Vendor: Cisco

Exam Code:642-813

Exam Name: Implementing Cisco IP Switched Networks

Version: Demo

QUESTION 1

Which VRRP router is responsible for forwarding packets that are sent to the IP addresses of the virtual router?

A. virtual router master

B. virtual router backup

C. virtual router active

D. virtual router standby

Correct Answer: A

QUESTION 2

Which statement describes one major issue that VTP can cause in an enterprise network when a new switch is introduced in the network in VTP mode server?

A. It can cause network access ports to go into err-disabled state.

B. It can cause a network-wide VLAN configuration change if the revision number on the new switch is higher.

C. It can cause a network-wide VLAN configuration change if the revision number on the new switch is lower.

D. It can cause routing loops.

Correct Answer: B

QUESTION 3

After implementing VTP, the extended VLANs are not being propagated to other VTP switches. What should be configured for extended VLANs?

A. VTP does not support extended VLANs and should be manually added to all switches.

B. Enable VTP version 3, which supports extended VLAN propagation.

C. VTP authentication is required when using extended VLANs because of their ability to cause network instability.

D. Ensure that all switches run the same Cisco IOS version. Extended VLANs will not propagate to different IOS versions when extended VLANs are in use.

Correct Answer: B

QUESTION 4

Refer to the exhibit.

```
monitor session 1 source interface g0/4 rx
monitor session 1 filter vlan 3
monitor session 1 destination interface g0/5
```

What is the result of the SPAN configuration on a Cisco switch?

A. Configure a SPAN session to monitor the received traffic on interface g0/4 only for VLAN 3.

B. Configure a SPAN session to monitor the received traffic on interface g0/4 for all VLANs except VLAN 3.

C. Configure a SPAN session to monitor the received traffic on interface g0/5 only for VLAN 3.

D. Configure a SPAN session to monitor the received traffic on interface g0/5 for all VLANs except VLAN 3.

Correct Answer: A

QUESTION 5

What is required for a LAN switch to support 802.1q Q-in-Q encapsulation?

A. Support less than 1500 MTU

B. Support 1504 MTU or higher

C. Support 1522 layer 3 IP and IPX packet

D. Support 1547 MTU only

Correct Answer: B

QUESTION 6

RSPAN has been configured on a Cisco Catalyst switch; however, traffic is not being replicated to the remote switch. Which type of misconfiguration is a cause?

A. The RSPAN designated VLAN is missing the remote span command.

B. The local and remote RSPAN switches are configured using different session IDs.

C. The local RSPAN switch is replicating only Rx traffic to the remote switch.

D. The local switch is overloaded with the amount of sourced traffic that must be replicated to the remote switch.

Correct Answer: A

QUESTION 7

Refer to the exhibit.

```
Switch# Show run
interface FastEthernet0/13
spanning-tree cost 1000
!
interface FastEthernet0/14
spanning-tree cost 1000
!
interface FastEthernet0/15
spanning-tree cost 1000
!
interface FastEthernet0/20
spanning-tree cost 2
!
interface FastEthernet0/21
spanning-tree cost 1
```

All ports are members of VLAN 10. Considering the default cost of upstream bridges to the root bridge is equal, which option will be the new root port for VLAN 10?

A. interface f0/13

B. interface f0/14

C. interface f0/15

D. interface f0/21

Correct Answer: D

QUESTION 8

On which interface can port security be configured?

A. static trunk ports

B. destination port for SPAN

C. EtherChannel port group

D. dynamic access point

Correct Answer: A

QUESTION 9

Which statement about Cisco Discovery Protocol configuration on a Cisco switch is true?

A. CDP is enabled by default and can be disabled globally with the command no cdp run.

B. CDP is disabled by default and can be enabled globally with the command cdp enable.

C. CDP is enabled by default and can be disabled globally with the command no cdp enable.

D. CDP is disabled by default and can be enabled globally with the command cdp run.

Correct Answer: A

QUESTION 10

Which gateway role is responsible for answering ARP requests for the virtual IP address in GLBP?

A. active virtual forwarder

B. active virtual router

C. active virtual gateway

D. designated router

Correct Answer: C

QUESTION 11

Which statement describes what happens when a port configured with root guard receives a superior BPDU?

A. The port goes into errdisabled state and stops forwarding traffic.

B. The port goes into BPDU-inconsistent state and stops forwarding traffic.

C. The port goes into loop-inconsistent state and stops forwarding traffic.

D. The port goes into root-inconsistent state and stops forwarding traffic.

Correct Answer: D

QUESTION 12

Your customer has asked you to come in and verify the operation of routers R1 and R2 which are configured to use HSRP. They have questions about how these two devices will perform in the event of a device failure.
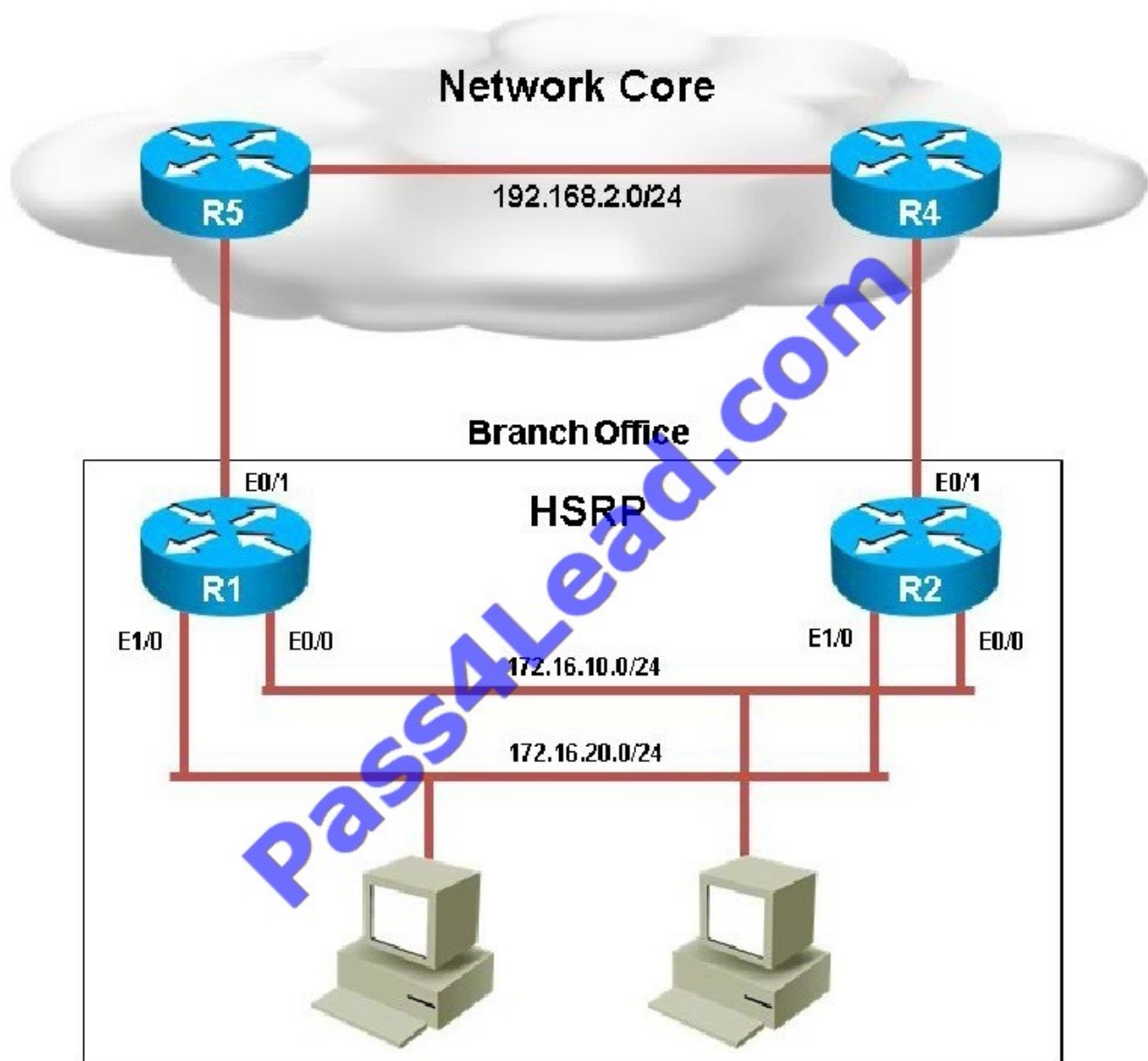
What issue is causing Router R1 and R2 to both be displayed as the HSRP active router for group 2?

A. The HSRP group number mismatch

B. The HSRP group authentication is misconfigured

C. The HSRP Hello packets are blocked

D. The HSRP timers mismatch

E. The HSRP group priorities are different

Correct Answer: B

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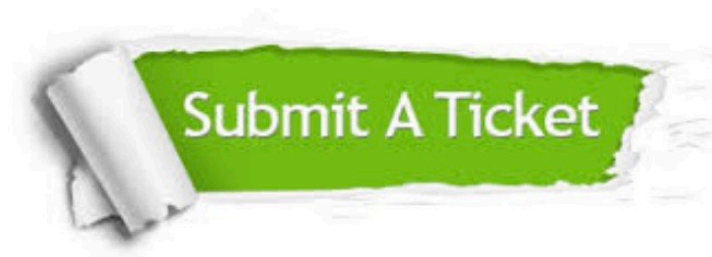
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