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642-801

Building Scalable Cisco Internetworks(BSCI)

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QUESTION NO: 1

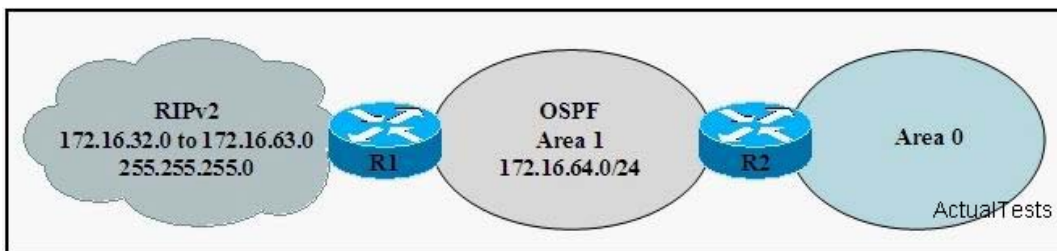
What are three characteristics of RIPv2? (Choose three.)

- A. supports variable-length subnet mask by default
- B. does not support variable-length subnet mask by default
- C. multicasts updates to 224.0.0.9
- D. supports discontinuous networks by default
- E. broadcasts updates
- F. does not support discontinuous networks by default

Answer: A,C,F

QUESTION NO: 2

A network administrator recently redistributed RIP routes into an OSPF domain. However, the administrator wants to configure the network so that instead of 32 external type-5 LSAs flooding into the OSPF network, there is only one. What must the administrator do to accomplish this?



- A. Configure area 1 as a NSSA area with area 1 stubnssa
- B. Configure area 1 as a stub area with area 1 stub
- C. Configure summarization on R1 with summary-address 172.16.32.0 255.255.224.0
- D. Configure summarization on R1 with area 1 range 172.16.32.0 255.255.224.0

Answer: C

QUESTION NO: 3

Based on the show ip route isis output on R1, which statement is true?

```
R1#show ip route isis
 10.0.0.0/8 is variably subnetted, 7 subnets, 3 masks
i L2  10.200.200.14/32 [115/30] via 10.1.0.2, Serial1/0
i L1  10.200.200.13/32 [115/20] via 10.1.1.3, Ethernet0/0
i L1  10.1.3.0/24 [115/20] via 10.1.1.3, Ethernet0/0
i L2  10.1.2.0/23 [115/20] via 10.1.0.2, Serial1/0
i su  10.1.0.0/23 [115/10] via 0.0.0.0 Null0
```

ActualTests

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- A. The R1 IS-IS router is an ASBR.
 - B. The R1 IS-IS router is performing route aggregation and is suppressing the more specific 10.1.0.0/23 prefix.
 - C. Thei su 10.1.0.0/23 route is a suppressed route.
 - D. Thei su 10.1.0.0/23 route is an IS-IS external route.
 - E. Thei su 10.1.0.0/23 route is a summary route.
 - F. The R1 IS-IS router is an ABR that belongs to multiple IS-IS areas.

Answer: E

QUESTION NO: 4

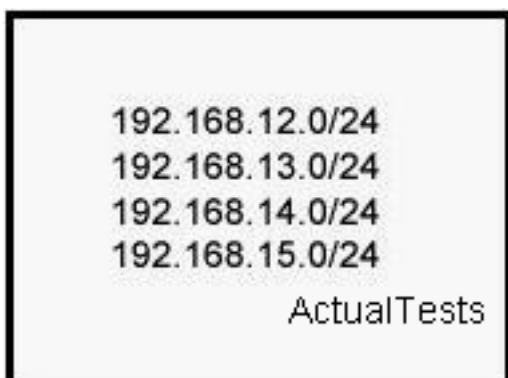
Which three statements are true regarding EIGRP? (Choose three.)

- A. To speed convergence, EIGRP attempts to maintain a successor and feasible successor path for each destination.
- B. By default, EIGRP performs auto-summarization acrossclassful network boundaries.
- C. By default, EIGRP uses theDijkstra algorithm to determine the best path to a destination network based on bandwidth and delay.
- D. EIGRP uses an area hierarchy to increase network scalability.
- E. EIGRP uses hellos to establish neighbor relationships.

Answer: A,B,E

QUESTION NO: 5

Examine the BGP table. What is the correct command to summarize the listed prefixes into a single summary prefix of 192.168.12.0/22 while also allowing for the advertisement of the more specific prefixes?



- A. network 192.168.12.0 mask 0.0.3.255
- B. aggregate-address 192.168.12.0 255.255.252.0
- C. aggregate-address 192.168.12.0 255.255.252.0 summary-only

-
- D. network 192.168.12.0
 - E. network 192.168.12.0 mask 255.255.252.0
 - F. aggregate-address 192.168.12.0 255.255.252.0 as-set

Answer: B

QUESTION NO: 6

What is the effect of the following configuration commands? RTB(config)#router rip RTB(config-router)#version 2 RTB(config-router)#no auto-summary

- A. subnet mask information is not passed in the routing updates
- B. subnets are advertised across network boundaries
- C. subnets are summarized at the network boundary
- D. subnets are made discontinuous

Answer: B

QUESTION NO: 7

Which three steps are most helpful in verifying proper route redistribution? (Choose three.)

- A. On the routers not performing the route redistribution, use the show ip protocols command to verify the routing information sources.
- B. On the ASBR router performing the route redistribution, use the show ip route command to verify that the proper routes from each routing protocol are there.
- C. On the routers not performing the route redistribution, use the debug ip routing command to verify the routing updates from the ASBR.
- D. On the ASBR router performing the route redistribution, use the show ip protocol command to verify the redistribution configurations.
- E. On the routers not performing the route redistribution, use the show ip route command to see if the redistributed routes show up.

Answer: B,D,E

QUESTION NO: 8

What is correct about the BGP synchronization command? (Choose two.)

- A. Synchronization is necessary when peering with an EBGP neighbor.
- B. Synchronization improves BGP routing convergence.