



# 642-874<sup>Q&As</sup>

Designing Cisco Network Service Architectures

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### QUESTION 1

Click the Exhibit button.



Refer to the exhibit. Which Layer 2 feature detects a link failure between the switch and router B that decreases OSPF reconvergence to approximately 50 milliseconds?

- A. BFD
- B. UDLD
- C. RSTP
- D. PVST+

Correct Answer: A

### QUESTION 2

Which option is the Cisco preferred, most versatile, and highest-performance way to deploy IPv6 in existing IPv4 environments?

- A. dual stack
- B. hybrid
- C. service block
- D. dual service

Correct Answer: A

### QUESTION 3

OSPF stub areas are an important tool for the Network designer; which of the following two should be considered when utilizing OSPF stub areas? (Choose two)

- A. OSPF stub areas increase the size of the LSDB with the addition of Type 3 and 5 LSAs



- B. OSPF not so stubby areas are particularly useful as a simpler form of summarization
- C. OSPF stub areas are always insulated from external changes
- D. OSPF totally stubby areas cannot distinguish among ABRs for the best route to destinations outside the area
- E. OSPF stub areas can distinguish among ASBRs for destinations that are external to the OSPF domain

Correct Answer: CD

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#### QUESTION 4

Which of the following should the Enterprise Campus network designer consider with respect to Video traffic?

- A. While it is expected that the sum of all forms of video traffic will grow to over 90% by 2013, the Enterprise will be spared this rapid adoption of video by consumers through a traditional top- down approach
- B. Avoid bandwidth starvation due to video traffic by preventing and controlling the wide adoption of unsupported video applications
- C. Which traffic model is in use, the flow direction for the traffic streams between the application components, and the traffic trends for each video application
- D. Streaming video applications are sensitive to delay while interactive video applications, using TCP as the underlying transport, are fairly tolerant of delay and jitter

Correct Answer: C

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#### QUESTION 5

A network engineer must create a Layer 2 switch block design that has deterministic convergence and is loop-free at Layer 2. Which two switch block elements are needed to meet the requirements? (Choose two.)

- A. Layer 3 link between distribution switches
- B. HSRP with interface tracking on uplinks to core switches
- C. RPVST with equal bridge priority on distribution switches
- D. VLANs that do not span access switches
- E. Layer 2 link between distribution switches

Correct Answer: AD

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