

## Test 3

Question 1:

What is a type of logical topology?

- A. star
- B. hierarchical
- C. mesh
- D. token passing

Question 2:

What is the purpose of a NIC?

- A. establishes, manages, and terminates sessions between applications and manages data exchange between presentation layer entities
- B. provides the host's access to the medium
- C. provides services to application processes
- D. provides mechanisms for the establishment, maintenance, and termination of virtual circuits, recovery, and information flow control

Question 3:

At which layer of the OSI model is the NIC located?

- A. Layer 2
- B. Layer 3
- C. Layer 4
- D. Layer 5

Question 4:

Which layer of the OSI model describes networking media?

- A. network layer
- B. data link layer
- C. physical layer
- D. transport layer

Question 5:

Which material is used for network media?

- A. switch
- B. hub
- C. router
- D. fiber

Question 6:

What is the purpose of a repeater?

- A. connects a LAN to a WAN

- B. amplifies and retimes network signals
- C. records web pages and repeats them for other users
- D. relays time signals between network devices

Question 7:

At which OSI layer does a repeater function?

- A. 1
- B. 2
- C. 3
- D. 4

Question 8:

What is another name for a multi-port repeater?

- A. bridge
- B. host
- C. hub
- D. sequencer

Question 9:

A hub operates at which OSI layer?

- A. 1
- B. 2
- C. 4
- D. 6

Question 10:

Which statement best describes bridges and the way they make forwarding decisions?

- A. they operate at OSI Layer 2 and use IP addresses to make decisions
- B. they operate at OSI Layer 3 and use IP addresses to make decisions
- C. they operate at OSI Layer 2 and use MAC addresses to make decisions
- D. they operate at OSI Layer 3 and use MAC addresses to make decisions

Question 11:

What does a switch use to make data forwarding decisions?

- A. IP address
- B. MAC address
- C. network address
- D. subnetwork address

Question 12:

What is the primary purpose of a router?

- A. to make packet forwarding decisions based on physical addresses
- B. to make packet forwarding decisions based on logical addresses
- C. to make frame forwarding decisions based on physical addresses
- D. to make frame forwarding decisions based on port addresses

Question 13:

What are the most important traffic-regulating devices on large networks?

- A. hubs
- B. servers
- C. routers
- D. bridges

Question 14:

Because a cloud is not really a device, but a collection of assumed capabilities, which OSI layers are represented in a cloud?

- A. Layers 1-3
- B. Layers 1-4
- C. Layers 4-7
- D. Layers 1-7

Question 15:

Routers operate primarily at what layer of the OSI model?

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4