

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

Circuit switching
.....

Packet switching
.....

[2]

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

1
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2
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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

.....

Drawback 2

.....

[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

.....

Drawback

.....

[2]

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

[3]

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

Benefit 1

Benefit 2

Drawback 1

Drawback 2

[4]

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

[3]

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

Benefit

Drawback

[2]