Write your name here

Surname	Other names

Scholarship Paper 2026

Subject: ICT

Time: 1 Hour

You must have:
Pen
Pencil

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name.
- Answer the questions in the answer sheets provided**.**
  - *there may be more space than you need.*

Information

- The total mark for this paper is **60**
- The marks for **each** question are shown in brackets
  - *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Write your answers neatly and in good English.
- Try to answer every question.
- Check your answers if you have time at the end.

Section A: THEORY

1. Which of the following best describes an Operating System?

A) A program used for writing documents
B) Software that manages hardware and software resources
C) A type of internal memory
D) A device for connecting to the internet

[1 mark]

2. What is the main purpose of an input device?

A) To store data permanently
B) To display information to the user
C) To send data to the computer for processing
D) To perform calculations

[1 mark]

3. Which component is often referred to as the "brain" of the computer?

A) RAM
B) Hard Disk
C) Motherboard
D) CPU

[1 mark]

4. List THREE examples of application software.

i. _____

ii. _____

iii. _____

[3 marks]

5. Describe the difference between Hardware and Software.

_____

_____

_____

_____

[4 marks]

6. The table below shows four types of computer components. Draw a line to match each component with its correct description.

Component	**Description**
RAM	A permanent storage for the boot-up instructions.
ROM	Connects all internal components together.
Motherboard	Temporary memory that is volatile.
CPU	Processes all instructions and calculations.

[4 marks]

7. Explain why backing storage (e.g., a hard drive) is necessary, even though a computer has RAM.

_____

_____

_____

_____

[2 marks]

8. Underline TWO items that are considered output devices.

Printer, Scanner, Microphone, Monitor, Keyboard, Speaker

[2 marks]

9. A student is saving their project file to 'the cloud'. Describe with examples what this means.

_____

_____

_____

[2 marks]

10. Modern smart refrigerators can be considered computer systems.

a) Describe **THREE** features that define a smart refrigerator as a computer system.

i. _____

ii. _____

iii. _____

[3 marks]

b) List and explain **TWO** hardware components inside this refrigerator that are critical to its operation.

i. Name of hardware: _____

Explanation: _____

_____

ii. Name of hardware: _____

Explanation: _____

_____

[4 marks]

11. Describe the difference between system software and application software.
Provide **ONE** example of each.

_____

_____

_____

_____

[4 marks]

12. Many people use fitness trackers (like a Fitbit).

Describe **TWO** advantages of using a fitness tracker over a smartphone for monitoring health and exercise.

i.

_____

_____

ii.

_____

_____

[2 marks]

13. 'Digital Citizenship' refers to acting responsibly and safely online.
Discuss **TWO** responsibilities of a good digital citizen and explain why they are important.

_____

_____

_____

_____

_____

_____

_____

_____

[4 marks]

Section B: PRACTICAL IN THEORY

1. Variables are used in programming to store information.

i. In Python, which line of code correctly creates a variable?

A. int name = "Alex"
B. name == "Alex"
C. name = "Alex"
D. let name = "Alex"

[1 mark]

ii. Create a variable named score and assign the value 100 to it.

_____

[1 mark]

2. Write a line of Python code that will display the following message exactly:
Welcome to the Peponi School!

_____

[1 mark]

3. Comparison operators are used to compare two values.
List **TWO** Python operators you could use to check if a variable age is greater than or equal to 18.

i. _____

ii. _____

[2 marks]

4. What is the output of the following Python code?

```
python
fruits = ["Apple", "Banana", "Cherry"]
print(fruits[0])
```

A. Banana
B. Apple
C. Cherry

[1 mark]

5. Write a simple Python program that asks the user for their name and then prints a personalised greeting like "Hello, [name]!".

_____

_____

_____

[3 marks]

6. Write a Python program that asks a user to input a number. If the number is positive, the program should print "The number is positive."

_____

_____

_____

[3 marks]

7. You are provided with the following data in a Microsoft Excel worksheet:

	A	B	C	D	E	F
1	**Product**	**Q1 Sales**	**Q2 Sales**	**Q3 Sales**	**Total Sales**	**Bonus?**
2	Widget A	150	200	170	520	Yes
3	Widget B	90	110	95	295	No
4	Widget C	200	190	210	600	Yes
5	Widget D	70	80	65	215	No
6						
7	Total Products	4				
8	Products with Bonus	2				
9	Highest Total Sales	600				
10	Average Q1 Sales	127.5				

a) Write the formula used to calculate the **Total Sales** for *Widget A* in cell **E2**.

_____

[2 marks]

b) Write the formula used to count the **Total Products** in cell **B8**.

_____

[2 marks]

c) Write a formula to count how many products have the value "Yes" in the **Bonus?** column (F2:F5).

_____

[2 marks]

d) Write a formula to find the **Highest Total Sales** in cell **B10**.

_____

[2 marks]

e) Write a formula to calculate the **Average Q1 Sales** in cell **B11**.

_____

[2 marks]

f) The **Bonus?** column shows "Yes" if Total Sales are 300 or more. Write the IF function used in cell F2 that could be copied down to F5.

_____

[2 marks]