

**Exam Code:** 640-863

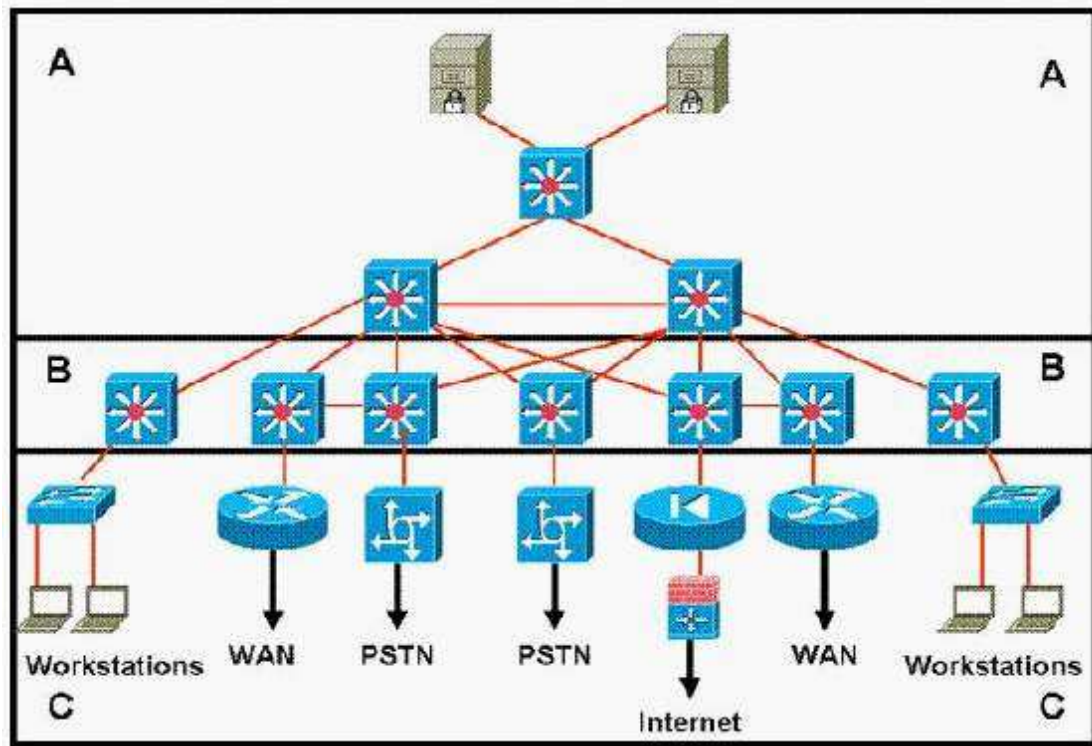
**Exam Name:** Designing for Cisco Internetwork Solutions

**Vendor:** CISCO

**Version:** DEMO

## Part: A

1: Refer to the exhibit. Which statement accurately represents the characteristics of the core layer in this design?



- A. QoS should be performed only in the core.
- B. Load balancing should never be implemented or used in the core.
- C. Access lists should be used in the core to perform packet manipulation.
- D. It is acceptable to use a partial mesh in the core if it is connected to each device by multiple paths.
- E. Policy-based traffic control is implemented in the core to enable prioritization, ensuring the best performance for all time-critical applications.

**Correct Answers: D**

2: Which statement accurately describes one difference between a small office and medium office topology?

- A. Small offices commonly use Rapid PVST+ for Layer 3 deployments.
- B. Medium offices commonly use integrated route and switching platforms.
- C. Medium offices use integrated 10/100/1000 interfaces as Layer 2 trunks.
- D. Medium offices use external access switches to support LAN connectivity.

**Correct Answers: D**

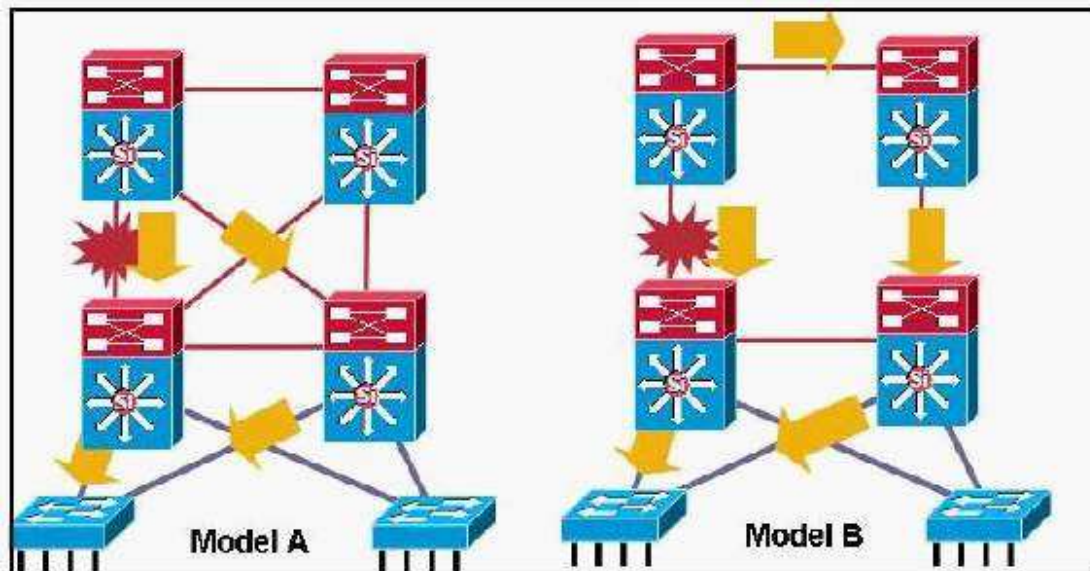
3: Which three factors best justify WAN link redundancy between geographically dispersed sites? (Choose three.)

- A. important traffic flows
- B. lack of speed

- C.high link utilization
- D.uncertain reliability
- E.excessive packet transmission rate
- F.high expense of transmitting data

**Correct Answers: A B D**

4: Refer to the exhibit. Which two statements describe why Model A is the recommended design for routing between Building Distribution switches and Campus Core switches? (Choose two.)



- A.It uses timer-based non-deterministic convergence.
- B.It is software-based, providing fast convergence to the remaining path.
- C.Routes are not summarized from distribution to the core.
- D.The Layer 3 redundant equal cost links support fast convergence.
- E.A link or box failure does not require routing protocol convergence.

**Correct Answers: D E**

5: An organization needs a WAN Transport technology that meets these criteria:

- has a low initial cost
- provides low-to-medium BW
- has medium-to-high latency and jitter

Which technology would you suggest?

- A.DSL
- B.X.25
- C.ISDN
- D.wireless
- E.analog modem

**Correct Answers: A**

6: Which two of these represent a best practice implementation of a Split MAC LWAPP deployment in a Cisco Unified Wireless Network? (Choose two.)

A.Each wireless client authentication type maps to a shared SSID which in turn maps to a common shared VLAN.

B.Each wireless client authentication type maps to a unique SSID which in turn maps to a unique VLAN.

C.Each wireless client authentication type maps to a unique SSID which in turn maps to a common shared VLAN.

D.802.1Q trunking extends from the wired infrastructure to the access point for translation into SSID(s).

E.802.1Q trunking extends from the wired infrastructure to a wireless LAN controller for translation into SSID(s).

F.802.1Q trunking extends from the wired infrastructure to a wireless LAN controller. Then the 802.1Q packet is encapsulated in LWAPP and sent to the access point for transmission over the SSID(s).

**Correct Answers: B E**

7: Which two statements represent advantages that the top-down network design process has over the bottom-up network design process? (Choose two.)

A.is able to provide the big picture

B.utilizes previous experience

C.takes less time to design a network

D.identifies appropriate technologies first

E.provides a design for current and future development

**Correct Answers: A E**

8: Which two of these are required for wireless client mobility deployment when using a Cisco Unified Wireless Network? (Choose two.)

A.assigned master controller

B.matching mobility group name

C.matching RF group name

D.matching RF power

E.matching security

F.matching RF channel

**Correct Answers: B E**

9: Which two VoIP characteristics are affected most by codec choice? (Choose two.)

A.voice quality

B.silent packet handling

C.voice packet header size

D.bandwidth required for voice calls

**Correct Answers: A D**

10: Which H.323 protocol controls call setup between endpoints?

A.H.225

B.H.245

C.RAS  
D.RTCP

**Correct Answers: B**

11: A company is designing a worldwide IPv6 network with duplicated file servers at multiple locations. Each file server contains identical reference information. Which IPv6 address type would be used to allow each end station to send a request to the nearest file server using the same destination address, regardless of the location of that end station?

A.unicast  
B.anycast  
C.multicast  
D.broadcast

**Correct Answers: B**

12: Given a VoIP network with these attributes:

Codec: G.728  
Bit rate: 16 Kbps  
WAN Bandwidth: 256 Kbps  
Packet Header: 6 bytes  
Payload: 40 bytes  
CRTP: Yes

How many calls can be made?

A.7 calls  
B.8 calls  
C.13 calls  
D.14 calls

**Correct Answers: C**

13: The topology map in the draft design document should cover which two layers of the OSI model? (Choose two.)

A.physical  
B.data link  
C.network  
D.transport  
E.session  
F.application

**Correct Answers: A C**

14: Which two techniques can reduce voice packet transfer delay across a link of less than 512 kbps? (Choose two.)

A.deploy LFI  
B.increase queue depth  
C.increase link bandwidth  
D.extend the trust boundary

E.deploy software compression

**Correct Answers: A C**

15: Your company's Cisco routers are operating with EIGRP. You need to join networks with an acquisition's heterogeneous routers at 3 sites, operating with EIGRP and OSPF. Which describes the best practice for routing protocol deployment?

A.apply OSPF throughout both networks

B.apply one-way redistribution exclusively at each location

C.apply two-way redistribution exclusively at each location

D.apply two-way redistribution at each location with a route filter at only one location

E.apply two-way redistribution at each location with a route filter at each location

F.apply EIGRP with the same autonomous system throughout both networks

**Correct Answers: E**