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Exam : **400-101**

Title : CCIE Routing and Switching
Written Exam

Vendor : Cisco

Version : DEMO

NO.1] Refer to the exhibit.

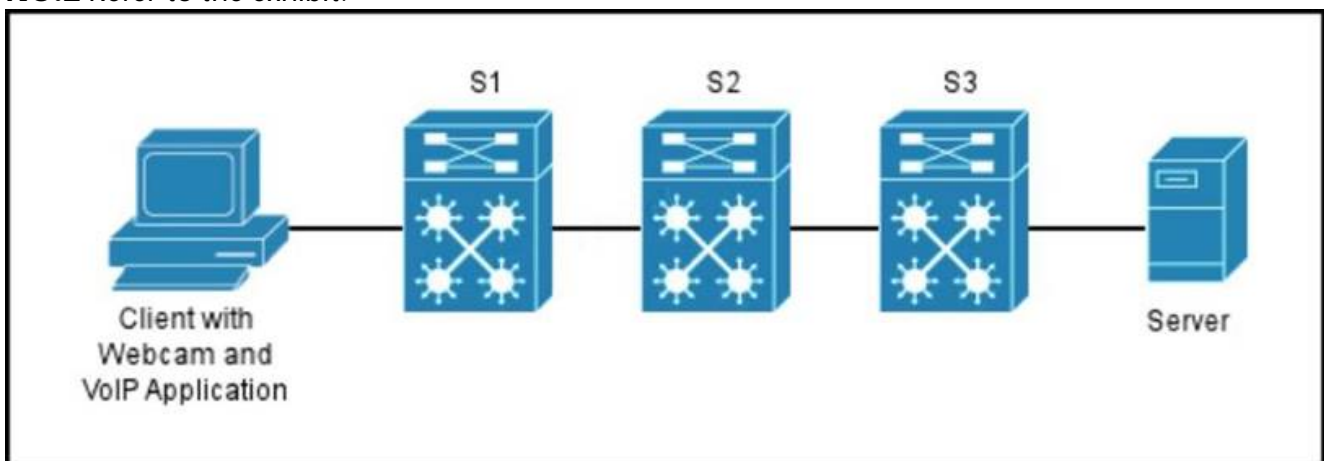
```
router#sh ospfv3 interface | include Instance
Area 1, Process ID 1, Instance ID 64, Router ID 192.168.120.2
Area 0, Process ID 1, Instance ID 0, Router ID 192.168.120.2
```

Based on the output shown, how are the OSPFv3 address-families configured this router?

- A. The IPv4 address-family is configured for both area 0 and area 1
- B. The IPv4 address-family is configured for area1, IPv6 for area 0
- C. The IPv4 address-family is configured for area 0, IPv6 for area 1
- D. The IPv4 address-family is configured for both area0 and area 1

Answer: B

NO.2 Refer to the exhibit.



You are configuring the S1 switch for the switchport connecting to the client computer. Which option describes the effect of the command `mls qos map cos-dscp 0 8 16 24 32 40 46 56`?

- A. Voice packets are given a class selector of 5.
- B. Voice traffic is excluded from the default priority queue.
- C. Video conferencing is marked CS3.
- D. Voice packets are processed in the priority queue.

Answer: B

NO.3 Which two options describe the effect of configuring an interface as passive under OSPF? (Choose two)

- A. An adjacency cannot be established, and the interface is not included in the routing protocol update.
- B. An adjacency can be established, and the interface is not included in the routing protocol update.
- C. The interface processes OSPF hello packets but does not send hello packets.
- D. The interface processes OSPF hello packets and also sends hello packets.
- E. An adjacency cannot be established, and the interface is included in the routing protocol update.

Answer: C,E

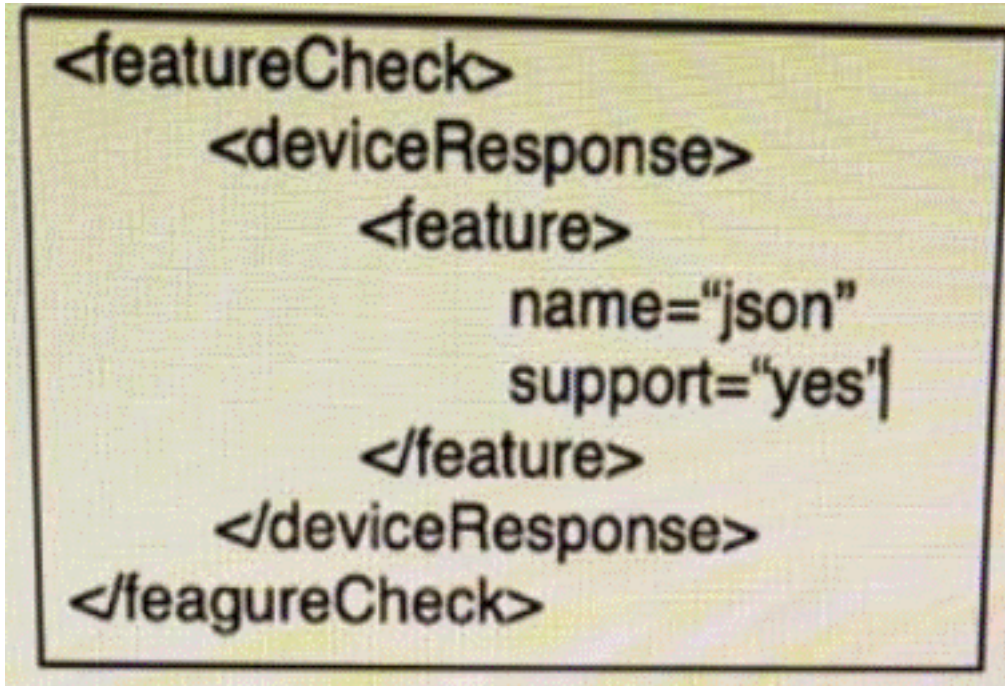
NO.4 How is the TCAM on a Catalyst switch used when VRF-Lite is configured?

- A. All configured VRFs share the Layer 3 TCAM.

- B. Each configured routing protocol receive its own Layer 3 TCAM.
- C. Layer 3 TCAM is not used in VRF-Lite configurations.
- D. Each configured VRF receives its own Layer 3 TCAM.

Answer: A

NO.5 Refer to the exhibit.



```
<featureCheck>
  <deviceResponse>
    <feature>
      name="json"
      support="yes"
    </feature>
  </deviceResponse>
</featureCheck>
```

Which data format is used in this script?

- A. JavaScript
- B. JSON
- C. YANG
- D. API
- E. Xml

Answer: B

NO.6 Which Layer 2 tunneling technique eliminates the need for pseudowires?

- A. AToM
- B. L2TPv3
- C. OTV
- D. VPLS

Answer: C

NO.7 Refer to the exhibit.

```
R5#show ip eigrp topology all
IP-EIGRP Topology Table for AS(100)/ID(192.168.45.5)

Codes: P - Passive, A - Active, U - Update, Q - Query, R - Reply,
       r - reply Status, s - sia Status

P 192.168.45.0/24, 1 successors, FD is 281600, serno 1
  via Connected, FastEthernet0/1
P 192.168.35.0/24, 1 successors, FD is 281600, serno 7
  via Connected, FastEthernet0/0
P 192.168.12.0/24, 2 successors, FD is 309760, serno 9
  via 192.168.35.3 (309760/284160), FastEthernet0/0
  via 192.168.45.4 (309760/284160), FastEthernet0/1
P 192.168.24.0/24, 1 successors, FD is 307200, serno 2
  via 192.168.45.4 (307200/281600), FastEthernet0/1
  via 192.168.35.3 (332800/307200), FastEthernet0/0
P 192.168.23.0/24, 1 successors, FD is 307200, serno 8
  via 192.168.35.3 (307200/281600), FastEthernet0/0
  via 192.168.45.4 (332800/307200), FastEthernet0/1
P 172.16.1.1/32, 2 successors, FD is 437760, serno 10
  via 192.168.35.3 (437760/412160), FastEthernet0/0
  via 192.168.45.4 (437760/412160), FastEthernet0/1
```

Which two statements about the 192.168.23.0/24 prefix are true? (Choose two.)

- A. Router 192.168.35.3 is the only successor.
- B. Only router 192.168.35.3 is a feasible successor
- C. Router 192.168.45.4 cannot act as a feasible successor.
- D. Only router 192.168.45.4 is a feasible successor.
- E. Routers 192.168.35.3 and 192.168.45.4 are feasible successors.
- F. Routers 192.168.35.3 and 192.168.45.4 are successors.

Answer: A,C

NO.8 Refer to the exhibit.

```

R1

ip community-list 10 permit 64512:100 64512:200 64512:41650 64513:1220

route-map INTERNET-OUT permit 10
  match community 10

router bgp 64512
  no synchronization
  neighbor INTERNET peer-group
  neighbor INTERNET remote-as 64513
  neighbor INTERNET password cisco
  neighbor 192.168.250.53 peer-group INTERNETER

address-family ipv4
  no synchronization
  neighbor INTERNET send-community both
  neighbor INTERNET route-map INTERNET-OUT out

R1#show bgp 172.29.224.0

BGP routing table entry for 172.29.224.0/24, version 607252621
Paths: (1 available, best #1, table default)
Multipath: eBGP iBGP
  Advertised to update-groups:
    3         4         7
 53739
 10.10.153.12 from 10.10.153.120 (10.10.153.12)
  Origin IGP, metric 0, localpref 130, valid, external, best
  Community: 64512:555 64513:200 64513:59090 64512:64002 64513:64090

```

Which two actions can you take to allow the network 172.29.224.0/24 to be reachable from peer 192.168.250.53? (Choose two)

- A. Modify the outbound route map to permit all additional traffic.
- B. Modify the community list to match community 64513:64090 attached to 172.29.224.0/24.
- C. Configure soft reconfiguration to peering 192.168.250.53
- D. Modify the inbound route map to permit all additional traffic
- E. Configure additional address families to peering 192.168.250.53

Answer: A,B

NO.9 Which two statements about VXLAN are true? (Choose two)

- A. VXLAN is a Cisco proprietary solution
- B. VXLAN overcomes the 802.1Q virtual LAN address space limitation
- C. VXLAN can be used to enforce Layer 2 isolation in a multitenant infrastructure
- D. VXLAN uses the spanning Tree Protocol for loop prevention
- E. VXLAN is an encapsulation method used to create a Layer 3 overlay network

Answer: B,E

NO.10 Which IEEE standard defines wireless access in vehicular environments?

- A. 802.11k
- B. 802.11ac

C. 802.11af

D. 802.11p

Answer: D