**NAME:………………………………………………………………………….CLASS:………..ADMNO:…….**

**OPENER EXAMINATION: TERM 1 2024**

**COMPUTER STUDIES**

**FORM 3**

**ANSWER ALL QUESTIONS TIME: 2 HOURS**

1. The diagram below represents the essential features of a computer system. Study the diagram and answer the questions that follow.

A

B

Output Device

C

D

Secondary Storage

1. Name the components [4mks]

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 B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. On the diagram above, indicate the direction of data flow using arrows. [3mks]
2. Name and explain the **three** types of buses in a computer system. [6mks]

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1. Describe the functions of the following computer hardware components. [4mks]
2. Mouse

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1. Scanner

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1. State any **two** features of a user-friendly program. [2mks]

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1. Differentiate between COM ports and LPT ports. [4mks]

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1. Explain the term portability in reference to hardware and software. [4mks]

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1. Explain **three** ways in which computer viruses are spread from one computer to another.[6mks]

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1. a) What is a computer laboratory? [2mks]

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b) State **three** possible causes of fire outbreak in a computer laboratory. [3mks]

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 c) State **three** measures that should be put in place in a computer laboratory to safeguard users’ health. [3mks]

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1. Give **three** differences between Post Office mail and electronic mail (email). [3mks}

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1. Other than I/O devices, list other four devices under the control of the operating system.[4mks]

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1. Differentiate between Cache and Buffer memories. [4mks]

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1. i) State **three** importance of internet to society. [3mks]

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ii) Describe **four** challenges that internet has brought to society. [4mks]

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1. i) What is a computer keyboard? [2mks]

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ii) Name and explain the function of the following key symbols found in a keyboard.

i) [2 mks]



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ii) [2 mks]



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iii) [2 mks]



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1. A computer laboratory experiences power supply problems. Describe three power related problems that should be addressed. [6 mks]

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1. List the **three** categories of system software. [3mks]

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1. State **five** file details that are assigned a file by the operating system which can assist in tracing the file. [5mks]

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1. State **three** advantages of word processors over manual typewriter. [3mks]

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1. List **three** editing features of word processing. [3mks]

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1. List **three** types of font types used in word processing. [3mks]

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1. Describe each of the following computer crimes. [3 Marks]
2. Hacking

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1. Piracy

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1. Sabotage

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1. Mwende noticed that her PC is taking too long to load programs and files. The computer technician informed her that there was a high possibility it a virus.
2. What is a computer virus? [1 Mark]

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1. Give any **three** sources of a computer virus. [3 Marks]

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1. List any **three** measures that Mwende needs to put into place to protect her computer from virus infection. [3 Marks]

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