THE REVOLUTIONARY GOVERNMENT OF ZANZIBAR

ZANZIBAR EXAMINATIONS COUNCIL

FORM THREE ENTRANCE EXAMINATION

234   **INFORMATION AND COMPUTER STUDIES**

TIME   2:30 HOURS   **FRIDAY 08TH DECEMBER, 2023   P.M**

INSTRUCTIONS TO THE CANDIDATE

1.   **This paper consists of THREE (3) sections A, B and C.**

2.   **Answer ALL questions in section A and B and any ONE (1) question in section C.**

3.   **Write your Examination Number on every page of the booklet.**

4.   **All answers must be written in the answer's booklet.**

5.   **All working must be written in black or blue ink and diagrams must be in pencil.**

6.   **Calculators, cellular phones and unauthorized materials are not allowed in the examination room.**

FOR EXAMINER'S USE ONLY					
QUESTION NUMBER	MARKS	SIGNATURE	QUESTION NUMBER	MARKS	SIGNATURE
1			7		
2			8		
3			9		
4			10		
5			11		
6			12		
TOTAL					
CHECKER'S SIGNATURE					

This paper consists of 15 printed pages

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SECTION A: (15 marks)

Answer all questions in this section.

1. Choose the letter of the correct answer and write it bellow the item number in a given table.

    i. What is a mouse as used in computing?

      A. Small destructive rodent

      B. Device used for typing

      C. Device that controls a pointer on the screen

      D. Round plastic container with a tail

    ii) Which of the following are the two types of processor?

      A. Ram and Rom

      B. Risc and Cisc

      C. Intel and AMD

      D. ALU and CU.

    iii) The following items are dangerous to a computer except

      A. Water

      B. Smoke

      C. Dust

      D. Proper ventilation

    iv) Which of the following can be represented by one byte?

      A. One character

      B. Eight characters

      C. Sentence

      D. Eight bits

v) What is the purpose of having the Power Supply Unit?

    A. to convert AC to DC

    B. to convert DC to DC

    C. to keep AC voltage constant

    D. to keep DC voltage constant

vi) Which of the following is not a port?

    A. Ps/2

    B. USB

    C. I pt

    D. Nic

vii) Which of the following language does the computer understand?

    A. Computer understand only C language

    B. Computer understand only Assembly language

    C. Computer understand only binary language

    D. Computer understand only basic language

viii) Which of the following action will save changes to a document that was previously saved?

    A. Ctrl + v   B. Ctrl +s   C. Ctrl + z   D. Ctrl +b

ix) Formulas and functions in a spreadsheet must begin with

    A. =<=   B. <=   C. =>   D. =

x. Which of the following is a brain of a computer?

    A. Central processing Unit   B. Memory

    C. Arithmetic and Logic Unit   D. Control Unit

Answers

i	ii	iii	iv	v	vi	vii	viii	ix	x

2. Match the applications of computer software in **Column A** with appropriate software in **Column B** by writing the letter of the correct response below the item number in a given table.

COLUMN A	COLUMN B
i. Referred to as stored logic, is a combination of both the hardware and software attached on a single silicon chip.	A. Network software
	B. Spread sheet
	C. Operating system
ii. Is a program that enables you to perform word processing functions	D. Application software
	E. Single program operating system
iii. Is a table of value arranged in rows and columns	F. Word processors
iv. Allow processing of only one user program in the main memory at a time.	G. Utility program
	H. Single user operating system
v. System designed for use by only one person.	I. Firmware
	J. Ms publisher

Answers

i	ii	iii	iv	v

SECTION B: (75 marks)

Answer ALL questions in this section.

3. a) Briefly explain the term operating system.

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b) Identify any two (2) types of operating systems.

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4. a) Power management should be kept under consideration for an individual or an organization to minimize cost of buying computers and its accessories. As computer technician, explain why do you need the following,

i) UPS

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ii) Voltage stabilizer

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b) You are advised to ensure that there is correct voltage rating before connecting a computer to the power supply. Briefly explain what can happen if a power supply is connected to a wrong voltage rating?

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5. a) Briefly explain the importance of page setup as related to printing of a doccument.

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    b) Explain (step by step) how you will print a document.

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6. a) Write short explanation on the following terms,

    i) Electronic mail

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    ii) Internet

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iii) Search engine

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b) Suppose that you are business man (or woman), use three (3) points to explain how an internet helps you in your business activities.

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c) Use two (2) points to explain how internet may negatively affect our culture.

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7. a) Give the difference between System software and application software .

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b)   Write down four (4) functions performed by an operating system.

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c)   Identify four (4) types of operating system.

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8.   a)   Write short explanation on the term Central Processing Unit (CPU).

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b) Arithmetic and Logic Unit, Control Unit and Memory (or Storage) Unit are three main parts of CPU. Analyse two (2) functions performed by each part of the CPU.

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9. a) Computers and calculators are widely used in everyday life. Give three (3) differences between calculator and a computer.

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b) Every computer generation is associated with specific characteristics. Identify four (4) main characteristics of the first generation of computers.

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10.   a)   Convert the following

      i)   3GB   in to KB

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      ii)   8 MB in to Bytes

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    b)   Explain the importance of information to a society (Use two (2) points).

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    c)   Give four (4) differences between traditional ways and modern ways of disseminating information.

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SECTION C: (10 Marks)

Answer only ONE (1) question in this section.

11.   a)   Briefly explain the term primary memory.

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      b)   State the main function of a RAM.

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      c)   Show three (3) differences between RAM and ROM.

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12.   a)   i)   Write brief explanation on the term cell.

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ii) If one of the cell on a spreadsheet is named as **D5**,

The letter D represents ………………………………….

Number 5 represents …………………………………

b) Study the spreadsheet table below and then answer the questions that follow.

	A	B	C	D	E	F	G
S/N	REG. NUMBER	**NAME OF STUDENT**	**ARABIC**	**MATH**	**ENGL**	**TOTAL**	**AVERAGE**
3	001	SULEIMN JAFFAR	34	45	32		
4	002	AZZA MGUBI	30	34	38		
5	003	JULIUS JAMES	56	39	54		
6	004	FATMA SAAD	66	12	67		
7	005	JAMILA NOUR	34	23	23		
8	006	ZULFIYA MSELWA	44	65	34		
9	007	MANDOLWA MAIKO	89	78	45		
10	008	RUBEN MSHEBA	80	65	65		
11	009	SOPHIA NDALA	25	98	76		

Write a formula

i) That will help you to find the average scored by SULEIMAN JAFFAR

ii) To be used if you want to calculate the sum of marks obtained by JAMILA NOUR

iii) That will help you to determine the minimum marks on English subject.

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