640-864^{Q&As}

Designing for Cisco Internetwork Solutions

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QUESTION 1

According to Cisco, which four improvements are the main benefits of the PPDIOO lifecycle approach to network design? (Choose four.)

A. faster ROI

B. improved business agility

C. increased network availability

D. faster access to applications and services

E. lower total cost of network ownership

F. better implementation team engagement

Correct Answer: BCDE

The PPDIOO life cycle provides four main benefits:

+

It improves business agility by establishing business requirements and technology strategies. + It increases network availability by producing a sound network design and validating the network operation.

+

It speeds access to applications and services by improving availability, reliability, security, scalability, and performance. + It lowers the total cost of ownership by validating technology requirements and planning for infrastructure changes and resource requirements. (Reference: Cisco CCDA Official Exam Certification Guide, 3rd Edition) described in the link below. Link: http://www.ciscopress.com/articles/article.asp? p=1608131andseqNum=3

QUESTION 2

Which IGP provides the fastest convergence by default?

A. EIGRP

B. OSPF

C. IS-IS

D. RSTP

E. BGP

Correct Answer: A

QUESTION 3

Which two routing protocols usually converge most quickly? (Choose two.)

A. RIPv1

B. RIPv2

C. BGP

D. OSPF

E. EIGRP

Correct Answer: DE

QUESTION 4

An application uses broadcast traffic to send data to IPv4 hosts. How can the application communicate using IPv6?

A. Anycast

B. Unicast

C. Broadcast

D. Multicast

Correct Answer: A

QUESTION 5

Select and Place:

Drag the network function on the left to the functional area or module where it is most likely to be performed in the enterprise campus infrastructure on the right.

aggregates connectivity to voice, video, and data outside the enterprise with QoS and security

provides internal users with external HTTP, FTP, SMTP, and DNS connectivity

enables service-oriented architectures, virtualization, and secure computing with load balancing, redundancy

enables intelligent route and switch, high availability resilient multilayer design and integrated security

supports application traffic through the internet, initiated outside the enterprise network

terminates traffic that is forwarded by the internet connectivity module

Enterprise Campus

Enterprise Edge

E-Commerce

Internet Connectivity

Remote Access and VPN

Data Center

Correct Answer:

Drag the network function on the left to the functional area or module where it is most likely to be performed in the enterprise campus infrastructure on the right.

Enterprise Edge	data
Internet Connectivity	FTP,
Data Center	ad
balancing, redundancy	
Enterprise Campus	
integrated security	
E-Commerce	net,
Remote Access and VPN	ternet

Explanation: please refer to link. Link:
http://www.cisco.com/en/US/docs/solutions/Enterprise/Campus/campover.html#wp708979 CCDA Study Guide: Diane Teare

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QUESTION 6

Spanning Layer 2 across geographically separate data centers is a key consideration for current data center designs. Which is the name of the NX-OS technology that facilitates MAC in IP transport for Layer 2 VLANs across any IP network?

A. Overlay Transport Virtualization

B. Virtual Private LAN Services

C. Generic Routing Encapsulation

D. QinQ tunneling

Correct Answer: A

QUESTION 7

What routing protocol requires full mesh between internal peers in an enterprise network?

A. OSPF

B. EIGRP

C. BGP

D. ISIS

E. RIP

Correct Answer: C

QUESTION 8

Which Cisco device has the sole function at looking at threat detection and mitigation at the Enterprise edge?

A. Cisco IOS router

B. Cisco ASA

C. Cisco Catalyst FWSM

D. Cisco IPS

Correct Answer: D

QUESTION 9

What are three key areas that need to be considered when designing a remote data center? (Choose three.)

A. power diversity

B. active directory services

C. Cisco IOS versions

D. data storage

E. applications

F. user access

G. packet routing

Correct Answer: ADE

QUESTION 10

High availability is a key design consideration in the enterprise campus network. In a fully redundant topology, which is likely to provide faster IGP convergence during a failure?

A. redundant supervisors

B. redundant supervisors with Cisco Nonstop Forwarding (NSF) and Stateful Switchover (SSO)

C. single supervisors with tuned IGP timers

D. single supervisors

Correct Answer: C

QUESTION 11

Where in the Cisco Enterprise Architecture model does network management reside?

A. Enterprise data center module

B. Enterprise campus module

C. Enterprise edge module

D. Service Provider edge module
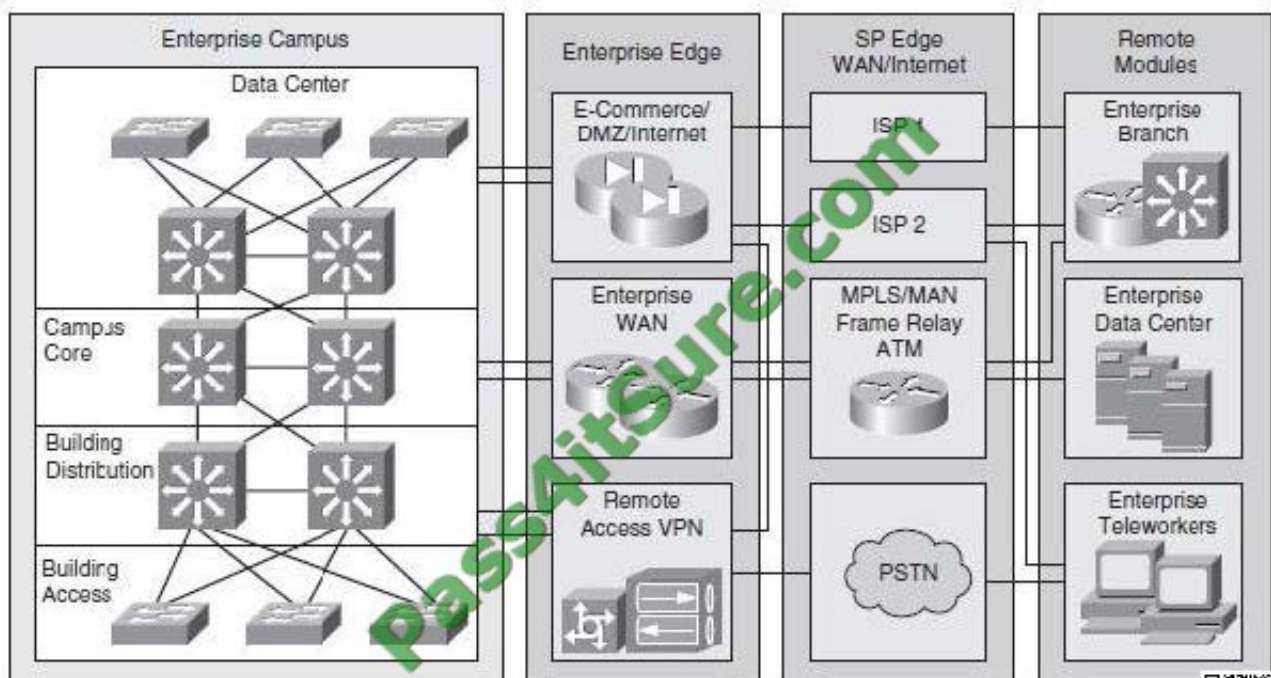
E. Service Provider data center module

Correct Answer: B

Figure 2-5 *Cisco Enterprise Architecture Model*

The network management servers reside in the campus infrastructure but have tie-ins to all the components in the

enterprise network for monitoring and management.

QUESTION 12

What three design requirements are key to designing a campus core? (Choose three.)

A. low latency

B. access control

C. traffic filtering

D. high speed

E. redundant links

F. QoS tagging

Correct Answer: ADE

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