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Alcatel-Lucent Scalable IP Networks

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QUESTION 1

What is NOT a function of the IOM?

- A. It forwards the data to the switch fabric.
- B. It discards excess data packets.
- C. It converts the incoming data to an internal format.
- D. It performs Quality of Service operations and buffers incoming data.

Correct Answer: C

QUESTION 2

Given network address 200.12.30.0 with network mask 255.255.255.0, which subnet mask can be used to create 12 subnetworks? Each subnetwork must support 10 host addresses.

- A. /25
- B. /26
- C. /28
- D. /30

Correct Answer: C

QUESTION 3

Which of the following Nokia 7750 SR components is NOT part of the data plane?

- A. The Media Dependent Adapter (MDA)
- B. The Input/ Output Module (IOM)
- C. The eXpandable Media Adapter (XMA)
- D. The Control Processor Module (CPM)

Correct Answer: D

QUESTION 4

How does a VPRN service avoid the problem of overlapping IP addresses from different customers?

- A. You cannot have overlapping IP addresses. The service provider must ensure that its customers are all using discrete IP address space.

B. Each VPRN service maintains a separate VPN routing and forwarding instance to separate customer routing information.

C. A VPRN will ignore IP addressing information and use MAC addressing instead which are always unique.

D. A VPRN will translate customer IP addresses to a private addressing scheme administered by the service provider.

Correct Answer: B

QUESTION 5

A switch with the MAC FDB shown in the exhibit receives an Ethernet frame with source MAC address 00:00:8c:01:00:0a and destination MAC address ff:ff:ff:ff:ff:ff. On which ports is the frame forwarded?

MAC FDB

1/1/1	00:00:8c:01:00:0a
1/1/2	00:00:8c:01:00:0b
1/1/3	00:00:8c:01:00:0c
1/1/4	00:00:8c:01:00:0d

Source: ANSIBLE 2.8.01 180

A. Only on port 1/1/1.

B. On all ports except 1/1/1.

C. On all four ports.

D. On none of the ports.

Correct Answer: A

QUESTION 6

Which statement accurately explains the purpose of the TCP protocol and what it provides?

A. The primary purpose of TCP is to provide reliable communications between application services.

B. The primary purpose of TCP is to provide unreliable communications between application services

C. The primary purpose of TCP is to provide IP routing between application services.

D. The primary purpose of TCP is to define the correct format for the application layer such as JPEG or HTML.

Correct Answer: A

QUESTION 7

A network with address 208.40.224.0/24 is divided into /28 subnets. What is the network address of the third subnet?

A. 208.40.224.16/28

B. 208.40.224.32/28

C. 208.40.224.48/28

D. 208.40.224.64/28

Correct Answer: C

QUESTION 8

What bit pattern identifies the network address in the subnet mask?

A. A string of 1s

B. A string of 0s

C. A string of alternating 10s

D. There is no specific bit pattern to identify the network address.

Correct Answer: A

QUESTION 9

Which of the following is a characteristic of ATM?

A. Application data is transported in 53-byte cells.

B. ATM circuits are identified by a VPI/VCI value.

C. Provides enhanced QoS support with 5 classes of service.

D. Ideal for multiple services on the same physical line.

E. All of the above.

F. None of the above

Correct Answer: E

QUESTION 10

On a Nokia 7750 SR, which of the following event log destinations is used to store an event log to the compact flash?

A. Console

B. CLI

C. Memory

D. File

Correct Answer: D

QUESTION 11

In regards to the Nokia 7750 SR-12 router, how many of the front access card slots are dedicated for Control Processors?

A. 1

B. 2

C. 7

D. 10

Correct Answer: B

QUESTION 12

From the CE perspective, how does a VPLS operate?

A. A VPLS operates as if 2 sites are directly connected by a single cable.

B. A VPLS operates as if multiple sites are connected through a single switched LAN.

C. A VPLS operates as if multiple sites are connected through a single router.

D. A VPLS operates as if multiple sites are connected through a series of private point-to-point routed connections.

Correct Answer: B

QUESTION 13

Which of the following is NOT a characteristic of the Internet?

A. The Internet is a global and distributed network.

B. The Internet is a network owned by Tier 1 service providers.

C. The Internet is an open network of networks.

D. The Internet is a network that is advertised across the globe.

Correct Answer: B

QUESTION 14

Which of the following statements is TRUE about ICMP?

- A. An IP datagram is encapsulated within an ICMP header.
- B. ICMP messages can only be generated by routers.
- C. ICMP messages are encapsulated within an IP datagram.
- D. ICMP guarantees delivery of a message.

Correct Answer: C

QUESTION 15

Which of the following is true of Ethernet half-duplex transmission?

- A. Half-duplex transmission is less efficient because the frame MTU is smaller.
- B. Half-duplex transmission is only 30-40% efficient because of collisions.
- C. Ethernet switches support half-duplex transmission only.
- D. All of the above.

Correct Answer: B

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