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Question: 1

On a 3550 EMI switch, which three types of interfaces can be used to configure HSRP? (Choose three.)

- A - loopback interface
- B - SVI interface
- C - routed port
- D - access port
- E - EtherChannel port channel
- F - BVI interface

Answer: B, C, E

Question: 2

Which three characteristics apply to IS-IS but not to OSPF? (Choose three.)

- A - encapsulates PDUs directly into a data-link frame
- B - uses a DIS and a backup DIS to present the pseudo-node on the LAN
- C - uses stubby areas to improve network scalability
- D - uses a default IOS metric of 10 on each interface
- E - runs PRC (Partial Route Calculations) to calculate IP reachability information
- F - uses an un-demand circuit to reduce the hello and LSA flooding across switched WAN links, such as ISDN

Answer: A, D, E

Question: 3

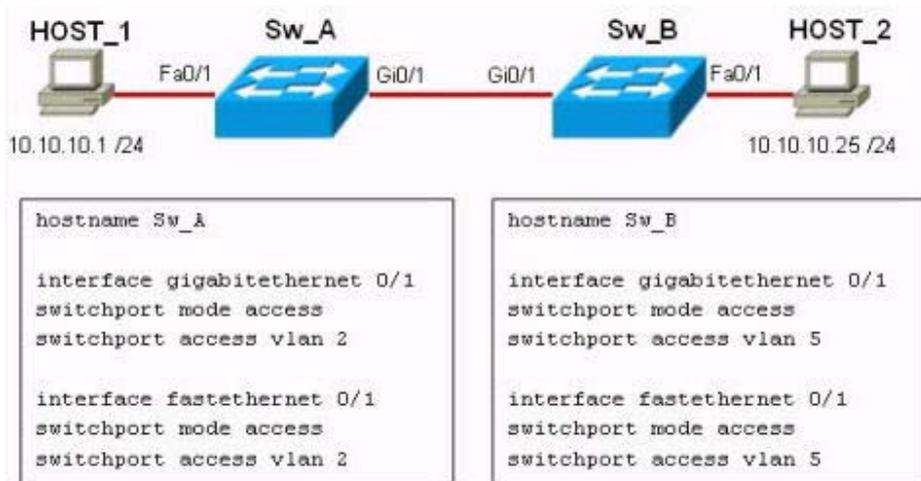
Which two statements are true about IBGP neighbor relationships? (Choose two.)

- A - An EGP or static routing is required between IBGP neighbors.
- B - A full-mesh IBGP requires that neighbor relationships be established between all BGP enabled routers in the autonomous system.
- C - IBGP neighbors must be in different autonomous systems.
- D - The BGP split-horizon rule specifies that routes learned via EBGP are never propagated to other IBGP peers.
- E - The BGP split horizon rule specifies that routes learned via IBGP are never propagated to other IBGP peers.

Answer: B, E

Question: 4

Exhibit:



Refer to the exhibit. Both host stations are part of the same subnet but are in different VLANs. On the basis of the information presented in the exhibit, which statement is true about an attempt to ping from host to host?

- A - A trunk port will need to be configured on the link between Sw_A and Sw_B for the ping command to be successful.
- B - The two different hosts will need to be in the same VLAN in order for the ping command to be successful.
- C - A Layer 3 device is needed for the ping command to be successful.
- D - The ping command will be successful without any further configuration changes.

Answer: D

Question: 5

What are two routing protocols defined by the OSI protocol suite at the network layer? (Choose two.)

- A - End System-to-End System
- B - Routing Information Protocol
- C - Interior Gateway Routing Protocol
- D - End System-to-Intermediate System
- E - Intermediate System-to-Intermediate System

Answer: D

Question: 6

Which statement is true about 802.1x port-based authentication?

- A - Hosts are required to have a 802.1x authentication client or utilize PPPoE.
- B - Before transmitting data, an 802.1x host must determine the authorization state of the switch.
- C - RADIUS is the only supported authentication server type.
- D - TACACS+ is the only supported authentication server type.
- E - If a host initiates the authentication process and does not receive a response, it assumes it is not authorized.

Answer: C

Question: 7

Which two statements are true about Internet Group Management Protocol (IGMP) snooping?
(Choose two.)

- A - IGMP snooping and Cisco Group Membership Protocol (CGMP) can be used simultaneously on a switch.
- B - IGMP snooping and Cisco Group Membership Protocol (CGMP) were developed to help Layer 3 switches make intelligent forwarding decisions on their own.
- C - IGMP snooping examines IGMP join/leave messages so that multicast traffic is forwarded only to hosts that sent an IGMP message toward the router.
- D - IGMP snooping is an IP multicast constraining mechanism for Layer 2 switches.
- E - IGMP snooping is enabled with the ip multicast-routing global configuration command.

Answer: C, D

Question: 8

Given the following configuration on a switch interface, what happens when a host with the MAC address of 0003.0003.0003 is directly connected to the switch port?

```
switchport mode access
switchport port-security
switchport port-security maximum 2
switchport port-security mac-address 0002.0002.0002
switchport port-security violation shutdown
```

- A - The port will shut down.
- B - The host will be allowed to connect.
- C - The host will be refused access.
- D - The host can only connect through a hub/switch where 0002.0002.0002 is already connected.

Answer: B

Question: 9

Exhibit:

```
Cat2# show vlan

VLAN Name                Status    Ports
----  -----                -
1     default                active    Fa0/1, Fa0/2, Fa0/3, Fa0/4
10    VLAN0010               active    Fa0/5, Fa0/6, Fa0/9, Fa0/8
20    VLAN0020               active    Fa0/9, Fa0/10, Fa0/11, Fa0/12
30    VLAN0030               active    Fa0/13, Fa0/14, Fa0/15, Fa0/16,
40    VLAN0040               active    Fa0/17, Fa0/18, Fa0/19, Fa0/20,
50    VLAN0050               active    Fa0/21, Fa0/22, Fa0/23, Fa0/24

1002 fddi-default                act/unsup
1003 token-ring-default        act/unsup
1004 fddinet-default           act/unsup
1005 trnet-default            act/unsup
```

Refer to the exhibit. Switch Cat2 is receiving IGMP frames only on interface FastEthernet 0/3. Given IGMP snooping, out of which port or ports will switch Cat2 forward multicast traffic?

- A - all ports

- B - none of the ports
- C - FastEthernet0/3
- D - FastEthernet 0/1, 0/2, 0/4
- E - FastEthernet 0/1, 0/2, 0/3, 0/4
- F - FastEthernet 0/1, 0/2, 0/4, 0/5, 0/6, 0/7, 0/8

Answer: C

Question: 10

What is the purpose of the eigrp stub configuration command?

- A - to increase scalability by limiting the EIGRP query range
- B - to reduce the size of the routing table by blocking the D EX (External EIGRP) routes into the EIGRP stub router
- C - to reduce the convergence time by enabling the EIGRP stub router to propagate the EIGRP queries from the EIGRP hub router
- D - to reduce the convergence time by enabling the EIGRP stub router to also perform query requests to the EIGRP hub router

Answer: A