roles of a Database Management System (DBMS) in data processing.
 (b) Differentiate between primary key and foreign key in database design. Give 3 points each
 (c) Give function of each of the following given database objects?
 (i) Form
 (ii) Macros
 (iii) Query
 (iv) Table relation ship
7. (a) Describe three major threats to network security.
 (b) Explain two ethical issues related to ICT usage.

8. (a) Explain five functions of an operating system.

(b) Describe any four types of computer networks.

SECTION C: (30 MARKS)

Answer **two (2)** questions from this section

9. ESC Ltd is a company that uses a face-to-face way of selling its devices. The company's marketing officer decided to adopt electronic commerce to widen their business. However, he/she had limited knowledge of this approach. Explain to him/her three benefits and three limitations that the company will face by adapting the new system. **(15 marks)**

10. A school management asked you to design a certificate for the best oral presenter award in the final-year project presentation session. In accomplishing the task, you decided to use the Microsoft Desktop Publisher program. Why have you decided to use such a program? Explain by giving five points. **(15 marks)**

11. The director of the Computer Supplier Company Ltd conducted a press conference to inform customers about proper ways of handling electronic devices. After the conference, most of the customers complained that the communication was not effective. Analyze four factors that contributed to the reported problem. **(15 marks)**