

4 (a) Identify **one** benefit of circuit switching **and one** benefit of packet switching.

Circuit switching

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Packet switching

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[2]

(b) Identify **two** differences between circuit switching and packet switching.

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[2]

3 Describe how packet switching is used to pass messages across a network. Do **not** include checking for completeness and resending packets in your answer.

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[4]

4 Circuit switching may be used as a method of data transmission.

State **two** benefits and **two** drawbacks of circuit switching.

Benefit 1

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Benefit 2

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Drawback 1

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Drawback 2

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[4]

3 (a) Describe circuit switching as a method of data transmission.

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[3]

(b) State **one** benefit and **one** drawback of circuit switching as a method of data transmission.

Benefit

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Drawback

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[2]

- 1 (a) Describe how packet switching is used to transmit messages across a network.

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..... [3]

- (b) State **two** benefits and **two** drawbacks of packet switching as a method of transmitting messages across a network.

Benefit 1

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Benefit 2

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Drawback 1

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Drawback 2

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[4]

- 3 (a) Describe circuit switching as a method of data transmission.

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..... [3]

- (b) State **one** benefit and **one** drawback of circuit switching as a method of data transmission.

Benefit

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Drawback

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[2]