

Unit 4 Questions

01 Draw the logic symbol for a NOT gate

[1 mark]

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02.1 Describe **one** difference between system software and application software

[2 marks]

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02.2 Describe **two** different functions performed by an operating system

[4 marks]

Function 1:

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Function 2:

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03.1 State what an assembly language program must be translated into before it can be executed.

[1 mark]

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03.2 State **two** reasons why a programmer, who can program in both high-level and low-level languages, would usually choose to develop in a high-level language.

[2 marks]

1.

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2.

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04.1 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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04.2 Main memory is any form of memory that is directly accessible by the CPU, except for cache and registers. Explain how main memory is used.

[3 marks]

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04.3 The cost and physical size of RAM and secondary storage are normally different. Describe **two** other differences between RAM and secondary storage.

[2 marks]

1.
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2.
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04.4 Explain how a solid state hard disk drive (SSD) operates.

[4 marks]

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04.5 Computer users will often store their data 'in the cloud'. State **three** reasons why you might want to use cloud storage rather than local storage.

[3 marks]

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