Started on	Friday, 2 August 2024, 9:02 AM
State	Finished
Completed on	Friday, 2 August 2024, 9:09 AM
Time taken	6 mins 45 secs
Grade	18.00 out of 20.00 (90 %)

Question 1

Correct

Mark 2.00 out of 2.00

Consider the following two statements:

S1: Time Division Multiplexing is an example of Circuit Switching

S2: Frequency Division Multiplexing is an example of Packet Switching

Select one or more:

- A. Both statements are incorrect
- B. Both statements are correct
- C. S1 is incorrect but S2 is correct
 - D. S1 is correct but S2 is incorrect 🗸

Question 2

Correct

Mark 2.00 out of 2.00



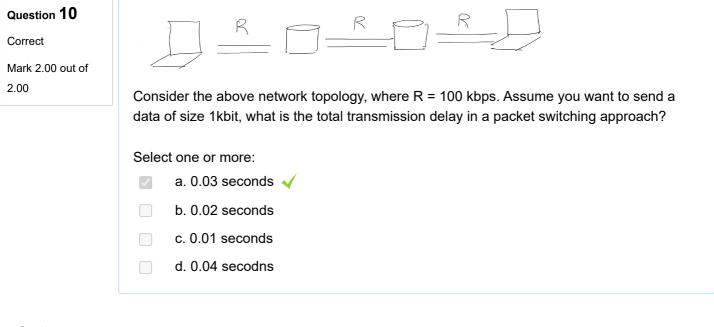
Consider a circuit switched network with each link having a single circuit of bandwidth 100 kbps. What is the transmission delay for sending 1 kbit data?

Select one or more:

- a. 0.03s
- b. 0.02s
- c. 0.04s
- ✓ d. 0.01s ✓

Question 3 Correct	Select all that statements that are true for packet switching.
Mark 2.00 out of 2.00	
2.00	Select one or more:
	Guarantees fixed bandwidth for the entire duration of data transfer
	b. Is more resource efficient
	c. Resource reservation is done before transmission
	✓ d. Provides best effort delivery ✓
Question 4	Transport-layer protocol encapsulates application-layer message, M, with transport
Correct	layer-layer header (h1) to create a transport-layerx
Mark 2.00 out of	Network-layer protocol encapsulates transport-layerx with network layer header(h2) to greate network layer.
2.00	header(h2) to create network layery Link-layer protocol encapsulates network layery with with link-layer
	header(h3) to create link layerz
	x, y, z are:
	A, y, 2 are.
	Select one or more:
	☑ a.
	Segment, Datagram, Frame
	\checkmark
	b.
	Frame, Datagram, Segment
	c.
	Frame, Segment, Datagram
	d.
	Datagram, Frame, Segment
Question 5	Select all layers that are found in IP protocol stack.
Correct	
Mark 2.00 out of	Select one or more:
2.00	a. Session layer
	b. Presentation layer
	☑ d. Network layer ✓

Question 6	Congestion control needs to be implemented in a circuit-switched network
Correct	Select one:
Mark 2.00 out of	O True
2.00	
	False √
Question 7	Network layer is responsible for providing host-to-host connectivity
Correct	
Mark 2.00 out of	Select one:
2.00	True ✓
	○ False
Question 8	Which statements are true for end-to-end design principle?
Correct	Salast and as mare.
Mark 2.00 out of	Select one or more:
2.00	a. It provides greater flexibility in implementing some network services
	b. It improves the security of the network
	c. It simplifies application design
	☑ d. It simplifies router design ✓
Question 9	In-network support for reliability is useful because of the following reasons (select all
Incorrect	that apply):
Mark 0.00 out of	Select one or more:
2.00	a. Simplifies the router design
	✓ b. Better performance ✓
	d. Reduces overall cost



◄ Gradescope

Jump to... ✓

Assignment-1 ▶