

**Exam : Alcatel-Lucent 4A0-100**

**Title : Alcatel-Lucent Scalable IP  
Networks**

**Version : Demo**

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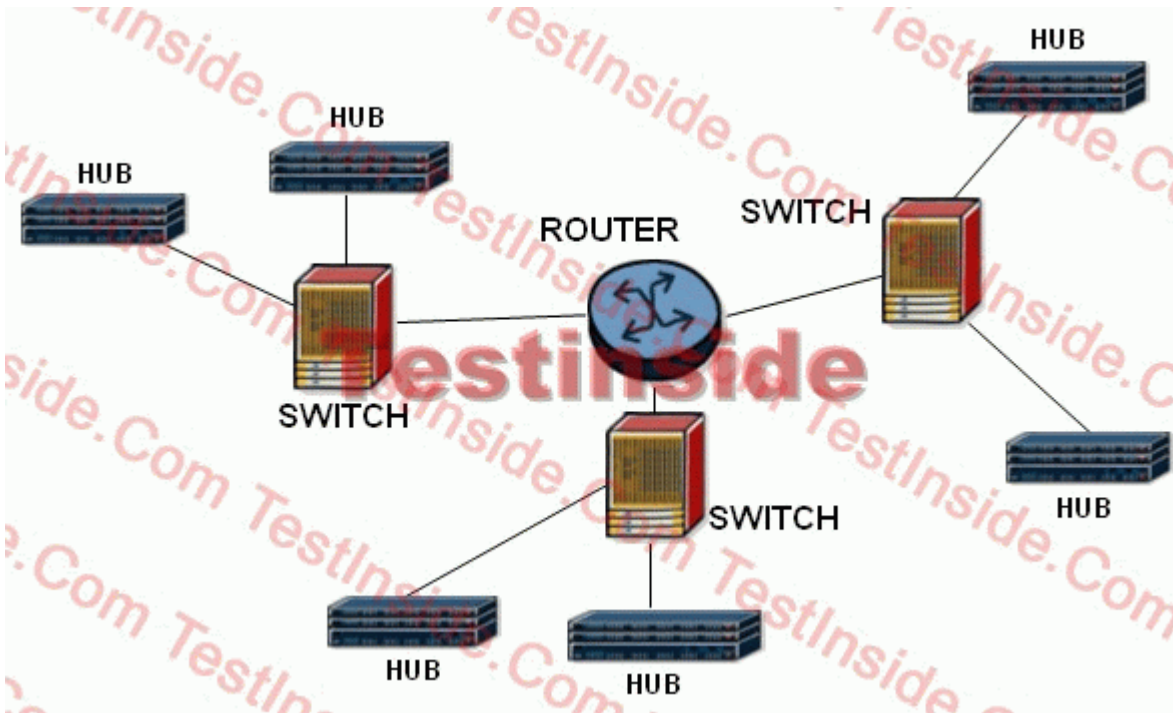
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1. Click the Exhibit Button below



An Ethernet Local Area Network (LAN) consists of the components shown in the diagram below:

How many broadcast and collision domains are on this LAN?

- A. 9 broadcast domains, 3 collision domains
- B. 3 broadcast domains, 3 collision domains
- C. 3 broadcast domains, 9 collision domains
- D. 1 broadcast domains, 9 collision domains

**Answer: C**

2. Which two 7750SR Service Router physical access methods are used to perform Out of Band (OOB) management? (Choose two.)

- A. console port
- B. management Ethernet port
- C. access ports
- D. network ports

**Answer: AB**

3. Given a network address of 116.14.0.0, which of the following is a valid host address when using the subnet mask 255.255.255.240?

- A.116.14.17.16
- B.116.14.17.31
- C.116.14.17.192
- D.116.14.17.189

**Answer: D**

4. A distance vector routing protocol uses which metric to choose the preferred route to a destination?

- A.bandwidth
- B.precedence
- C.hop count
- D.cost

**Answer: C**

5. In what OSPF area type will one see Type 7 LSAs.

- A.Not So Stubby Area (NSSA)
- B.Stub Area
- C.Backbone Area
- D.Normal Area

**Answer: A**

6. What is the network layer responsible for?

- A.Providing the physical address to the packet.
- B.Determining the path to the remote host.
- C.Providing reliable communications from host to host.
- D.Formatting the PDU.

**Answer: B**

7. Which of the following are basic router functions ? Choose two.

- A.Perform a Layer 2 header lookup
- B.Broadcast a Layer 2 packet to all the interfaces.

- C.IP header examination.
- D.Determine the best path to the destination.

**Answer:** CD

8. What is store/forward method of switching frames?
- A.The switch merely looks at the source mac address before switching
  - B.The switch looks at the source and destination mac address before switching.
  - C.The switch looks at the IP header information before switching
  - D.The switch receives the whole frame before switching.

**Answer:** D

9. Which of the following are data rates defined for Ethernet operation over copper and fiber optic cabling?

(Choose three.)

- A.1 Mbps
- B.10 Mbps
- C.1000 Mbps
- D.10,000 Mbps

**Answer:** BCD

10. The Media Access Control (MAC) sub-layer is responsible for which two functions? (Choose two.)

- A.directly interface with the transport layer
- B.link integrity testing
- C.physical addressing
- D.data transmission synchronization

**Answer:** CD

11. Which Ethernet frame field does the receiver use to verify the integrity of the received bits?

- A.Destination address
- B.Frame check sequence
- C.Preamble sequence

D.Length field

**Answer: B**

12. Which Ethernet frame fields are not considered when calculating the frame size? (Choose two.)

A.Frame check sequence

B.Preamble

C.Virtual Local Area Network (VLAN) tag

D.Start of frame delimiter

**Answer: BD**

13. Which of the following must be true for an Ethernet network to operate in full duplex mode? (Choose two.)

A.dedicated point-to-point connectivity

B.collision detection circuit enabled

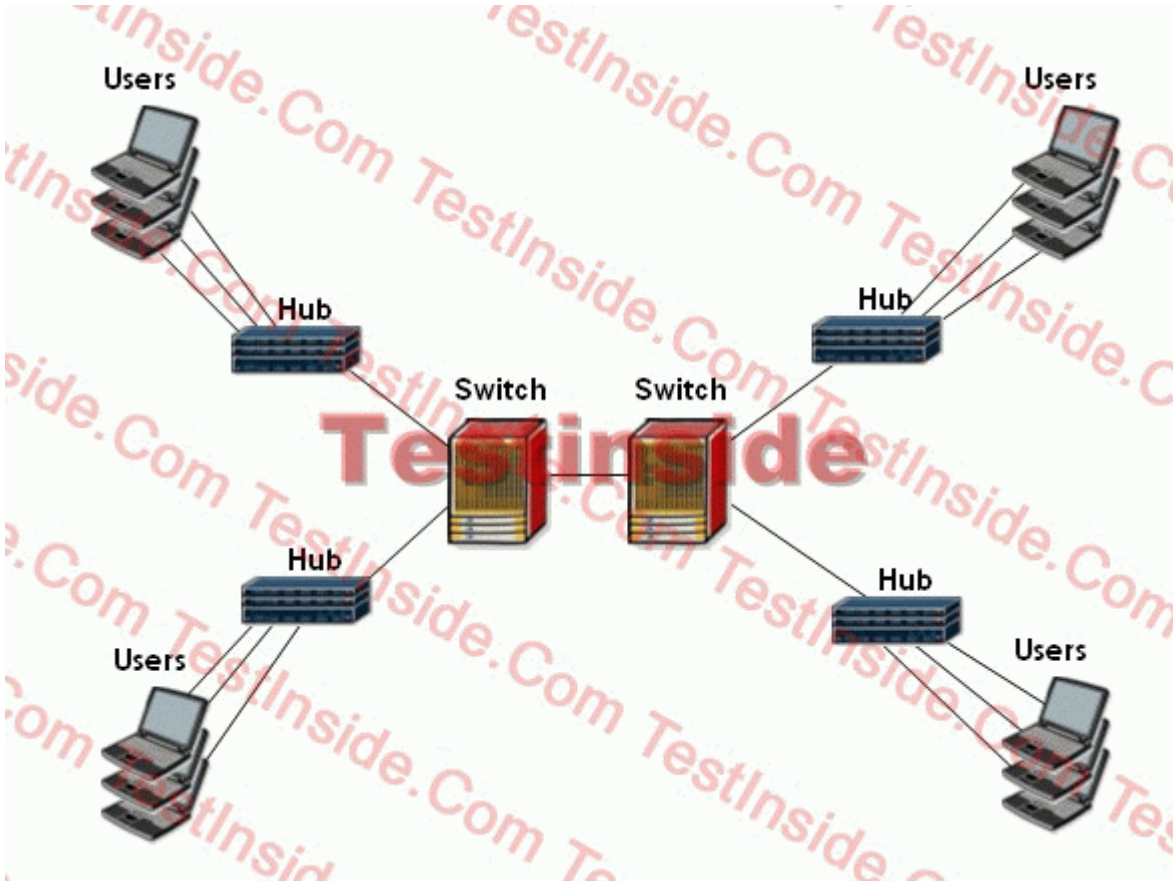
C.shared network connectivity

D.collision detection circuit disabled

**Answer: AD**

14. Click the Exhibit Button below





An Ethernet Local Area Network (LAN) consists of the following components:

Four 24-port hubs

Two 16-port switches

How many broadcast domains are on this LAN?

- A.1
- B.2
- C.4
- D.16

**Answer: A**

16. An Ethernet switch receives a frame addressed to an unknown destination. Assuming the frame is error-free, what will the switch do with the frame?

- A.hold it in a buffer until it learns the port on which the destination is located
- B.flood the frame out all ports except the source port
- C.filter the frame and restrict it only to the source port
- D.age out the source address forwarding table entry

**Answer: B**

17. Which ATM adaptation layer is usually used for transporting IP datagrams?

- A.AAL1
- B.AAL2
- C. AAL 3
- D.AAL 5

**Answer: D**

18. Which of the following are phases of PPP operation? Choose two.

- A.Link establishment
- B.Authentication
- C. Window size negotiation
- D.Routing

**Answer: AB**

19. What is the purpose of carrier sense in the CSMA/CD algorithm?

- A.To ensure the host is able to detect an operational physical link before transmitting.
- B.The host is able to detect the transmission speed of the Ethernet switch port to which the host is connected
- C.The host will only transmit data when it detects that no other devices are transmitting
- D.The host will only transmit upon a timer expiry

**Answer: C**

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