

Exam Code: 642-873

Exam Name: Designing Cisco Network Service
Architectures Exam

Vendor: CISCO

Version: DEMO

Part: A

1: Which of these Layer 2 access designs does not support VLAN extensions?

- A.FlexLinks
- B.loop-free U
- C.looped square
- D.looped triangle
- E.loop-free inverted U

Correct Answers: B

2: Which of these is a Layer 2 transport architecture that provides packet-based transmission optimized for data based on a dual (counter-rotating) ring topology?

- A.DTP
- B.RPR
- C.SDH
- D.CWDM
- E.DWDM

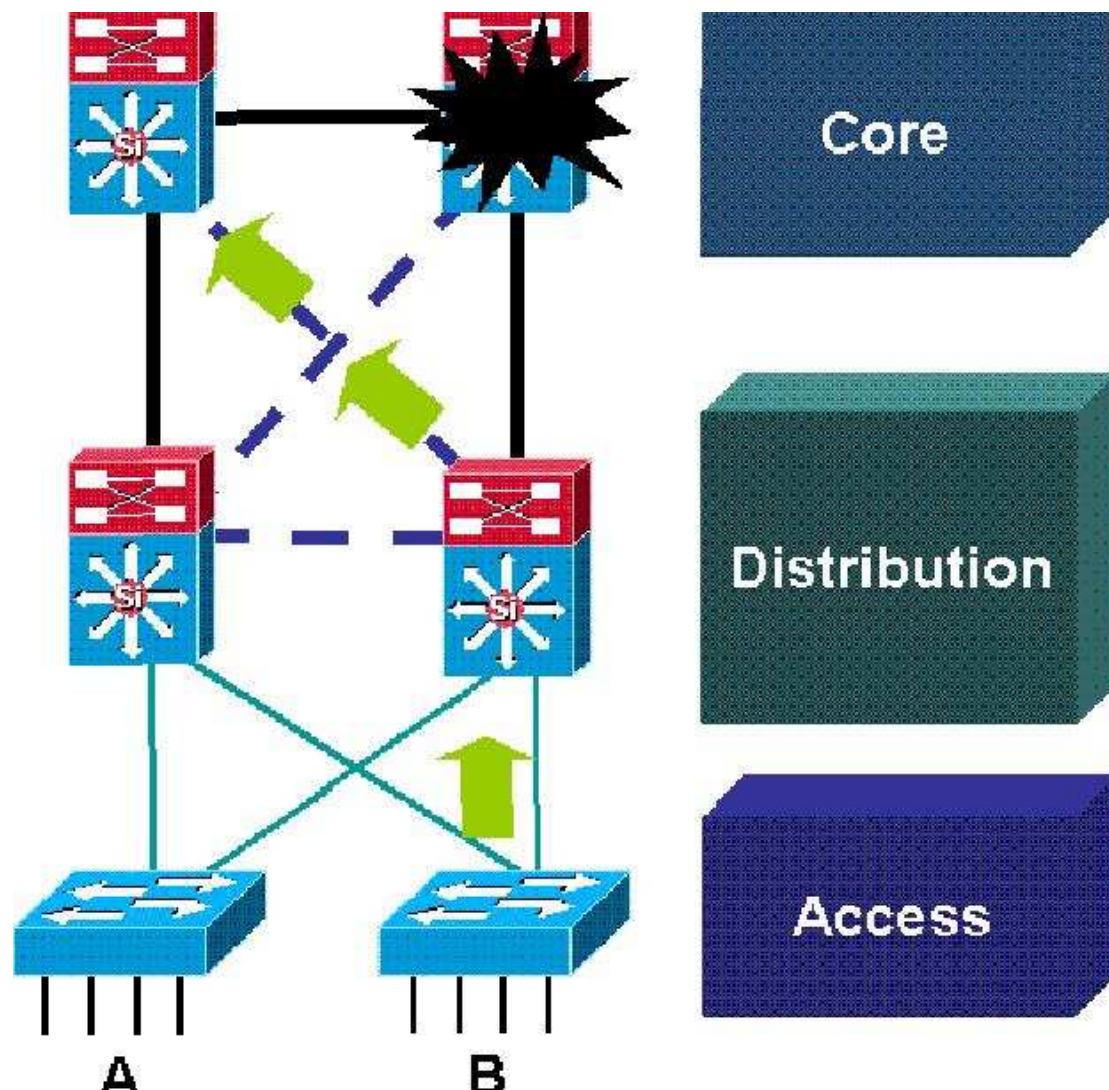
Correct Answers: B

3: Which three of these are elements of the Cisco Unified Wireless Network architecture? (Choose three)

- A.cell phones
- B.remote access
- C.mobility services
- D.network management
- E.network unification
- F.network decentralization

Correct Answers: C D E

4: Refer to the exhibit. Which two of these are correct regarding the recommended practice for distribution layer design? (Choose two.)



- A. use a redundant link to the core
- B. use a Layer 2 link between distribution switches
- C. never use a redundant link to the core because of convergence issues
- D. use a Layer 3 link between distribution switches with route summarization
- E. use a Layer 3 link between distribution switches without route summarization

Correct Answers: A D

5: Which of these terms refers to call issues that cause variations in timing or time of arrival?

- A. queuing
- B. jitter
- C. packet loss
- D. digitized sampling
- E. signal-to-noise ratio ratio

Correct Answers: B

6: Which two of these are characteristics of an IDS sensor? (Choose two.)

- A. passively listens to network traffic
- B. is an active device in the traffic path

- C.has a permissive interface that is used to monitor networks
- D.traffic arrives on one IDS interface and exits on another
- E.has a promiscuous interface that is used to monitor the network

Correct Answers: A E

7: In base e-Commerce module designs, where should firewall perimeters be placed?

- A.core layer
- B.Internet boundary
- C.aggregation layer
- D.aggregation and core layers
- E.access and aggregation layers

Correct Answers: A

8: In which two locations in an enterprise network can an IPS sensor be placed? (Choose two.)

- A.bridging VLANs on two switches
- B.bridging two VLANs on one switch
- C.between two Layer 2 devices with trunking
- D.between two Layer 2 devices without trunking
- E.between a Layer 2 device and a Layer 3 device with trunking

Correct Answers: C D

9: What is a virtual firewall?

- A.another name for a firewall deployed in routed mode
- B.another name for a firewall deployed in transparent mode
- C.a separation of multiple firewall security contexts on a single firewall
- D.a firewall that, when deployed in routed mode, can support up to 1000 VLANs per context
- E.a firewall that has multiple contexts, all of which share the same policies (such as NAT and ACLs)

Correct Answers: C

10: In a VoWLAN deployment, what is the recommended separation between cells with the same channel?

- A.19 dBm
- B.7 dBm
- C.10 dBm
- D.6 dBm
- E.5 dbm to 10 dBm

Correct Answers: A

11: Why is STP required when VLANs span access layer switches?

- A.to ensure a loop-free topology
- B.to protect against user-side loops
- C.in order to support business applications
- D.because of the risk of lost connectivity without STP

E.for the most deterministic and highly available network topology

Correct Answers: B

12: Which site-to-site VPN solution allows Cisco routers, PIX Firewalls, and Cisco hardware clients to act as remote VPN clients in order to receive predefined security policies and configuration parameters from the VPN headend at the central site?

A.Easy VPN

B.GRE tunneling

C.Virtual Tunnel Interfaces

D.Dynamic Multipoint VPN

E.Group Encrypted Transport VPN

Correct Answers: A

13: Which two design concerns must be addressed when designing a multicast implementation? (Choose two.)

A.only the low-order 23 bits of the MAC address are used to map IP addresses

B.only the low-order 24 bits of the MAC address are used to map IP addresses

C.only the high-order 23 bits of the MAC address are used to map IP addresses

D.only the low-order 23 bits of the IP address are used to map MAC addresses

E.the 0x01004f MAC address prefix is used for mapping IP addresses to MAC addresses

F.the 0x01005e MAC address prefix is used for mapping IP addresses to MAC addresses

Correct Answers: A F

14: Which two of these are recommended practices with trunks? (Choose two.)

A.use ISL encapsulation

B.use 802.1q encapsulation

C.set ISL to desirable and auto with encapsulation negotiate to support ILS protocol negotiation

D.use VTP server mode to support dynamic propagation of VLAN information across the network

E.set DTP to desirable and desirable with encapsulation negotiate to support DTP protocol negotiation.

Correct Answers: B E

15: For acceptable voice calls, the packet error rate should be no higher than what value?

A.0.1%

B.1%

C.2.5%

D.25%

Correct Answers: B