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Alcatel-Lucent Scalable IP Networks

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**QUESTION 1**

Which of the following is NOT a function of TCP?

- A. Maintaining the ordering of data transmitted across the network.
- B. Ensuring the reliable transmission of data across the network.
- C. Providing the receiver with a flow control mechanism.
- D. Defining the method for routing data across the network.

Correct Answer: D

QUESTION 2

What is the basic unit of framing in SONET and the bit rate for its transmission?

- A. STS-1 with a bit rate of 1.544 Mbit/s
- B. STS-1 with a bit rate of 2.048 Mbit/s
- C. STS-1 with a bit rate of 51.84 Mbit/s
- D. STS-1 with a bit rate of 155.52 Mbit/s

Correct Answer: C

QUESTION 3

What happens next after an incoming packet is de-encapsulated from the Layer 2 frame in a Nokia 7750 router?

- A. The IP datagram is encapsulated in the appropriate Layer 2 frame by the MDA.
- B. The IP datagram passes through the switch fabric to reach the egress IOM.
- C. The IP datagram is passed to the IOM.
- D. A lookup is performed in the FIB to determine the egress interface.

Correct Answer: C

QUESTION 4

A switch with the MAC FDB shown receives an Ethernet frame with source MAC address 00:00:8c:01:00:0a and destination MAC address 00:00:8c:01:00:0c. On which port 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

A. 1/1/1

B. 1/1/2

C. 1/1/3

D. 1/1/4

Correct Answer: C

QUESTION 5

What type of MAC address is ff:ff:ff:ff:ff:ff?

A. Unicast

B. Multicast

C. Broadcast

D. Anycast

Correct Answer: C

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