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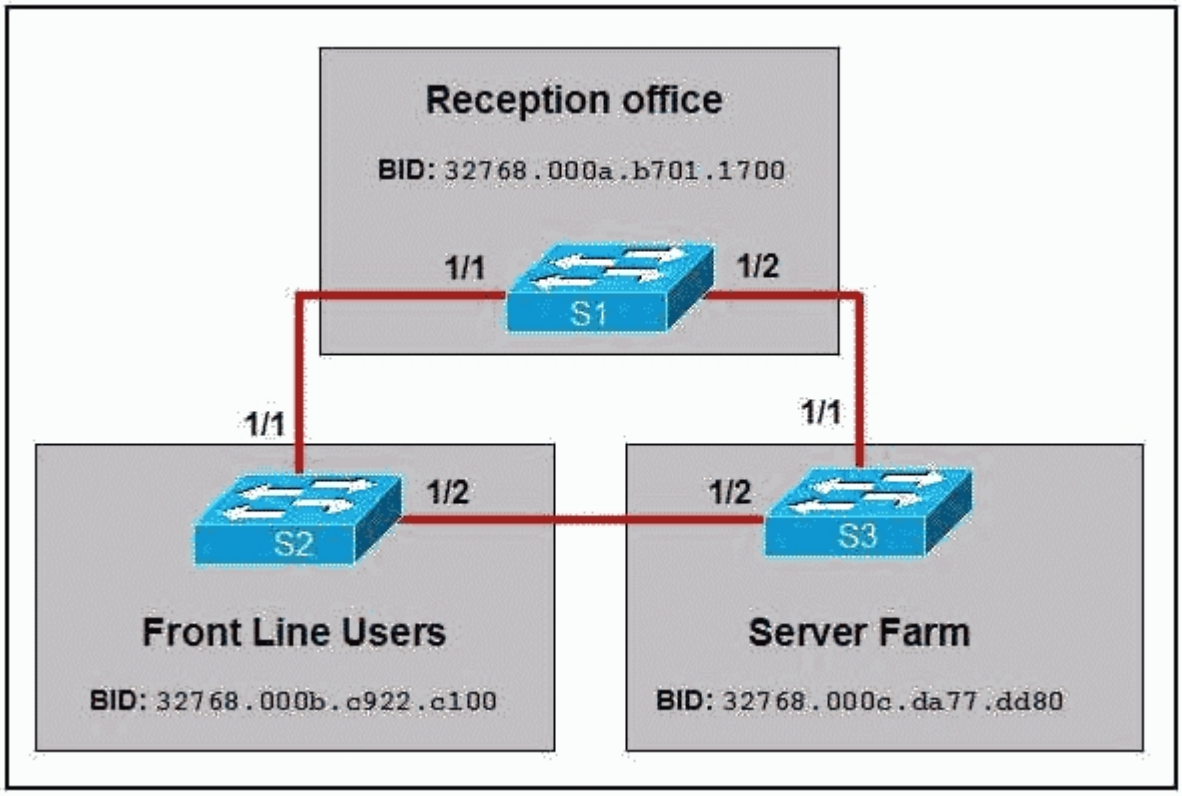
Exam : **642-813**

Title : Implementing Cisco IP Switched Networks

Version : DEMO

1.Refer to the exhibit.



All network links are FastEthernet. Although there is complete connectivity throughout the network, Front Line users report that they experience slower network performance when accessing the server farm than the Reception office experiences. Which two statements are true? (Choose two.)
A.Changing the bridge priority of S1 to 4096 would improve network performance.
B.Changing the bridge priority of S1 to 36864 would improve network performance.
C.Changing the bridge priority of S2 to 36864 would improve network performance.
D.Changing the bridge priority of S3 to 4096 would improve network performance.
E.Disabling the Spanning Tree Protocol would improve network performance.
F.Upgrading the link between S2 and S3 to Gigabit Ethernet would improve performance.
Answer: B D

2.What is the effect of configuring the following command on a switch?
Switch(config) # spanning-tree portfast bpdufilter default
A.If BPDUs are received by a port configured for PortFast, then PortFast is disabled and the BPDUs are processed normally.
B.If BPDUs are received by a port configured for PortFast, they are ignored and none are sent.
C.If BPDUs are received by a port configured for PortFast, the port transitions to the forwarding state.
D.The command enables BPDU filtering on all ports regardless of whether they are configured for BPDU filtering at the interface level.
Answer: A

3.Refer to the exhibit.

```
3560# show interface gigabitethernet 0/1 switchport
Name: Gi0/1
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: trunk
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: On
Access Mode VLAN: 1 (default)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: ALL
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL

3560# show vlan

VLAN Name                       Status    Ports
---- ------------------------------ --------- -------------------------------
1    default                    active    Gi0/2, Gi0/3, Gi0/4, Gi0/5
2    VLAN0002                   active    Gi0/6, Gi0/7, Gi0/8, Gi0/9
                                          Gi0/10, Gi0/11, Gi0/12

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

Which two statements are true? (Choose two.)

A.Interface gigabitethernet 0/1 has been configured as Layer 3 ports.

B.Interface gigabitethernet 0/1 does not appear in the show vlan output because switchport is enabled.

C.Interface gigabitethernet 0/1 does not appear in the show vlan output because it is configured as a trunk interface.

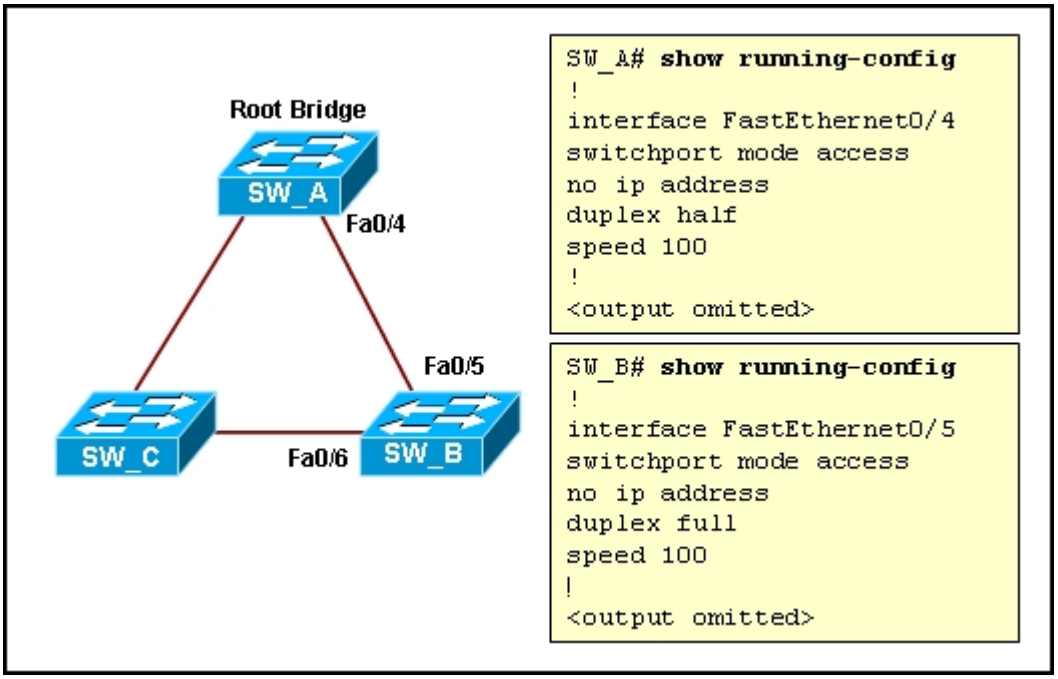
D.VLAN2 has been configured as the native VLAN for the 802.1q trunk on interface gigabitethernet 0/1.

E.Traffic on VLAN 1 that is sent out gigabitethernet 0/1 will have an 802.1q header applied.

F.Traffic on VLAN 2 that is sent out gigabitethernet 0/1 will have an 802.1q header applied.

Answer: C F

4.Refer to the exhibit



and the partial configuration of switch SW_A and SW_B. STP is configured on all switches in the network. SW_B receives this error message on the console port:

00:06:34: %CDP-4-DUPLEX_MISMATCH: duplex mismatch discovered on FastEthernet0/5 (not half duplex), with SW_A FastEthernet0/4 (half duplex) ,

with TBA05071417(Cat6K-B) 0/4 (half duplex).

What is the possible outcome of the problem?

A.The root port on switch SW_A will automatically transition to full-duplex mode.

B.The root port on switch SW_B will fall back to full-duplex mode.

C.The interfaces between switches SW_A and SW_B will transition to a blocking state.

D.Interface Fa 0/6 on switch SW_B will transition to a forwarding state and create a bridging loop.

Answer: D

5.Refer to the exhibit.

```
Router(config)# vlan access-map pass 10
Router(config-access-map)# match ip address ABC
Router(config-access-map)# action forward
Router(config)# vlan filter pass vlan-list 5-10
```

Which statement is true?

A.IP traffic matching access list ABC is forwarded through VLANs 5-10.

B.IP traffic matching VLAN list 5-10 is forwarded, and all other traffic is dropped.

C.All VLAN traffic matching VLAN list 5-10 is forwarded, and all traffic matching access list ABC is dropped.

D.All VLAN traffic in VLANs 5-10 that match access list ABC is forwarded, and all other traffic is dropped.

Answer: D