



# 300-101<sup>Q&As</sup>

Implementing Cisco IP Routing

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### QUESTION 1

Refer to the exhibit. The network setup is running the RIP routing protocol. Which two events will occur following link failure between R2 and R3? (Choose two.)



- A. R2 will advertise network 192.168.2.0/27 with a hop count of 16 to R1.
- B. R2 will not send any advertisements and will remove route 192.168.2.0/27 from its routing table.
- C. R1 will reply to R2 with the advertisement for network 192.168.2.0/27 with a hop count of 16.
- D. After communication fails and after the hold-down timer expires, R1 will remove the 192.168.2.0/27 route from its routing table.
- E. R3 will not accept any further updates from R2, due to the split-horizon loop prevention mechanism.

Correct Answer: AC

### QUESTION 2

Which address is an IPv6 multicast address?

- A. 2002:0:0:0:0:0:0:2
- B. 0002:0:0:0:0:0:0:2
- C. FF02:0:0:0:0:0:0:2
- D. FE02:0:0:0:0:0:0:2

Correct Answer: C

### QUESTION 3

Which three methods can a network engineer use to fix a metric based routing loop in the network.(choose three)

- A. Implement offset lists at network boundaries



- B. Filter routes manually using distribute lists
- C. Filter routes manually using prefix lists
- D. Implement proper network summarisation on key routing points
- E. Filter routes based on tags
- F. Utilise root database filters

Correct Answer: ABE

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#### QUESTION 4

A network engineer is configuring two dedicated Internet connections within the Internet module. One connection is the primary connection to all wired business communications, while the other is the primary connection for all customer wireless traffic. If one of the links goes down, the affected traffic needs to be redirected to the redundant link. Which current technology should be deployed to monitor the scenario?

- A. IP SLA
- B. MMC
- C. IP SAA
- D. PBR

Correct Answer: A

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#### QUESTION 5

Which two routers can do OSPF route summarization? (Choose Two)

- A. ABR
- B. ASBR
- C. Summary router
- D. internal router
- E. Backbone router

Correct Answer: AB

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