

THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
FORM TWO NATIONAL ASSESSMENT

036

INFORMATION AND COMPUTER STUDIES

Time: 2:30 Hours

Year: 2021

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 twenty (20) marks each and section B carries sixty (60) marks.
4. Write your answers in the spaces provided.
5. All answers must be written in black or blue ink.
6. Cellular phones and any unauthorized materials are not allowed in the assessment room.
7. Write your Assessment Number at the top right 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

(viii) What is the disadvantage on students who get uncontrolled internet access?

- A Obtain large amount of educational information
- B Obtain incorrect and misleading information
- C Waste time on reading news paper
- D Increase ability to understand subjects

(ix) What does the term data represent?

- A Processed information
- B Processed facts and figures
- C Unprocessed facts and figures
- D Meaningful information

(x) Why is it advised to set a strong password in the computer?

- A To restrict unauthorized user
- B To minimize computer virus
- C To reduce unauthorized program
- D To prevent computer damage

2. Match the features of LAN in List A with their corresponding type of network in List B by writing the letter of the correct answer below the corresponding item number in the table provided.

List A		List B	
(i) All devices are connected to one another in the shape of a closed loop.		A Bus topology	
(ii) All devices are connected to a central cable called backbone.		B Ring topology	
(iii) Every device is connected to all other devices.		C Mesh topology	
(iv) Each network device has a dedicated point to point link to the central hub.		D Star topology	
(v) Groups of star- configured networks are connected to a linear bus backbone.		E Physical topology	
		F Internet topology	
		G Tree topology	
		H Logical topology	

Answers

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

3. For each of the items (i) – (v), write **True** if the statement is correct or **False** if a statement is not correct in the spaces provided.
- (i) Desktop and laptop computer are examples of microcomputer.
 - (ii) A computer system is a collection of four components: hardware, software, netware and liveware.
 - (iii) Uninterruptible Power Supply (UPS) helps to protect computer from being damaged by power instability.
 - (iv) Mainframe computer is the most powerful computer designed to process huge amount of information at a very high speed.
 - (v) An error #### is displayed in a cell of a worksheet when an incorrect or invalid numeric value has been entered.

SECTION B (60 Marks)

Answer all questions in this section.

4. Why do most of the organisations in the society opt to use computers in their daily activities? Briefly explain by giving five reasons.
- (i)
.....
.....
 - (ii)
.....
.....
 - (iii)
.....
.....
 - (iv)
.....
.....

(v)

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.....

5. (a) Briefly explain the Multi-user operating system. Give two examples.

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(b) Which four resources are managed by an operating system?

(i)

(ii)

(iii)

(iv)

(c) Why does operating system considered as the main program in the computer?

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6. (a) What are the three steps required to search information on the internet?

(i)

(ii)

(iii)

(b) Differentiate e-learning from e-commerce.

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(c) What are the five disadvantages of e-learning?

- (i)
- (ii)
- (iii)
- (iv)
- (v)

7. The following screenshot of a worksheet shows a report of employees in KCC company. Read the worksheet carefully and answer the questions that follow:

	A	B	C	D
1	Check No.	Account Type	Amount	
2	1026	Loan payment	500,000	
3	1022	Salary	1,000,000	
4	1046	Saving	500,000	
5	1120	Fixed	1,500,000	
6	Total Amount			

KCC REPORT

Account Type	Amount
Fixed	1,500,000
Saving	500,000
Salary	1,000,000
Loan payment	500,000

(a) Which steps would you follow to create the new worksheet?

- (i)
- (ii)
- (iii)

- (b) What is the cell reference of the saving account?
.....
- (c) Which function can you use in cell C6 to compute the total amount?
.....
- (d) Why the company decided to use the chart to represent the data on a worksheet?
.....
- (e) Which type of the chart is presented in a worksheet?
.....

8. Write steps required to perform the following tasks using Microsoft word:

- (a) Change text from lower to upper case.
 - (i)
 - (ii)
 - (iii)
 - (iv)
- (b) Align the paragraph to the center.
 - (i)
 - (ii)
 - (iii)
 - (iv)
- (c) Hanging indentation.
 - (i)
 - (ii)
 - (iii)
 - (iv)
 - (v)
 - (vi)

(d) Setting line spacing to double.

- (i)
- (ii)
- (iii)
- (iv)
- (v)

9. (a) Explain the importance of insulated cables in a computer room.

.....
.....
.....
.....

(b) Give two ways required to prevent dust in a computer room.

- (i)
- (ii)

(c) State three signs which indicate that a computer is affected by virus.

- (i)
- (ii)
- (iii)

(d) Suggest three methods which can be used to prevent data loss in a computer system.

- (i)
- (ii)
- (iii)

