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# 4A0-100

Nokia Scalable IP Networks

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## Topic 1, Volume A

### QUESTION NO: 1

You are configuring your Alcatel-Lucent 7750SR Service Router from the Command Line Interface (CLI), and after entering a lengthy command, wish to return directly to the ROOT context. Which control command allows you to do this quickly?

- A. Ctrl-z
- B. Ctrl-c
- C. Esc
- D. Shift-Page Down

**Answer: A**

**Explanation:**

### QUESTION NO: 2

Which of the following best describes a repeater?

- A. A passive device simply used to connect two or more cables. Does not generate or amplify any signals.
- B. A device that receives and retransmits a signal out its ports, but does not do any Layer 2 analysis of the data.
- C. A device that receives a signal and based on the Layer 2 destination address, makes a decision on which ports the signal should be retransmitted.
- D. A device that receives a signal and based on the Layer 3 destination address, makes a decision on which ports the signal should be retransmitted.

**Answer: B**

**Explanation:**

### QUESTION NO: 3

How do protocols such as ATM and Frame-Relay support differentiating multiple customers or traffic types on the same physical wire?

- A. ATM and Frame-Relay are circuit switched protocols and use Virtual Circuits to create logical separation of traffic.
- B. ATM and Frame-Relay are point-to-point protocols and do not support different customers or traffic type on the same physical wire.

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**C.** ATM and Frame-Relay are circuit switched protocols and use VLAN's to create logical separation of traffic.

**D.** ATM and Frame-Relay are circuit switched protocols and use IP Header information to create logical separation of traffic.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 4**

Which of the following is a feature of Layer 3?

**A.** Provides an universal addressing scheme

**B.** Ensures data is delivered across the Layer 2 network.

**C.** Provides reliable data transfers.

**D.** Provides a physical interface to the network.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 5**

The 201.148.26.0/24 network is subnetted using a /26 mask. How many subnets and host addresses will you obtain with this mask?

**A.** 4 subnets, 64 hosts

**B.** 64 subnets, 4 hosts

**C.** 4 subnets, 62 hosts

**D.** 64 subnets, 2 hosts

**E.** 6 subnets, 30 hosts

**Answer: C**

**Explanation:**

#### **QUESTION NO: 6**

What kind of information can a Dynamic Host Configuration Protocol (DHCP) client receive?

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- A. Details of the configuration settings of each router on the network.
  - B. A list of other DHCP clients.
  - C. IP addresses and their lease times.
  - D. Server time information

**Answer: C**

**Explanation:**

#### **QUESTION NO: 7**

Choose two true statements that characterize Link State Routing

- A. Routers send a copy of their routing table to their neighbors periodically.
- B. Routers flood link information throughout the entire area.
- C. Network converges quickly (within several seconds) after a topology change.
- D. Routers do not have precise knowledge of the entire network topology.

**Answer: B,C**

**Explanation:**

#### **QUESTION NO: 8**

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.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 9**

Which of the following is the best description of well known ports?