Entry Test
Academic Session 2025-26

COMPUTER SCIENCE

Total Marks | **25**

45 minutes
Class: IGCSE level III (X)

Fill in these boxes and read what is printed below:

Candidate Name

Date

Read Carefully

1   **Write your answers in black ink in the space provided.**

2   **Before leaving the examination room, you must give this paper to the invigilator, if you do not, you may lose all the marks for this paper.**

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Total Marks		Marks Obtained		Percentage	

Question 1

  a) One of the buses found in typical microprocessor architecture is Control Bus. Describe its purpose.

....

....

....

Give one example of control signal is used

....[2]

Name and describe two other buses used in typical microprocessor architecture.

1..

....

....

....

2..

....

....

....[4]

Question 2

Give the functions of Operating System.

1..

2..

3...[3]

Question 3

Give the factors affecting computer overall performance.

1..

2..

3...[3]

Question 4

  a) Write any two differences between Compiler and Interpreter

1...

....

2...

....[2]

b) Identify two advantages to the programmer of using a low-level language instead of a high-level language.

1...

....

2...

....[2]

c) Suggest one disadvantage to the programmer of using a low-level language instead of a high-level language.

.... [1]

d) The programmer uses an integrated development environment (IDE) when creating the computer program. Write any two features of IDE.

1...

2...[2]

Question 5

The incomplete table below shows descriptions and terms relating to malware.

(a) Complete the table with appropriate descriptions and terms.

	Description	Term
A	Unsolicited emails containing advertising material sent to a distribution list	....
B	A standalone piece of malicious software that can reproduce itself automatically.	....
C	....	Pharming
D	....	Phising

[4]

(b) For one of the terms, describe:

- a problem that might arise for a user

- a possible solution to the problem

Choose between the terms:

A / B (circle your choice)

Problem

....

....

Solution

....

....[2]