Bridging and Network Layer Pt.1

Due Mar 11 at 11:59pm   **Points** 10   **Questions** 10   **Time Limit** None

Attempt History

	Attempt	**Time**	**Score**
LATEST	**Attempt 1**	less than 1 minute	10 out of 10

Score for this quiz: **10** out of 10

Submitted Feb 26 at 6:57pm

This attempt took less than 1 minute.

Question 1   1 / 1 pts

Physical Hubs and Repeaters operate at what layer of the OSI Model?

○ Data-Link

○ Transfer

○ Network

Correct! ◉ Physical

Question 2   1 / 1 pts

What is one main benefit of the bridge?

○ There is no concept of routing tables

Correct!

⦿ Limits the size of collision domains

○ Does not need memory buffers like hubs do.

○ Allows us to use IP Addresses

Question 3   1 / 1 pts

Bridges use IP routing tables in order to get Ethernet Frames to their destination.

○ True

Correct!

⦿ False

Question 4   1 / 1 pts

What occurs if the sender sends a frame to a destination that does not have an entry in the Bridge's Forwarding Table?

○ Broadcast on ALL ports.

○ Drop the Frame

Correct!

⦿ Broadcast on ALL ports except the port it came in on.

○ Exponential Backoff

Question 5   1 / 1 pts

What do we use in order to eliminate loops in our bridging environment?

○ STO

Correct!

◉ STP

○ TPS

○ SCADA

Question 6   1 / 1 pts

If you plug in 5 switches and cut them on, who is the Root Switch?

Correct!

◉ All Bridges assume they are root

○ The root has not been designated yet

○ The last one plugged in

○ The first one plugged in

Question 7   1 / 1 pts

What Data units are used for Bridges to build a tree?

○ Exponential Backoff operates in multiples of 512 bits

Correct!

◉ BPDU

○ BRDU

○ PILS

Question 8   1 / 1 pts

A Root Port is the port that is directly connected to the root switch.

○ True

Correct!

◉ False

Question 9   1 / 1 pts

The Path Cost is the cost (in hops) from a transmitting bridge to the root.

Correct!

◉ True

○ False

Question 10   1 / 1 pts

[Select all that apply] Based on received BDUs, each switch chooses:

Correct!

☑ A New Designated Bridge

☐ Exponential Backoff operates in multiples of 512

Correct!

☑ A New Root

☐ A New Hostname in case of Collisions

Correct!

☑ A New Root Port

☐ How many devices can connect to it

Quiz Score: **10** out of 10