**OPENER EXAMINATION: TERM 1 2024**

**COMPUTER STUDIES**

**451**

**FORM TWO**

**Time: 2½ Hours**

**Name**: …………………………………………………………. **Adm** **No**: ……………….

**Class**: …………………..

**Signature**: …………………………………………………….. **Date**: …………………...

**INSTRUCTION TO CANDIDATES**

* Write your name and admission number in the spaces provided above.
* This paper consists of **Two** sections **A** and **B.**
* Answer **ALL** questions in section **A.**
* Answer question 16 and any three in section B.
* All answers should be written in the spaces provided on the question paper.

**FOR EXAMINER’S USE ONLY**

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| --- | --- | --- |
| **SECTION** | **QUSTIONS** | **CANDIDATE’S SCORE** |
| A | 1 -15 |  |
| B | 16 |  |
| 17 |  |
| 18 |  |
| 19 |  |
| 20 |  |
|  | **TOTAL SCORE** |  |

**SECTION A (40MARKS)**

**ANSWER ALL THE QUESTION IN THIS SECTION**

1. State **three** functions of Central Processing Unit. (3 marks)

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1. State **two** ways of warm booting a computer. ( 2mks)

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1. Explain **three** ways in which a computer system can be used in electing a school captain. (3mks)

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1. List **four** factors to be considered when purchasing an operating system. (2mks)

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1. Distinguish between ROM and RAM (2marks)

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1. Outline two advantages of hard disk over floppy disk. (2marks)

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1. State two reasons to justify why computer users are always advised to follow the right

Procedure of shutting down **(2marks)**

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1. Mention three reasons why a calculator is a computer. (3 marks)

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1. List three causes of computer data loss. (3 marks)

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1. Mention two characteristics of random access memory. (2 marks)

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1. State four situations when a computer user will be required to format a disk. (4 marks)

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1. Give three reasons why one may go for hardcopy output. (3 marks)

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1. Explain three types of computer buses. (3 marks)

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1. List three factors that determine the cost of a computer. (3 marks)

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1. State three characteristics which make computers better than human beings. (3 marks)

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**SECTION B (60 MARKS)**

**ANSWER QUESTION 16 AND ANY OTHER THREE QUESTIONS FROM THIS SECTION**

1. a) name four different types of ROM.(4 marks)

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b) Give three characteristics of ROM. (3 marks)

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c) Name four components found in the System unit. (4 marks)

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d) Explain the correct procedure for shutting down the computers in the computer

Laboratory. (4 marks)

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1. a) write the following abbreviations in full: (5 marks)
2. CPU
3. ALU
4. RAM
5. MICR
6. OMR

b) State four limitations of speech recognition devices found today. (4 marks)

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c) State three advantages of using a bar code reader. (3 marks)

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d) State three types of processors. (3 marks)

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1. a) State five disadvantages of using computers. (5 marks)

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b) What is a computer laboratory? (2 marks)

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c) State four factors to be considered when setting up a computer laboratory. (4 marks)

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d) State four categories of keys on the key board. (4 marks)

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1. a) State five functions of the operating system. (5 marks)

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b) State four ways of identifying an illegal copy of an operating system. (4 marks)

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c) Give three details about a file that is stored by an operating system. (3 marks)

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d) List any three programs that always run in the background when a computer is started. (3 marks)

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1. a) State four major categories of computer hardware. (4 marks)

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b) State four factors to consider when buying/selecting a monitor. (4 marks)

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c) State three disadvantages of using printers. (3 marks)

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d) In order to enable the control unit to carry out various functions, certain registers are used. Name four major types of registers. (4 marks)

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***HAPPY HOLIDAYS!!!***

***ICT DEPARTMENT***