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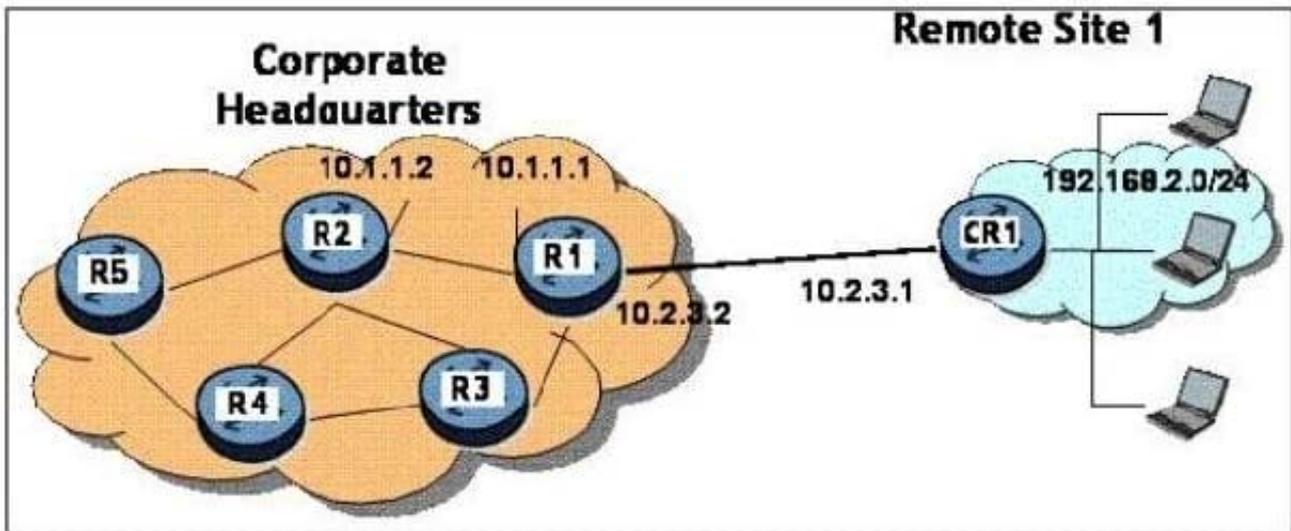
**Vendor:**Alcatel-Lucent

**Exam Code:**4A0-100

**Exam Name:**Alcatel-Lucent Scalable IP Networks

**Version:**Demo

### QUESTION 1



Based on the network diagram (click the Exhibit Button), what is the next-hop used on R1 to setup a static route to the network on CR1?

- A. next-hop 10.2.3.2
- B. next-hop 192.168.2.1
- C. next-hop 10.2.3.1
- D. next-hop 192.168.2.0

Correct Answer: C

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### QUESTION 2

Which of the following involves grouping a number of routes with common prefixes into a single route advertisement?

- A. Hierarchical IP Addressing
- B. IP Address Subnetting
- C. Variable Length Subnet Masking
- D. IP Address Summarization

Correct Answer: D

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### QUESTION 3

How does LDP select the path used for an LSP?

- A. LDP monitors the available bandwidth on all links and signals the LSP based on this information.
- B. LDP uses the shortest hop-count between two endpoints for the LSP.
- C. LDP must be configured hop-by-hop by the service provider.
- D. LDP follows the path chosen by the IGP.

Correct Answer: D

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#### **QUESTION 4**

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

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#### **QUESTION 5**

Which of the following IP header fields contains information that indicates whether routers are allowed to fragment a packet?

- A. Header checksum.
- B. Fragmentation offset.
- C. Flags.
- D. Identification.

Correct Answer: C

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#### **QUESTION 6**

What is the preference value in the routing table used for?

- A. To select from routes with different next-hops.
- B. To select from routes with different costs.
- C. To select from routes learned from different routing protocols.
- D. To select from routes with different prefixes.

Correct Answer: C

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#### **QUESTION 7**

Which statement best describes a VPRN service?

- A. From the customers perspective it looks as if all sites are connected by the same set of dark fibers.
- B. From the customers perspective it looks as if all sites are connected to a private switched network administered by the service provider.
- C. From the customers perspective it looks as if all sites are connected to a private routed network administered by the service provider.
- D. From the customers perspective it looks as if all sites have public internet access administered by the service provider.

Correct Answer: C

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#### **QUESTION 8**

Which tier of Internet service providers provides transit services to other ISPs?

- A. Tier 1 and Tier 2 ISPs
- B. Tier 1 and Tier 3 ISPs
- C. Tier 2 and Tier 3 ISPs
- D. Tier 3 ISP

Correct Answer: B

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#### **QUESTION 9**

What metric does a link state protocol use to choose the best path to a destination network?

- A. Link bandwidth.
- B. Round trip time.
- C. Hop count.
- D. Route preference.

Correct Answer: A

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#### **QUESTION 10**

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

- 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

Correct Answer: C

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#### **QUESTION 11**

Which of the following ports can be used to access a Nokia 7750 SR that has not been configured?

- A. CPM management Ethernet port
- B. CPM console serial port
- C. Port 1/1/1
- D. Any port on an installed MDA

Correct Answer: B

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#### **QUESTION 12**

Where would you expect to find a P router in a service provider's network?

- A. At the edge of the provider's network facing the customer.
- B. At the edge of the customer's network facing the provider.
- C. In the core of the provider's network.
- D. On the customer premises.

Correct Answer: C