GRADE 10

END - TERM TWO 2026 ASSESSMENT.

SUBJECT: COMPUTER STUDIES

NAME_____. ADM NO_____

CLASS_____ DATE _____.

TIME 1HR:20MINS

INSTRUCTIONS: ANSWER ALL THE QUESTIONS.

SECTION A: (15 MARKS)

1. Define the term **computer storage**. (1 mark)

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2. State one difference between **RAM** and **ROM**. (1 mark)

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3. Give one example of a **remote storage** service. (1 mark)

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4. Name the CPU component responsible for performing arithmetic and logical operations. (1 mark)

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5. State the function of the **Control Unit (CU)**. (1 mark)

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6. What is the purpose of the **Program Counter (PC)** register? (1 mark)

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7. Name the three stages of the **Fetch–Decode–Execute Cycle**. (3 marks)

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8. State one function of an operating system. (1 mark)

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9. Differentiate between a **single-user operating system** and a **multi-user operating system**. (2 marks)

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10. Name one type of computer port used to connect peripherals to a computer. (1 mark)

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11. What is a computer network? (1 mark)

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12. State one advantage of using a computer network. (1 mark)

SECTION B: (35 MARKS)

13. a) Distinguish between **Primary Storage** and **Secondary Storage**. (2 marks)

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a) State two advantages of a **Solid State Drive (SSD)** over a **Hard Disk Drive (HDD)**. (2 marks)

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c) Explain three safety measures that can be used to protect data stored in a computer. (3 marks)

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14. a) Draw a well-labelled block diagram showing the main components of the CPU. (3 marks)

b) Explain the role of each of the following CPU registers: (4 marks)

i. Instruction Register (IR) (1 mark)

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ii. Memory Address Register (MAR) (1 mark)

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iii. Memory Data Register (MDR) (1 mark)

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iv. Accumulator (1 mark)

Question 15 (7 Marks)

15. State four functions of an Operating System. (4 marks)

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b) Differentiate between:

i. GUI and CLI (Command Line Interface) operating system interfaces. (2 marks)

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ii. Single-tasking and Multi-tasking operating systems. (1 mark)

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16. A school intends to set up a computer network to connect computers in the administration office.

a) Define the term **computer network**. (1 mark)

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b) State three benefits of networking computers in an organization. (3 marks)

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c) Name and explain three networking devices used in computer networks. (3 marks)

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17. A student is required to develop a program that inputs three subject marks, calculates the total marks and displays the result.

a) Write a pseudocode for the above problem. (4 marks)

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b) Draw a flowchart to represent the solution. (3 marks)