

Oxford Revise | OCR Computer Science | Answers

Chapter 5 Electronic memory

Question	Answer	Extra information	Marks	AO / Specification reference
1 (a)	One from: RAM is volatile; ROM is permanent (not volatile) RAM can be read from and written to; ROM can only be read from RAM is high capacity; ROM is low capacity	This question asks for one difference between RAM and ROM, so don't give more than one difference, but include both RAM and ROM in your answer.	1	AO1 1.2.1
1 (b)	RAM holds data and instructions (currently in use) ROM holds start-up instructions	1 mark for a use of RAM and 1 mark for a use of ROM.	1 1	AO1 1.2.1



Question	Answer		Extra information	Marks	AO / Specification reference
2	RegisterAccumulatorMemory address registerMemory data registerMemory data registerProgram Counter	RoleTo store intermediate logical or arithmetic data in multistep calculations.Holds the memory address of where data will be fetched from, or stored to.Holds the data that has been fetched from memory or will be stored to RAM after being processed.Holds the memory address of the next instruction to be executed.	1 mark for each correct answer. The shaded parts of the table contain the text given in the question.	1 1 1 1	AO1 1.1.1