

HOMEWORK SHEET

Name : _____ Date : _____ Class : _____



REMINDER

Use your workbook and knowledge organiser to help you

A. RETRIVAL (recall key facts)

5 Marks

1. Write the full term represented by CPU.
2. Identify two components found inside the CPU.
3. What is the purpose of the Control Unit?
4. Which component performs arithmetic and logical calculations?
5. Define the term 'cache memory'.



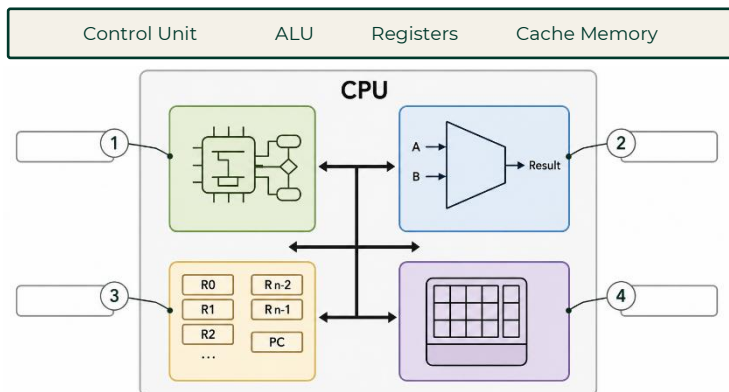
EXAM TIP

Use your workbook and knowledge organiser to help you.

B. APPLICATION (Apply your knowledge)

10 Marks

1. Study the CPU diagram. Add the correct technical label to each numbered part.



2. Explain how cache memory can improve CPU performance.

3. Explain why registers are required inside the CPU.

4. Give one input device and one output device used by a desktop computer.

C. EXAM QUESTION

6 Marks

A student claims that the Program Counter stores the instruction currently being decoded. Explain why this claim is incorrect and describe the actual purpose of the Program Counter.



COMMON MISCONCEPTION

Confuses the Program Counter with the MAR.



STRETCH CHALLENGE

4 Marks

A processor is redesigned without cache memory. Explain two effects this would have on performance. [4 marks]

SELF REFLECTION

Rate your confidence in this topic



(Low)



2



3



4



(High)

What will you do to improve?
