Student's Assessment Number.....

THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL OF TANZANIA

FORM TWO NATIONAL ASSESSMENT

036 INFORMATION AND COMPUTER STUDIES

Time: 2:30 Hours **Year: 2022**

Instructions

1. This paper consists of sections **A, B** and **C** with a total of **ten (10)** questions**.**
2. Answer **all** questions.
3. Section **A** and **C** carry **fifteen (15)** marks each, section **B** carries **seventy (70)** marks.
4. Cellular phones and any unathorized materials are **not** allowed in the assessmenmt room.
5. Write your **Assessment Number** at the top right hand corner of every page.

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

2 303041 100400

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SECTION A (15 MARKS)

Answer **all** questions in this section

1. Select the correct answer from the given alternatives by writing the letter of the most correct answer in the box provided.

   i) : Which term represents the results of processing raw facts like numbers, symbols, letters, pictures and sounds in a computer?

   A. Data
   C. Information
   B. Program
   D. Website

   ii) To prepare a computer laboratory for the Form Four final examination, the headmaster asked the system administrator to buy a non-impact printer which is very fast and which could produce printouts of higher quality. Which type of printers will be the best choice?

   A. Dot matrix printer.
   B. Inkjet printer.
   C. Thermal printer.
   D. Laser printer.

   iii) How many main components made up a typical computer system?

   A. 2
   C. 3
   B. 4
   D. 5

   iv) Most of the teachers in a certain school that uses computers in performing their daily activities reported the problem of disappearing some files. Which is the best way of preventing data from loss and damage?

   A. Backing up the file.
   B. Using password.
   C. Updating anti-virus.
   D. Using antiglare screen.

v) Why do microcomputers need application software?

A. Executes routine services such as file handling.

B. Executes specific task demanded by the user.

C. Executes a variety of fundamental operations.

D. Executes a variety of system utility functions.

vi) : To make a student competent in adding number using Microsoft excel, a teacher distributed numbers as shown in Figure 1 and asked them to compute the results. Which function can be used to find the total numbers given in row 2?

	A	B	C
1	2	5	1
2	9	3	8
3	7	4	6

Figure 1

A. =SUM(A2:A3)

B. =SUM(A2:C2)

C. =SUM(B2:C2)

D. =SUM(C2:C3)

vii) In a school, students were advised to purchase laptop instead of desktop computers for their academic uses. Why was it advised to buy laptop computers?

A. They are very cheap to purchase.

B. It is easier to use laptop keyboard.

C. They can be used everywhere.

D. They cannot be easily damaged.

viii) Study the Screenshot provided in Figure 2 and then answer the question that follow:

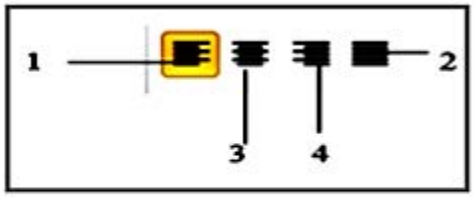


Figure 2

Which alignments of text align the text to the right margins?

A. 2

B. 1

C. 4

D. 3

ix) Modern Education Institute has a LAN in its Primary School and another set in its Secondary School which are located in the same district. Which device is needed to connect two LANs to enable data sharing and resources between them?

A. Modem

B. Hub

C. Switch

D. Router.

x) While preparing a Form Two terminal results in a worksheet, a teacher noticed an error message $VALUE! What does this error signify?

A. Used incorrect numeric values.

B. Used incorrect argument to the formula.

C. Used incorrect cell reference to the formula.

D. Used a blank cell or dividing by zero.

2. Match the functions of different types of operating systems in **List A** with their corresponding types of operating systems in **List B** by writing the letter of the correct answer below the item number in the table provided.

LIST A	**LIST B**
i) A system that performs a task by reading the command after user pressing the enter key. ii) A system that enables more than one user to access a centralized computer. iii) A system that runs only one user program at a time. iv) A system that uses priority scheduling to allocate each task a portion of the time in a CPU. v) A system that cannot allow a user to run both word processor and spreadsheet.	A. Single task operating system B. Multi-task operating system C. Single user operating system D. Multi-user operating system E. Command line operating system F. Utility operating system G. Menu driven operating system H. Mixed user operating system

ANSWERS:

List A	**(i)**	**(ii)**	**(iii)**	**(iv)**	**(v)**
List B					

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SECTION B (70 MARKS)

Answer **all** questions from this section

3. Most of the schools now days prefer the use computers in performing their daily activities:

   (a) Explain three uses of computers in a school.

   i) .....

   ii) .....

   iii) .....

   (b) Give two weaknesses of computers that school can experience.

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4. Due to the outbreak of the COVID-19 pandemic in 2020, most companies in the world allowed their employees to work from home and communicate with their offices through internet

   a) What were the two hardware and two software used by the employees to access the internet?

Hardware:

(i) .....

(ii) .....

Software

(i) .....

(ii) .....

b) Identify two ways through which a report could be sent to the office by using the internet.

(i) .....

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(ii) .....

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c) What are the two benefits the companies might experience by using this new form of working?

(i) .....

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(ii) .....

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d) What are the two disadvantages of working from home?

(i) .....

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(ii) .....

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5. Most electronic devices such as computers and mobile phones contain the most important device which is regarded as a brain of computer.

    a) Identify this device and give one reason for considering it as the brain of a computer.

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    b) In which part of the system unit is the device identified in part (a) allocated?

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    .....

    c) Explain three functional elements of the device identified in part (a)

    (i) .....

    (ii) .....

    (iii) .....

6. Study the screenshot of a worksheet given in Figure 3 and answer the questions that followed:

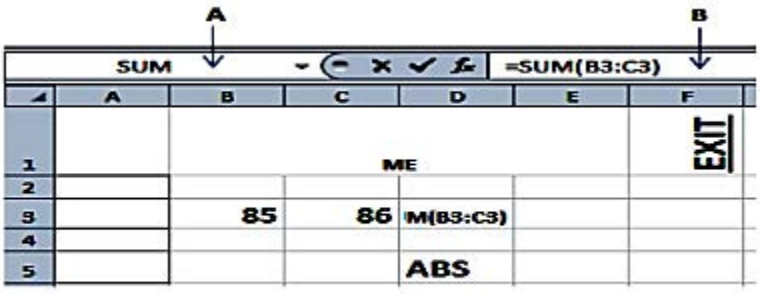


Figure 3

    a) Identify the features labelled with letter A and B in Figure 3.

    b) .....

    c) Explain three types of data entries in a given worksheet. Give one example

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for each.

(i) .....

(ii) .....

(iii) .....

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d) What are the procedures required for creating borders in cell A2 to A5?

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e) Which steps would you follow to align the word EXIT vertically?

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7. You were given an assignment by your teacher to construct a friendly letter. In attempting the task, students proposed to use electronic word processor instead of paper to accomplish the task.

a) Why students suggest using electronic word processor instead of paper? Give two reasons.

(i) .....

(ii) .....

b) Explain three possible text alignment features found in electronic word processor.

(i) .....

(ii) .....

(iii) .....

8. A computer lab is supposed to have enough ventilation and it should be well protected from dust all the time.
    a) Briefly explain two problems which may be caused by lack of ventilation in a computer laboratory.
        (i) .....
        (ii) .....
    b) Briefly explain two problems which may occur if a computer laboratory is not well protected from dust.
        (i) .....
        (ii) .....
    c) What are the two measures that should be taken to ensure proper ventilation in the computer laboratory?
        (i) .....
        (ii) .....
9. During class discussion on Information and Computer Studies subject, you noticed that your fellow students confused between the concept of a file and a folder.
    a) How can you differentiate a file from a folder?

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    b) Which steps would you follow to create the folder on the desktop?
        (i) .....
        (ii) .....
        (iii) .....
        (iv) .....

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c) Which steps would be followed by students in order to save file in the created folder?

(i) .....

(ii) .....

(iii) .....

(iv) .....

(v) .....

(vi) .....

SECTION C (15 Marks)

Answer **all** questions from this section

10. The headmaster uses computer network to share students' reports with the subject teachers. However, he is interested to know the components that compose computer network. Describe to him the four basic elements of a computer network.

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