

# 1.3 Input, Output & Storage

Input, Output & Storage / RAM & ROM

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Total Marks

/15

- 1 A small manufacturing business uses networked computers with closed source application software installed.

The business uses virtual storage to hold regular backups of all of its data.

**Explain why** virtual storage is well-suited for storing backups.

(2 marks)

- 2 OCR Insurance uses a computer system to calculate the price that customers pay for car insurance.

The computer system contains a CPU, GPU, RAM and ROM.

**Explain the difference** between **RAM** and **ROM**, including how these are used by the computer system.

(4 marks)

- 3 OCR Insurance uses a computer system to calculate the price that customers pay for car insurance.

OCR Insurance's computer system uses secondary storage across the company in servers, client machines and for backup purposes.

For each of these, **discuss** whether **magnetic storage** or **solid state storage** would be most suitable, taking into account the advantages and disadvantages of both.

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(9 marks)