

642-055

Cisco

Advanced Routing and Switching for Field Engineers Exam (ARSFE)

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Question: 1
Exhibit:

```
router bgp 12703
  no bgp default ipv4-unicast
  neighbor 172.16.32.14 remote-as 12703
  neighbor 172.16.32.15 remote-as 12703
  neighbor 172.16.32.27 remote-as 12703

  neighbor 172.16.32.14 activate
  neighbor 172.16.32.27 activate

address-family vpnv4
  neighbor 172.16.32.15 activate
  neighbor 172.16.32.27 activate
```

In analyzing the configuration of the router, which three of these statements are correct? (Choose three.)

- A. Neighbor 172.16.32.15 will receive VPNv4 routes.
- B. Neighbor 172.16.32.15 will receive Internet routes.
- C. Neighbor 172.16.32.27 will receive VPNv4 routes.
- D. Neighbor 172.16.32.14 will receive both VPNv4 and Internet routes.
- E. Neighbor 172.16.32.14 will receive VPNv4 routes.
- F. Neighbor 172.16.32.27 will receive Internet routes.

Answer: A, C, F

Question: 2

You are working with a customer who has identified the following IP applications on their network: IP voice and voice signaling, streaming video, PeopleSoft, Microsoft SQL, e-mail, and Internet traffic. If the voice traffic was classified as EF and AF31, the e-mail was classified as AF11, and the Internet traffic was classified as DSCP 0, how would the transactional traffic represented as PeopleSoft and Microsoft SQL be classified?

- A. DSCP AF21
- B. DSCP CS4
- C. DSCP AF33
- D. DSCP AF13

Answer: A

Question: 3

Which one of these class maps was configured to match traffic for CS5?

- A. router#show class-map passClass Map match-all real-time (id 2)Match ip dscp 40
- B. router#show class-map forwardClass Map match-all forward (id 3)Match ip dscp 18
- C. router#show class-map real-timeClass Map match-all block (id 5)Match ip dscp 16
- D. router#show class-map blockClass Map match-all block (id 4)Match ip dscp 43

Answer: A

Question: 4

When you enter the interface command `auto qos voip cisco-phone` on a port at the edge of a network, how does the Cisco Catalyst switch detect if a Cisco IP Phone is connected to the port?

- A. By using RTP hello messages between the switch port and the Cisco IP Phone
- B. By snooping the incoming 802.1Q VLAN tag
- C. By using CDP
- D. By snooping the CoS marking on the incoming frames
- E. By using DHCP snooping

Answer: C

Question: 5

Referring to the partial Cisco Catalyst switch configuration shown:

```
vlan 2
private-vlan community
!
vlan 3
private-vlan isolated
!
vlan 4
private-vlan primary
private-vlan association 2, 3
!
interface range fastethernet 1/1 1/2
switchport mode private-vlan host
switchport private-vlan host-association 4 2
!
interface fastethernet 1/3
switchport mode private-vlan host
switchport private-vlan host-association 4 3
!
interface fastethernet 1/4
switchport mode private-vlan promiscuous
switchport private-vlan mapping 4 2, 3
```

Which two of these statements are correct? (Choose two.)

- A. A router connected to the fastethernet 1/4 interface will be able to communicate with hosts connected to interface fastethernet 1/1, 1/2, and 1/3.
- B. Hosts connected to interface fastethernet 1/1 and 1/2 can communicate with each other.
- C. Hosts connected to interface fastethernet 1/1, 1/2, and 1/3 can communicate with each other.
- D. A router connected to the fastethernet 1/4 interface will not be able to communicate with the host connected to interface fastethernet 1/3.

Answer: A, B

Question: 6

Which keyword is used with the `show ip bgp neighbors [keyword]` command to display all routes that are received and accepted from a neighbor?

- A. Paths
- B. Accepted-routes
- C. Advertised-routes
- D. Routes
- E. Received-routes

Answer: D

Question: 7

Which tool allows a LAN client to determine which router should be the first hop to a particular Remote destination, allowing simplified client configuration and processing without creating a single point of failure?

- A. Proxy ARP
- B. IRDP
- C. VRRP
- D. Dynamic Routing Protocol

Answer: C

Question: 8

You are working with a client to classify the different types of application traffic they will have on their network and to assign a QoS value to each traffic flow. The client has identified the following applications:

Internet traffic, Oracle, network-based backups, AOL Instant Messenger, IP routing, voice, and voice signaling. Given these types of applications, how many different classes will need to be configured in QoS?

- A. 8
- B. 6
- C. 9
- D. 5

Answer: A

Question: 9

Which of these tools should you use to compress VoIP packets on a low-speed Frame Relay circuit?

- A. FRF.9 payload compression
- B. Cisco proprietary payload compression
- C. Predictor payload compression
- D. RTP header compression
- E. TCP header compression

Answer: D

Question: 10

What is the purpose of the int-num variable in the Cisco IOS interface configuration command mpls l2transport route when you configure a Cisco 7600 Series router to do Ethernet over MPLS?

- A. It specifies the interface address of the remote router.
- B. It specifies the incoming interface of the Layer 2 traffic to be transported over the MPLS backbone.

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