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State Finished

Completed on Tuesday, 21 November 2023, 7:53 PM

Time taken 4 mins 54 secs

Marks 15.00/15.00

Grade **10.00** out of 10.00 (**100%**)

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following layers exist in TCP IP Five layer, network model check all that apply.

- ☐ a. Presentation layer.
- ☐ b. Application layer.
- ☐ c. Physical layer.
- ☐ d. Session layer.
- ☒ e. Transport layer. ✓

The correct answer is: Transport layer.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following remembers the Mac address of the device connected to each interface?

- ☐ a. Hub
- ☒ b. switch. ✓

The correct answer is: switch.

Question 3

Correct

Mark 1.00 out of 1.00

Which of the layers responsible for transmitting the signal?

- ☐ a. Application Layer
- ☒ b. Physical layer ✓
- ☐ c. network layer
- ☐ d. data link layer.

The correct answer is: Physical layer

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following is true about network port?

- ☒ a. Activity LED blinks when the data is actively transmitted across the cable. ✓
- ☐ b. Activity LED lights when two devices are connected and both powered on.
- ☒ c. Link LED lights when two devices are connected and both powered on. ✓
- ☐ d. Link LED blinks when data is actually transmitted across the cable.

The correct answers are: Link LED lights when two devices are connected and both powered on., Activity LED blinks when the data is actively transmitted across the cable.

Question 5

Correct

Mark 1.00 out of 1.00

_____ Sent a message to your selected destination based on its MAC address.

- ☐ a. Hub.
- ☒ b. Switch. ✓

The correct answer is: Switch.

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following is correct?

- ☒ a. HUB is a physical layer device. ✓
- ☐ b. Switch is a physical layer device.
- ☐ c. Hub is a network layer device.
- ☐ d. Switch is a Network layer device.

The correct answer is: HUB is a physical layer device.

Question 7

Correct

Mark 1.00 out of 1.00

_____ Sent a message to a selected destination based on its MAC address.

- ☒ a. switch. ✓
- ☐ b. Hub

The correct answer is: switch.

Question 8

Correct

Mark 1.00 out of 1.00

_____ is responsible for getting data delivered across a collection of networks.

- ☐ a. Application layer.
- ☐ b. Transport layer.
- ☒ c. Network layer. ✓
- ☐ d. Physical layer.

The correct answer is: Network layer.

Question 9

Correct

Mark 1.00 out of 1.00

Given that the same number of devices are connected which among hub and switch causes a larger collision domain.

- ☒ a. Hub. ✓
- ☐ b. Switch.

The correct answer is: Hub.

Question 10

Correct

Mark 1.00 out of 1.00

2.A _____ is a standard set of rules that allow electronic device to communicate and understand one another.

- ☐ a. Servers.
- ☐ b. Rules.
- ☒ c. Protocol. ✓
- ☐ d. Standards.

The correct answer is: Protocol.

Question 11

Correct

Mark 1.00 out of 1.00

_____ Is it responsible for ensuring that data gets to the right process (application)?

- ☐ a. Application layer.
- ☐ b. Physical layer.
- ☒ c. Transport layer. ✓
- ☐ d. Network layer.

The correct answer is: Transport layer.

Question 12

Correct

Mark 1.00 out of 1.00

The physical layer translates logical communication requested from the _____ Into hardware specific operations.

- ☐ a. Application layer.
- ☐ b. Transport layer.
- ☐ c. Network layer.
- ☒ d. Data link layer. ✓

The correct answer is: Data link layer.

Question 13

Correct

Mark 1.00 out of 1.00

Hub transfers the data to _____ connected to the hub.

- ☒ a. Every other. ✓
- ☐ b. Specific

The correct answer is: Every other.

Question 14

Correct

Mark 1.00 out of 1.00

Which of the following is true about the Mac address?

- ☒ a. MAC stands for media access control. ✓
- ☐ b. Two different devices can have the same MAC address, given that they are connected to different networks.
- ☐ c. Network hardware manufacturers ensure that the MAC address is unique.

The correct answer is: MAC stands for media access control.

Question 15

Correct

Mark 1.00 out of 1.00

The data link layer takes the packets from _____ and encapsulates them into frames for transmission.

- ☐ a. Application layer.
- ☒ b. Network layer. ✓
- ☐ c. Transport layer.
- ☐ d. Physical layer.

The correct answer is: Network layer.



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