Started on	Thursday, 7 March 2019, 6:20 PM
State	Finished
Completed on	Thursday, 7 March 2019, 6:21 PM
Time taken	1 min 17 secs
Marks	6.00/6.00
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

Which of the following delays is significantly affected by the load in the network?

Select one:

- a. Processing delay
- b. Queuing delay ✓
- c. Transmission delay
- d. Propagation delay

Your answer is correct.

The correct answer is: Queuing delay

Question **2**

Correct

Mark 1.00 out of 1.00

Packet switching, instead of circuit switching, is generally used to transfer data in the Internet.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question **3**

Correct

Mark 1.00 out of 1.00

Propagation delay depends on the size of the packet.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question **4**

Correct

Mark 1.00 out of 1.00

Consider a packet that has just arrived at a router. What is the correct order of the delays encountered by the packet until it reaches the next-hop router?

Select one:

- a. Transmission, processing, propagation, queuing
- b. Propagation, processing, transmission, queuing
- c. Processing, queuing, transmission, propagation ✓
- d. Queuing, processing, propagation, transmission

Your answer is correct.

The correct answer is: Processing, queuing, transmission, propagation

Question **5**

Correct

Mark 1.00 out of 1.00

Read the article "Ripple: Communicating through Physical Vibration" available from Moodle. Which of the following physical media the authors propose to use for transmitting bits from one device to another?

Select one:

- a. Ethernet
- b. coax cable
- c. DSL
- d. None of the above ✓

Your answer is correct.

The correct answer is: None of the above

Question **6**

Correct

Mark 1.00 out of 1.00

Watch the video linked to the Moodle page for Week 1 (Remote machinery control over networks from Ericsson). It seems you need very small delay in the network to be able to control such machines remotely. Which of the following improvements could help reduce the delay most effectively?

Select one:

- a. Use fibre optic cables
- b. Reduce packet header size ✓
- c. Use routers with larger buffers to hold more packets in the queue (reduce buffer overflow and packet loss)
- d. Use a satellite link

Your answer is correct.

The correct answer is: Reduce packet header size