

➤ **Vendor: Cisco**

➤ **Exam Code: 200-125**

➤ **Exam Name: Cisco Certified Network Associate
(v3.0)**

➤ **Question 351 – End**

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QUESTION 351

When upgrading the IOS image, the network administrator receives the exhibited error message.

```
Router1#copy tftp flash
Address or name of remote host[]? 192.168.1.5
Source filename[]? c2600-js-1-121-3.bin
Destination filename | c2600-js-1-121-3.bin
Accessing tftp://192.168.1.5 /c2600-js-1-121-3.bin...
%Error opening tftp://192.168.1.5 /CCC (Timed out)
```

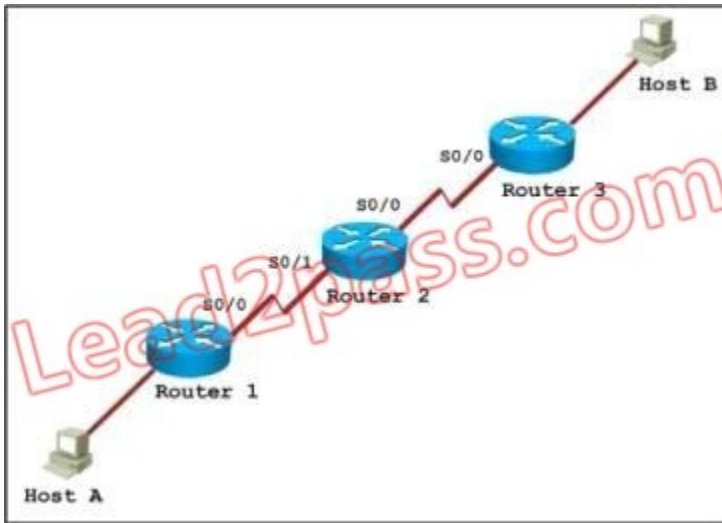
What could be the cause of this error?

- A. The new IOS image is too large for the router flash memory.
- B. The TFTP server is unreachable from the router.
- C. The new IOS image is not correct for this router platform.
- D. The IOS image on the TFTP server is corrupt.
- E. There is not enough disk space on the TFTP server for the IOS image.

Answer: B

QUESTION 352

Refer to the exhibit, Host A pings interface S0/0 on router 3, what is the TTL value for that ping?



- A. 253
- B. 252
- C. 255
- D. 254

Answer: A

QUESTION 353

Which statement is true, as relates to classful or classless routing?

- A. Automatic summarization at classful boundaries can cause problems on discontinuous subnets
- B. EIGRP and OSPF are classful routing protocols and summarize routes by default
- C. RIPv1 and OSPF are classless routing protocols
- D. Classful routing protocols send the subnet mask in routing updates

Answer: A

QUESTION 354

Refer to the exhibit. Why does the telnet connecting fail when a host attempts to connect a remote router?

```
Router-1#telnet 10.3.3.1
Trying 10.3.3.1 ... Open
Password required, but none set
[Connection to 10.3.3.1 closed by foreign host]
```

A large diagonal watermark 'Lead2Pass.com' is overlaid across the text.

- A. No password was set for tty lines
- B. No password was set for aux lines
- C. No password was set for vty lines
- D. No password was set for cty lines

Answer: C

QUESTION 355

Which name describes an IPV6 host-enable tunneling technique that uses IPV4 UDP,does not require dedicated gateway tunnels,and can pass through existing IPV4 NAT gateways?

- A. dual stack
- B. dynamic
- C. Teredo
- D. Manual 6to4

Answer: C

QUESTION 356

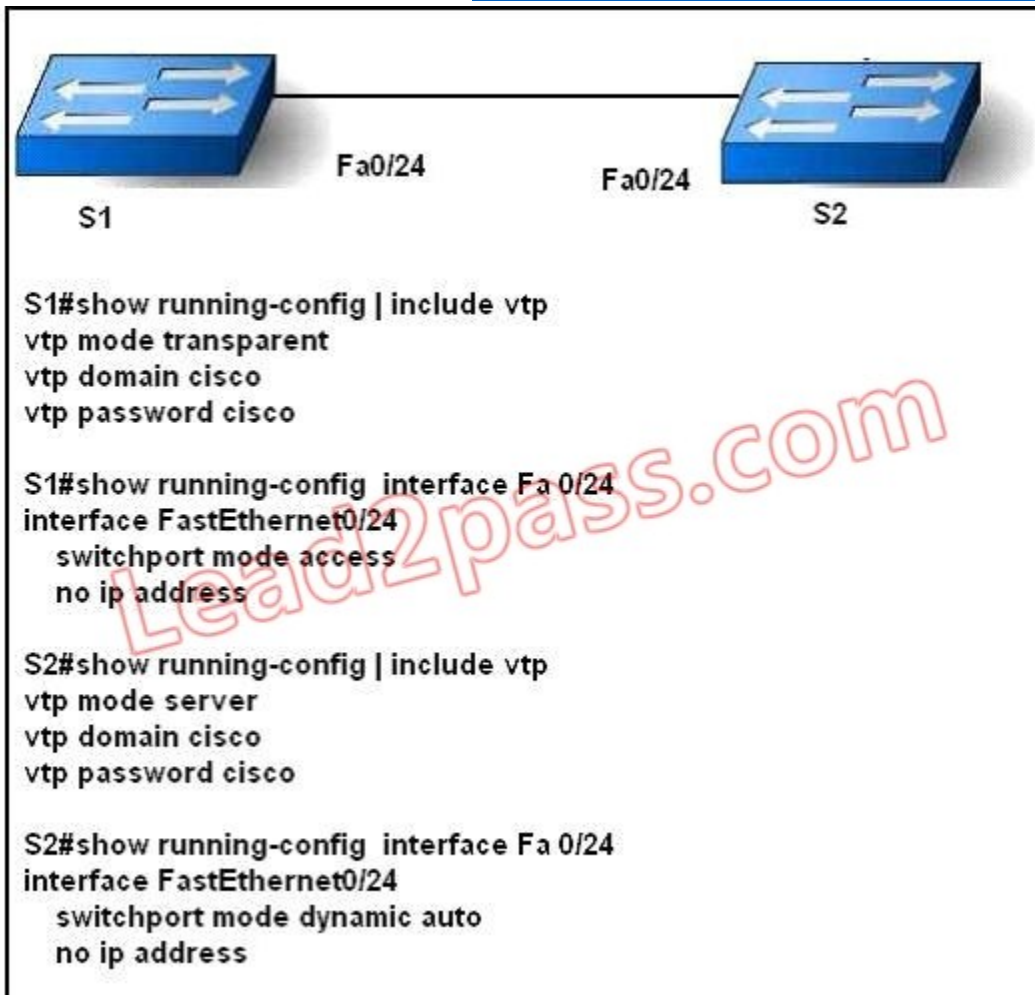
Which pairing reflects a correct protocol-and-metric relationship?

- A. OSPF and number of hops and reliability
- B. EIGRP and link cost
- C. IS-IS and delay and reliability
- D. RIPv2 and number of hops

Answer: D

QUESTION 357

Refer to the exhibit, The VLAN configuration of S1 is not being in this VTP enabled environment. The VTP and uplink port configurations for each switch are displayed. Which two command sets, if issued, resolve this failure and allow VTP to operate as expected?(choose two)



- A. S2(config)#vtp mode transparent
- B. S1(config)#vtp mode client
- C. S2(config)#interface f0/24
S2(config-if)#switchport mode access
S2(config-if)#end
- D. S2(config)#vtp mode client
- E. S1(config)#interface f0/24
S1(config-if)#switchport mode trunk
S1(config-if)#end

Answer: BE

QUESTION 358

How are VTP advertisements delivered to switches across the network?

- A. anycast frames
- B. multicast frames
- C. broadcast frames
- D. unicast frames

Answer: B

QUESTION 359

Refer to the exhibit. What could be possible causes for the "Serial0/0 is down" interface status? (Choose two.)

```
Router1# show interfaces serial 0/0

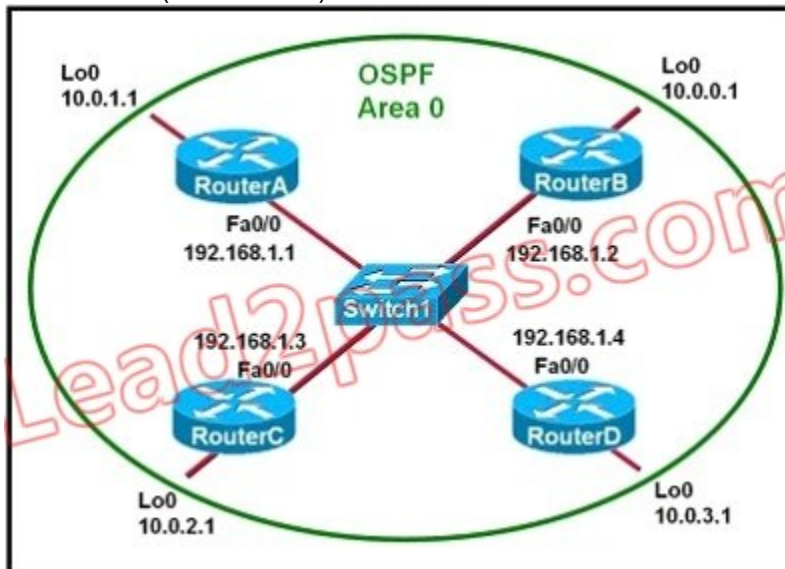
Serial0/0 is down, line protocol is down
Hardware is MK5025
Serial Internet address is 10.1.1.2/24
MTU 1500 bytes, BW 1544 Kbits, DLY 20000 usec, rely 255/255 load 9/255
Encapsulation PPP, loopback not set, keepalive set (10 sec)
```

- A. A Layer 1 problem exists.
- B. The bandwidth is set too low.
- C. A protocol mismatch exists.
- D. An incorrect cable is being used.
- E. There is an incorrect IP address on the Serial 0/0 interface.

Answer: AD

QUESTION 360

Refer to the exhibit. Which two statements are true about the loopback address that is configured on RouterB? (Choose two.)



- A. It ensures that data will be forwarded by RouterB.
- B. It provides stability for the OSPF process on RouterB.
- C. It specifies that the router ID for RouterB should be 10.0.0.1.
- D. It decreases the metric for routes that are advertised from RouterB.
- E. It indicates that RouterB should be elected the DR for the LAN.

Answer: BC

QUESTION 361

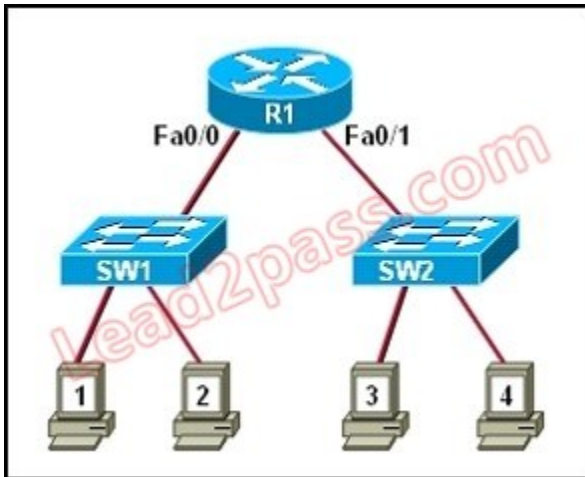
A network administrator is explaining VTP configuration to a new technician. What should the network administrator tell the new technician about VTP configuration? (Choose three.)

- A. A switch in the VTP client mode cannot update its local VLAN database.
- B. A trunk link must be configured between the switches to forward VTP updates.
- C. A switch in the VTP server mode can update a switch in the VTP transparent mode.
- D. A switch in the VTP transparent mode will forward updates that it receives to other switches.
- E. A switch in the VTP server mode only updates switches in the VTP client mode that have a higher VTP revision number.
- F. A switch in the VTP server mode will update switches in the VTP client mode regardless of the configured VTP domain membership.

Answer: ABD

QUESTION 362

Refer to the exhibit. Both switches are using a default configuration. Which two destination addresses will host 4 use to send data to host 1? (Choose two.)



- A. the IP address of host 1
- B. the IP address of host 4
- C. the MAC address of host 1
- D. the MAC address of host 4
- E. the MAC address of the Fa0/0 interface of the R1 router
- F. the MAC address of the Fa0/1 interface of the R1 router

Answer: AF

QUESTION 363

What are two reasons a network administrator would use CDP? (Choose two.)

- A. to verify the type of cable interconnecting two devices
- B. to determine the status of network services on a remote device
- C. to obtain VLAN information from directly connected switches
- D. to verify Layer 2 connectivity between two devices when Layer 3 fails

- E. to obtain the IP address of a connected device in order to telnet to the device
- F. to determine the status of the routing protocols between directly connected routers

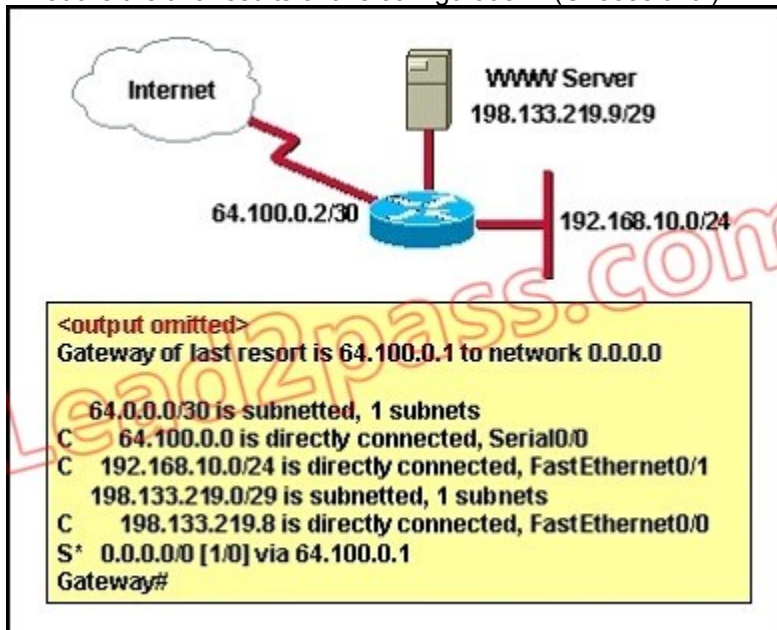
Answer: DE

QUESTION 364

Refer to the exhibit. The router has been configured with these commands:

```
hostname Gateway
interface FastEthernet 0/0
ip address 198.133.219.14 255.255.255.248
no shutdown
interface FastEthernet 0/1
ip address 192.168.10.254 255.255.255.0
no shutdown
interface Serial 0/0
ip address 64.100.0.2 255.255.255.252
no shutdown
ip route 0.0.0.0 0.0.0.0 64.100.0.1
```

What are the two results of this configuration? (Choose two.)



- A. The default route should have a next hop address of 64.100.0.3.
- B. Hosts on the LAN that is connected to FastEthernet 0/1 are using public IP addressing.
- C. The address of the subnet segment with the WWW server will support seven more servers.
- D. The addressing scheme allows users on the Internet to access the WWW server.
- E. Hosts on the LAN that is connected to FastEthernet 0/1 will not be able to access the Internet without address translation.

Answer: DE

QUESTION 365

A company is installing IP phones. The phones and office computers connect to the same device. To ensure maximum throughput for the phone data, the company needs to make sure that the phone traffic is on a different network from that of the office computer data traffic. What is the best network device to which to directly connect the phones and computers, and what technology should be implemented on this device? (Choose two.)

- A. hub
- B. router
- C. switch
- D. STP
- E. subinterfaces
- F. VLAN

Answer: CF

QUESTION 366

What are two benefits of using VTP in a switching environment? (Choose two.)

- A. It allows switches to read frame tags.
- B. It allows ports to be assigned to VLANs automatically.
- C. It maintains VLAN consistency across a switched network.
- D. It allows frames from multiple VLANs to use a single interface.
- E. It allows VLAN information to be automatically propagated throughout the switching environment.

Answer: CE

QUESTION 367

Which two statements are true about the command `ip route 172.16.3.0 255.255.255.0 192.168.2.4`? (Choose two.)

- A. It establishes a static route to the 172.16.3.0 network.
- B. It establishes a static route to the 192.168.2.0 network.
- C. It configures the router to send any traffic for an unknown destination to the 172.16.3.0 network.
- D. It configures the router to send any traffic for an unknown destination out the interface with the address 192.168.2.4.
- E. It uses the default administrative distance.
- F. It is a route that would be used last if other routes to the same destination exist.

Answer: AE

QUESTION 368

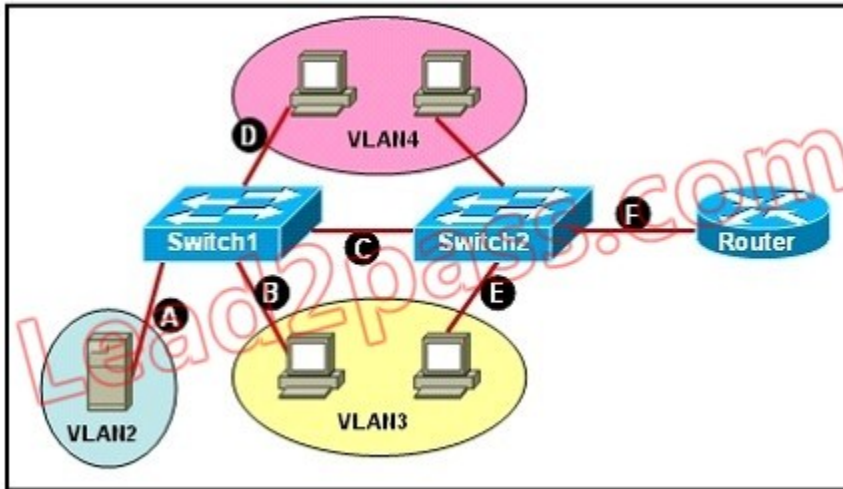
What are two advantages of Layer 2 Ethernet switches over hubs? (Choose two.)

- A. decreasing the number of collision domains
- B. filtering frames based on MAC addresses
- C. allowing simultaneous frame transmissions
- D. increasing the size of broadcast domains
- E. increasing the maximum length of UTP cabling between devices

Answer: BC

QUESTION 369

Refer to the exhibit. A network associate needs to configure the switches and router in the graphic so that the hosts in VLAN3 and VLAN4 can communicate with the enterprise server in VLAN2. Which two Ethernet segments would need to be configured as trunk links? (Choose two.)



- A. A
- B. B
- C. C
- D. D
- E. E
- F. F

Answer: CF

QUESTION 370

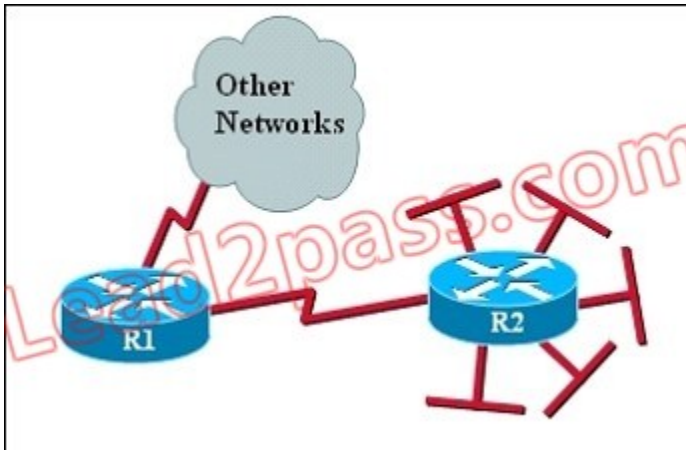
Which two values are used by Spanning Tree Protocol to elect a root bridge? (Choose two.)

- A. amount of RAM
- B. bridge priority
- C. IOS version
- D. IP address
- E. MAC address
- F. speed of the links

Answer: BE

QUESTION 371

Refer to the exhibit. The networks connected to router R2 have been summarized as a 192.168.176.0/21 route and sent to R1. Which two packet destination addresses will R1 forward to R2? (Choose two.)



- A. 192.168.194.160
- B. 192.168.183.41
- C. 192.168.159.2
- D. 192.168.183.255
- E. 192.168.179.4
- F. 192.168.184.45

Answer: BE

QUESTION 372

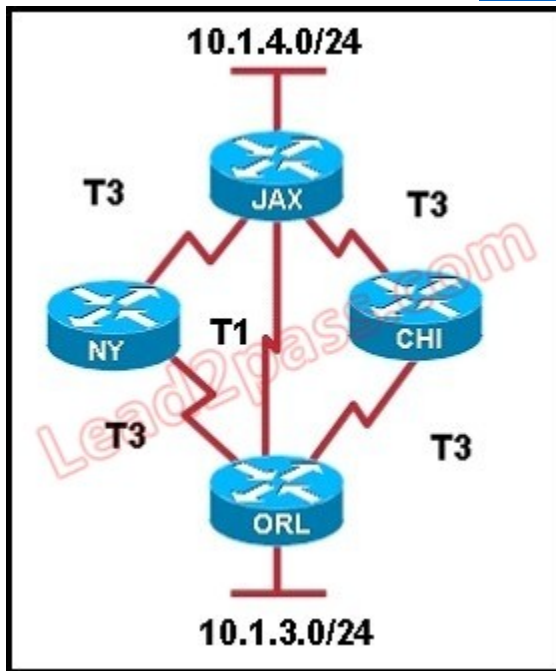
Which three statements are typical characteristics of VLAN arrangements? (Choose three.)

- A. A new switch has no VLANs configured.
- B. Connectivity between VLANs requires a Layer 3 device.
- C. VLANs typically decrease the number of collision domains.
- D. Each VLAN uses a separate address space.
- E. A switch maintains a separate bridging table for each VLAN.
- F. VLANs cannot span multiple switches.

Answer: BDE

QUESTION 373

Refer to the exhibit. Which three statements are true about how router JAX will choose a path to the 10.1.3.0/24 network when different routing protocols are configured? (Choose three.)

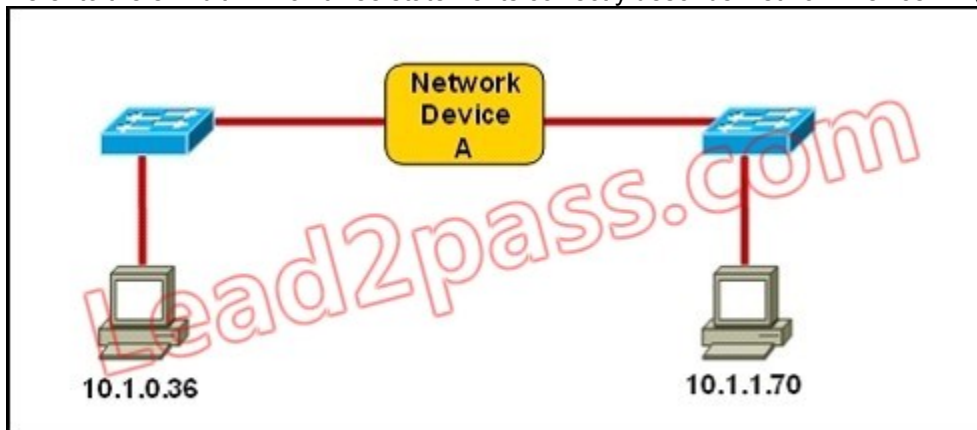


- A. By default, if RIPv2 is the routing protocol, only the path JAX-ORL will be installed into the routing table.
- B. The equal cost paths JAX-CHI-ORL and JAX- NY-ORL will be installed in the routing table if RIPv2 is the routing protocol.
- C. When EIGRP is the routing protocol, only the path JAX-ORL will be installed in the routing table by default.
- D. When EIGRP is the routing protocol, the equal cost paths JAX-CHI-ORL, and JAX-NY-ORL will be installed in the routing table by default.
- E. With EIGRP and OSPF both running on the network with their default configurations, the EIGRP paths will be installed in the routing table.
- F. The OSPF paths will be installed in the routing table, if EIGRP and OSPF are both running on the network with their default configurations.

Answer: ADE

QUESTION 374

Refer to the exhibit. Which three statements correctly describe Network Device A? (Choose three.)



- A. With a network wide mask of 255.255.255.128, each interface does not require an IP address.

- B. With a network wide mask of 255.255.255.128, each interface does require an IP address on a unique IP subnet.
- C. With a network wide mask of 255.255.255.0, must be a Layer 2 device for the PCs to communicate with each other.
- D. With a network wide mask of 255.255.255.0, must be a Layer 3 device for the PCs to communicate with each other.
- E. With a network wide mask of 255.255.254.0, each interface does not require an IP address.

Answer: BDE

QUESTION 375

Switch ports operating in which two roles will forward traffic according to the IEEE 802.1w standard? (Choose two.)

- A. alternate
- B. backup
- C. designated
- D. disabled
- E. root

Answer: CE

QUESTION 376

Refer to the exhibit. Given the output shown from this Cisco Catalyst 2950, what is the most likely reason that interface FastEthernet 0/10 is not the root port for VLAN 2?

```
Switch# show spanning-tree interface fastethernet0/10
Vlan          Role Sts Cost      Prio.Nbr Type
-----
VLAN0001      Root FWD 19        128.1    P2p
VLAN0002      Altn BLK 19        128.2    P2p
VLAN0003      Root FWD 19        128.2    P2p
```

- A. This switch has more than one interface connected to the root network segment in VLAN 2.
- B. This switch is running RSTP while the elected designated switch is running 802.1d Spanning Tree.
- C. This switch interface has a higher path cost to the root bridge than another in the topology.
- D. This switch has a lower bridge ID for VLAN 2 than the elected designated switch.

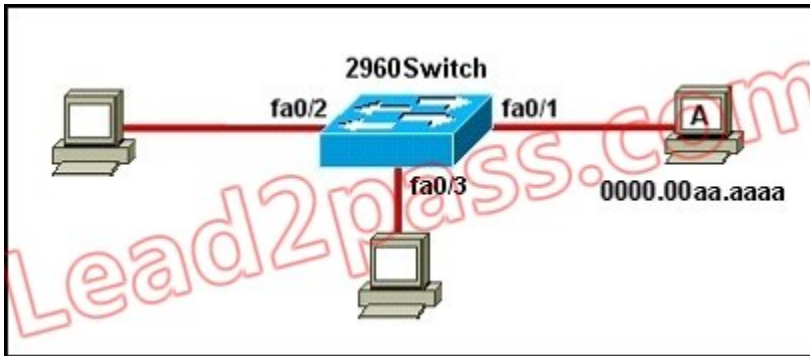
Answer: C

QUESTION 377

Refer to the exhibit. This command is executed on 2960Switch:

```
2960Switch(config)# mac-address-table static 0000.00aa.aaaa vlan 10
interface fa0/1
```

Which two of these statements correctly identify results of executing the command? (Choose two.)



- A. Port security is implemented on the fa0/1 interface.
- B. MAC address 0000.00aa.aaaa does not need to be learned by this switch.
- C. Only MAC address 0000.00aa.aaaa can source frames on the fa0/1 segment.
- D. Frames with a Layer 2 source address of 0000.00aa.aaaa will be forwarded out fa0/1.
- E. MAC address 0000.00aa.aaaa will be listed in the MAC address table for interface fa0/1 only.

Answer: BE

QUESTION 378

Which of the following describes the roles of devices in a WAN? (Choose three.)

- A. A CSU/DSU terminates a digital local loop.
- B. A modem terminates a digital local loop.
- C. A CSU/DSU terminates an analog local loop.
- D. A modem terminates an analog local loop.
- E. A router is commonly considered a DTE device.
- F. A router is commonly considered a DCE device.

Answer: ADE

QUESTION 379

What are two characteristics of Telnet? (Choose two.)

- A. It sends data in clear text format.
- B. It is no longer supported on Cisco network devices.
- C. It is more secure than SSH.
- D. It requires an enterprise license in order to be implemented.
- E. It requires that the destination device be configured to support Telnet connections.

Answer: AE

QUESTION 380

What are two security appliances that can be installed in a network? (Choose two.)

- A. ATM
- B. IDS
- C. IOS
- D. IOX
- E. IPS

F. SDM

Answer: BE

QUESTION 381

Assuming a subnet mask of 255.255.248.0, three of the following addresses are valid host addresses. Which are these addresses? (Choose three.)

- A. 172.16.9.0
- B. 172.16.8.0
- C. 172.16.31.0
- D. 172.16.20.0

Answer:

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