4A0-100^{Q&As}

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

Which of the following is a characteristic of a subnet created with a prefix length of /32?

A. The subnet has only one address reserved for a loopback interface or the system interface.

B. The subnet has a broadcast address.

C. The subnet is configured for a point-to point link.

D. The subnet is reserved for a multicast address groups.

Correct Answer: A

QUESTION 3

What information is used to separate VLANs on a VLAN trunk that connects multiple VLANs?

A. The VLAN tag

B. The IP Header

C. The VID

D. The Priority Value

Correct Answer: A

QUESTION 4

Which of the following best describes an Ethernet bridge?

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 other 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.

Correct Answer: C

QUESTION 5

When entering a command on the Nokia 7750 SR from the Command Line Interface (CLI), what would you use to list all the options for the command?

A. ?

B. tab character

C. space character

D. info

Correct Answer: A

QUESTION 6

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

A. Unicast

B. Multicast

C. Broadcast

D. Anycast

Correct Answer: C

QUESTION 7

Which of the following does a link-state protocol use when choosing the best path to a destination network?

A. Cost

B. Round-trip time

C. Hop-count

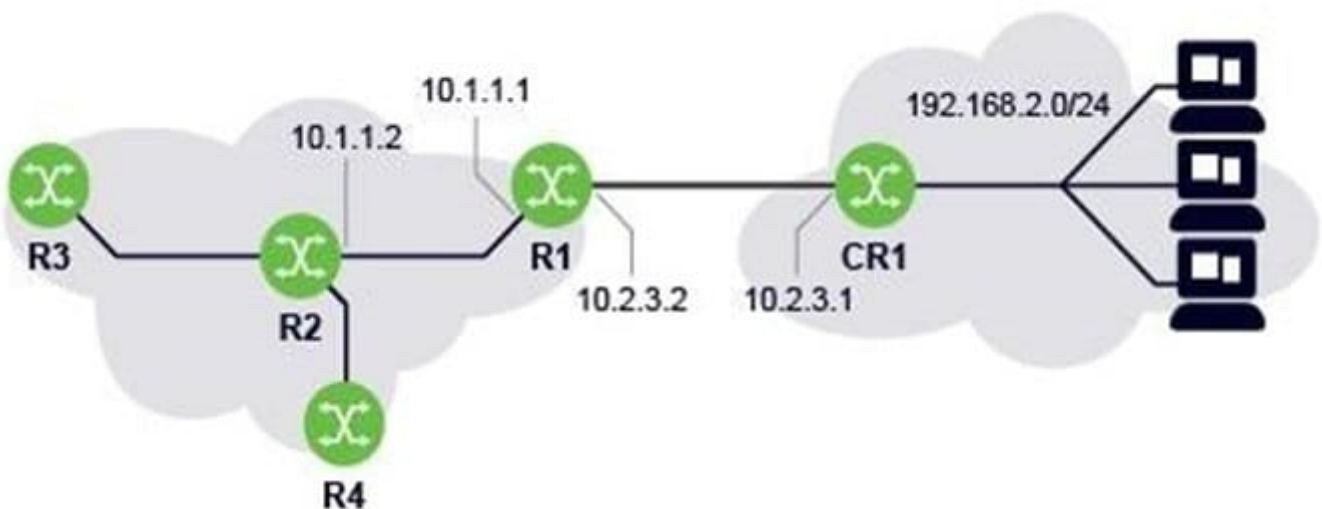D. Route preference

Correct Answer: A

QUESTION 8

Which statement best describes an SDP?

A. Service Delivery Points are defined on the service provider network side and used to bind the service to an MPLS transport tunnel. Many services can be bound to a single SDP.

B. Service Delivery Points are defined on the service provider access side and used to bind the connection of the service to CE device. Many services can be bound to a single SDP.

C. Service Delivery Points are defined on the service provider network side and used to bind the service to an MPLS transport tunnel. Only one service can be bound to a single SDP.

D. Service Delivery Points are defined on the service provider access side and used to bind the service to CE device. Only one service can be bound to a single SDP.

Correct Answer: A

QUESTION 9

What next-hop should be used on CR1 to configure a default route to router R1?

A. 10.2.3.2

B. 10.2.3.1

C. 192.168.2.0

D. 10.1.1.1

Correct Answer: A

QUESTION 10

Hosts in the same IP network share which common address feature?

A. Same host numbers.

B. Same IP address.

C. First two bits of the IP address are set to 01.

D. Same network prefix.

Correct Answer: D

QUESTION 11

When forwarding a packet, which field in the following table determines the egress interface?

A. Preference

B. Metric

C. Next-hop

D. Cost

Correct Answer: C

QUESTION 12

What is the sequence of events for a client to receive an IP address from the server in the DHCP?

A. Discover, offer, request, acknowledgement.

B. Request, offer, discover, acknowledgement.

C. Discover, request, offer, acknowledgement.

D. Request, acknowledgement, discover, offer.

Correct Answer: A

QUESTION 13

Which of the following are important to consider when designing IPv4 subnets? (Choose 3)

A. The number of subnetworks currently required.

B. The version of the Ethernet used by each segment.

C. Future network growth requirements.

D. The number of hosts each subnetwork will support.

E. The class of the IP address assigned to an organization.

Correct Answer: ACD

QUESTION 14

Which of the following is an important advantage of protocol layering? (Choose two) A. Controls distribution of IP addresses.

B. Simplifies protocol functionality.

C. Isolates changes in lower layers from upper layers.

D. Increases protocol operational efficiencies.

E. Layering adds to the fragmentation of the data

Correct Answer: CD

QUESTION 15

Which Ethernet frame field allows the transmitter and receiver to synchronize communications?

A. Preamble

B. Start Frame Delimiter

C. Length/Type

D. Frame Check Sequence

Correct Answer: A

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