THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION

036/1 **INFORMATION AND COMPUTER STUDIES 1**

(For Both School and Private Candidates)

Year: 2025

Duration: 3 Hours

Instructions

1. This paper consists of sections A, B, and C with a total of **eleven (11)** questions.
2. Answer **all** questions in sections A and B, and **two (2)** questions from section C.
3. Section A carries **sixteen (16)** marks, section B **fifty four (54)** marks and section C carries **thirty (30)** marks.
4. Communication devices and any other unauthorized materials are **not** allowed in the examination room.
5. Write your **Examination Number** on every page of your answer booklet(s).

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SECTION A (16 Marks)

Answer **all** questions in this section.

1. For each of the items (i) - (x), choose the correct answer from the given alternatives and write its letter beside the item number in the answer booklet provided.

(i) Which menu option will you use to display the ruler in Microsoft word?

A View B Insert C Home
D Review E Layout

(ii) Which cybercrime did the criminal commit when tapping communication channel to get information secretly?

A Fraud B Identity theft C Denial of Service
D Phishing E Eaves dropping

(iii) What type of the computer have a large storage capacity and allows hundreds of customers to work on the same data at the same time?

A Super computer B Minicomputer C Microcomputer
D Mainframe computer E Personal computer

(iv) How can you differentiate flat file database from relational database?

A Flat file database holds many records while relational database holds one record.
B Flat file database offers strong reporting compared to relational database.
C Flat file database import data from other software while relational database did not.
D Flat file database contains single table but relational database includes many tables.
E Flat file database contains many tables while relational database includes a single table.

(v) What will be the output after executing the following HTML codes?

```
<html>
        <head><title> </title></head>
                <body>
                        <a href="url"> Tanzania </a>
                </body>

</html>
```

A Tanzania B Tanzania
C Tanzania D ***Tanzania***
E "Tanzania"

(vi) Which type of text alignment would you use to align texts evenly along the left and right margins in a word document?

A Distributed alignment B Left alignment C Center alignment
D Right alignment E Justified alignment

(vii) Which one are the correct procedures for adding a chart in one of the slides in PowerPoint?

A Insert>Chart>Picture
B Picture>Chart>Insert
C Insert>Picture>Chart
D Picture>Insert>Chart
E Chart>Insert>Picture

(viii) Which type of a chart will be most appropriate for comparing performance of sales of two items?

A Pie chart
B Column chart
C Line chart
D Bubble chart
E Surface chart

(ix) How would you protect the computer from malware attacks?

A By purchasing the original antivirus software
B By scanning removable devices before opening them
C By opening email attachments from unknown sources
D By visiting any websites in the World Wide Web
E By switching off the computer regularly

(x) Which type of multimedia is used in a computer and smartphone games?

A Non-linear multimedia
B Digital multimedia
C Linear multimedia
D Visual multimedia
E Analog multimedia

2. Match the functions of field properties in **List A** to their corresponding names of the field properties from Microsoft Access in **List B** by writing the letter of the correct response beside the item number in the answer booklet provided.

List A	List B
(i) It allows the user to set the type of numbers to be entered in a field.	A Validation Rule
(ii) It determines if an entry must be made in the field before you proceed to the next field or record.	B Indexed
(iii) It restricts the values to be entered in a field.	C Default Value
(iv) It formats automatically the field entry into a specific pattern.	D Caption
(v) It allows a message to be displayed once the validation rule is violated.	E Validation Text
(vi) It describes the label for the field to be used in a table or a form view.	F Field size
	G Input Mask
	H Required
	I Format

SECTION B (54 Marks)

Answer **all** questions in this section.

3. (a) Why is it advised to close windows and doors in a computer laboratory? Give four reasons. **(6 marks)**

   (b) What are the two effects of opening windows and doors on computers in a laboratory? **(3 marks)**

4. (a) Why is it prohibited to use liquid fire extinguisher in the computer laboratory? **(1 mark)**

   (b) You have been asked to prepare a presentation on the health's problems that a person may suffer when using ICT devices for a long time.
   (i) Explain two healthy problems that you would include in your presentation. **(4 marks)**
   (ii) Explain two protective ways for each problem explained in part (b) (i). **(4 marks)**

5. (a) Why network administrators in organizations prefer to install Linux Operating System in their server computers? **(3 marks)**

   (b) What two possible challenges the organization may face when using the Linux operating system? **(2 marks)**

   (c) Explain two functions of the Linux Operating System used in organization's Server Computers. **(4 marks)**

6. Form Six students of a certain school plans to capture a video in their graduation ceremony. However, they lacked knowledge of processing their video and they asked you to assist them in editing the videos before compiling in one Flash disk.
   (a) Explain five procedures you would use to accomplish the task. **(5 marks)**

   (b) Explain two types of compression method you may use to accomplish the goal. **(4 marks)**

7. You have been assigned by the ICS teacher to prepare the students' magazine and submit it to his/her email addresses. When composing it, three fields named *To* filed, *CC* field, and *BCC* field appeared.
   (a) Why the teacher opted such way of communication? Briefly explain by giving three reasons. **(6 marks)**
   (b) Explain the function of each field appeared during composing an e-mail. **(3 marks)**

8. The Ministry of Health uses Television and Radio broadcasting to disseminate information about pandemic diseases and measures to be taken by the society.
   (a) Which type of information dissemination method used by the Ministry of health? **(1 mark)**

   (b) Why the Ministry uses such means of disseminating information? Give four reasons. **(6 marks)**

   (c) What two challenges would the Ministry face by using such method of disseminating information? **(2 marks)**

SECTION C (30 Marks)

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

9. Why most of newspapers developers prefer to use desktop publishers than other programs? Explain by giving five points. **(15 marks)**

10. Recently, most organizations opt to use the computer technology instead of human being in their various operations. Using five points, explain the reasons for their choices. **(15 marks)**

11. Explain five advantages of using computers and other devices which are connected to the network in an organization. **(15 marks)**