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**Exam** : **642-902**

**Title** : Implementing cisco ip  
routing

**Version** : DEMO

1.What are three key concepts that apply when configuring the EIGRP stub routing feature in a hub and spoke network? (Choose three.)

- A.A hub router prevents routes from being advertised to the remote router.
- B.Only remote routers are configured as stubs.
- C.Stub routers are not queried for routes.
- D.Spoke routers connected to hub routers answer the route queries for the stub router.
- E.A stub router should have only EIGRP hub routers as neighbors.
- F.EIGRP stub routing should be used on hub routers only.

**Answer:** B C E

2.Identify three characteristics of EIGRP feasible successors? (Choose three.)

- A.A feasible successor is selected by comparing the advertised distance of a non-successor route to the feasible distance of the best route.
- B.If the advertised distance of the non-successor route is less than the feasible distance of best route, then that route is identified as a feasible successor.
- C.If the successor becomes unavailable, then the feasible successor can be used immediately without recalculating for a lost route.
- D.The feasible successor can be found in the routing table.
- E.Traffic will be load balanced between feasible successors with the same advertised distance.

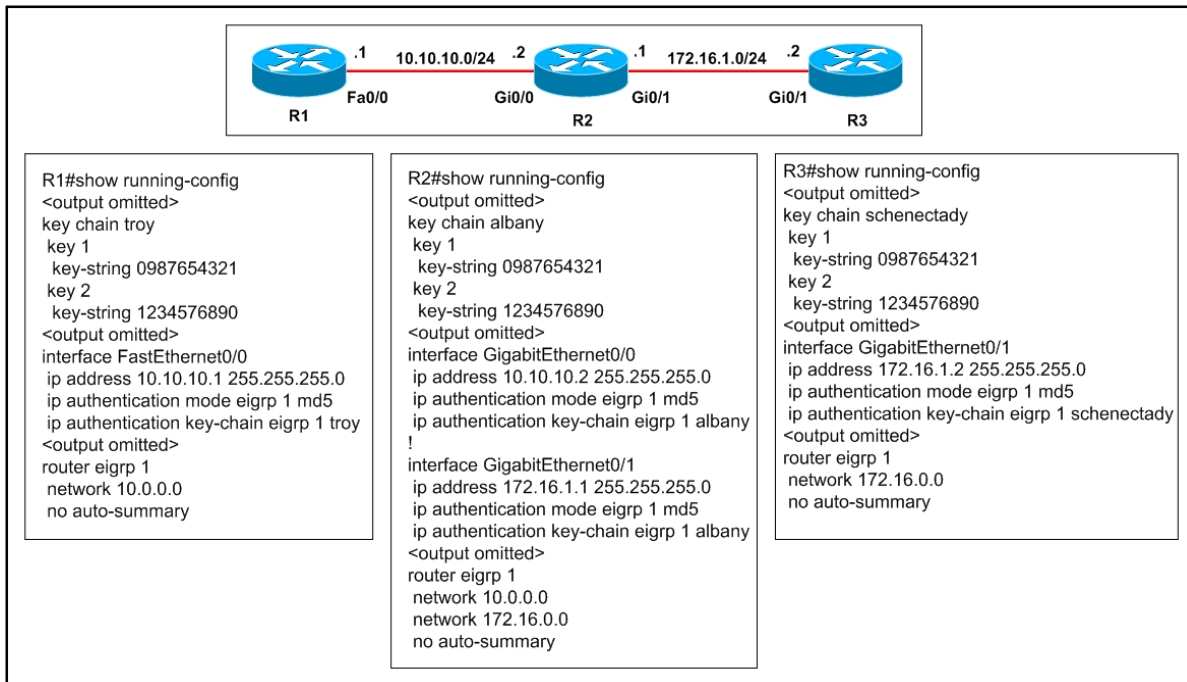
**Answer:** A B C

3.Which is the most effective technique to contain EIGRP queries?  
route summarization

- A.configuring route filters
- B.using a hierarchical addressing scheme
- C.establishing separate autonomous systems

**Answer:** A

4.Refer to the exhibit.



EIGRP is configured on all routers in the network. On the basis of the output provided, which statement is true?

- A. Because the key chain names do not match, router R1 will not be able to ping routers R2 and R3 .
- B. Because the key strings do not match, router R1 will not be able to ping routers R2 and R3.
- C. Because authentication is misconfigured on interfaces Gi0/0 and Gi0/1 on router R2, router R1 will not be able to ping routers R2 and R3.
- D. Because autosummarization needs to be turned on for EIGRP on all routers, router R1 will not be able to ping routers R2 and R3.
- E. Router R1 will be able to ping routers R2 and R3.

**Answer: E**

5. Which EIGRP packet statement is true?

- A. On high-speed links, hello packets are broadcast every 2 seconds for neighbor discovery.
- B. On low-speed links, hello packets are broadcast every 15 seconds for neighbor discovery.
- C. Reply packets are multicast to IP address 224.0.0.10 using RTP.
- D. Update packets route reliable change information only to the affected routers.
- E. Reply packets are used to send routing updates.

**Answer: D**