

**03** A student is asked to compare solid state drives, magnetic hard drives and optical media such as CDs. This is the student's answer:

"Both a solid state drive and a hard drive contain moving parts although the way they store data is different. A solid state drive does not use a laser to read data but hard drives and optical media both do. Both solid state drives and hard drives can have large storage capacities but a hard drive's capacity is commonly greater. Both can be greater than standard CDs. Data is read more quickly from a hard drive than from a normal CD. Data is also read more quickly from a hard drive than from a solid state drive."

The student has made factual errors in their answer. One error is stated and explained below (the explanation contains the reason why it is an error):

Error 1 A solid state drive contains moving parts.

Explanation 1 A solid state drive is made of electrical circuits.

**03.1** State and explain **two** further errors the student has made in their answer.

**[4 marks]**

Error 2 .....

Explanation 2 .....

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Error 3 .....

Explanation 3 .....

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**03.2** Both a solid state drive and a hard drive are examples of secondary storage. Explain why secondary storage is often needed as well as RAM in computer systems.

**[2 marks]**

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