ITTEST

QUESTION & ANSWER

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Exam : **642-873**

Title : Designing Cisco Network Service Architectures Exam

Version : Demo

1. You are the network consultant from Cisco.com. Please point out which Layer 2 access designs does not support VLAN extensions?

A. FlexLinks

B. loop-free U

C. looped square

D. looped triangle

Answer: B

2. Which typical enterprise campus requirement ensures that the network supports the required applications and that data flows within the required time frames?

A. availability

B. performance

C. functionality

D. manageability

Answer: C

3. You are the Cisco Network Designer in Cisco.com. Which of these is a Layer 2 transport architecture that provides packet-based transmission optimized for data based on a dual ring topology?

A. Dynamic Trunking Protocol

B. Resilient Packet Ring

C. Synchronous Digital Hierarchy

D. Coarse Wave Division Multiplexing

Answer: B

4. What two choices can you make when redundancy is required from a branch office to a regional office? (Choose two.)

A. multiple Frame Relay PVCs

B. dual Wan links to the regional office

C. dual Wan links to another branch office

D. single links - one to the regional office and one to another branch office

Answer: BD

5. Which one is not the feature of the Cisco Unified Wireless Network architecture?

A. network unification

B. remote access

C. mobility services

D. network management

Answer: B

6. What type of Call Admission control in CallManager allows for limits to the bandwidth consumed by active calls?

A. regions

B. partitions

C. locations

D. device Pools

Answer: C

7. Which two of these are correct regarding the recommended practice for distribution layer design based on the following configuration?
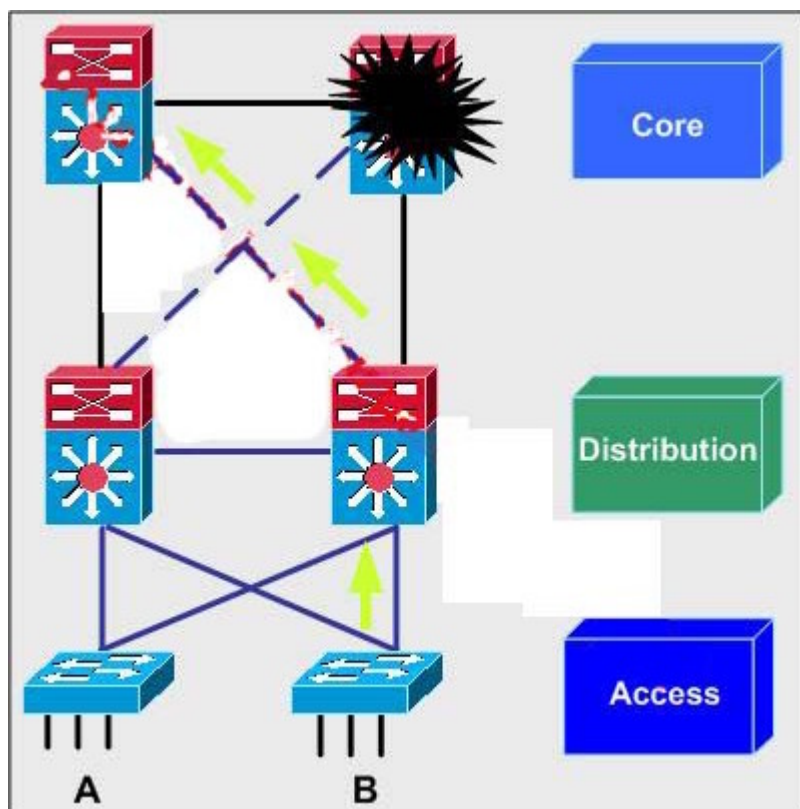
A. use a Layer 2 link between distribution switches

B. use a Layer 3 link between distribution switches

C. use a redundant link to the core

D. use a Layer 3 link between distribution switches with route summarization

Answer: CD

8. Which VPN management feature would be considered to ensure that the network had the least disruption of service when making topology changes?

A. dynamic reconfiguration

B. path MTU discovery

C. auto setup

D. remote management

Answer: A

9. Jitter is an unwanted variation of one or more characteristics of a periodic signal in electronics and telecommunications and _____refers to call issues that cause variations in timing or time of arrival

A. echo

B. jitter

C. packet loss

D. digitized sampling

Answer: B

10. Which three components are part of the Intelligent Network Services provided by the Cisco AVVID

framework? (Choose three.)

A. IP telephony

B. security

C. IP multicasting

D. QoS

Answer: BCD

11. Cisco IDS sensors form the eyes and ears of your Cisco network intrusion detection system. Placing

sensors correctly throughout your network is crucial to successfully implementing your Cisco intrusion

detection system .Which two of these are characteristics of an IDS sensor? (Choose two.)

A. has a permissive interface that is used to monitor networks

B. is an active device in the traffic path

C. passively listens to network traffic

D. has a promiscuous interface that is used to monitor the network

Answer: CD

12. Which three best practices should be implemented at the campus backbone submodule to support the

server farm module? (Choose three.)

A. Implement highly redundant switching and links with no single points or paths of failure.

B. Implement server load balancing.

C. Implement the Hot Standby Router Protocol (HSRP) for failover protection.

D. Implement intrusion detection with automatic notification of intrusion attempts in place.

Answer: ACD

13. 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

Answer: A

14. The network administrator would like to generate synthetic traffic using the Service Assurance Agent contained in Cisco IOS. Which CiscoWorks network management application will be used to report the latency and availability for configured traffic operations on an end-to-end and hop-by-hop (router-to-router) basis?

A. nGenius Real-Time Monitor

B. CiscoView

C. Device Fault Manager

D. Internetwork Performance Monitor

Answer: D

15. Cisco IDS sensors form the eyes and ears of your Cisco network intrusion detection system. Placing sensors correctly throughout your network is crucial to successfully implementing your Cisco intrusion detection system . Where can an IPS sensor be placed in an enterprise network? (Choose two.)

A. core layer

B. bridging two VLANs on one switch

C. between two Layer 2 devices with trunking

D. between two Layer 2 devices without trunking

Answer: CD

16. Which protocol would provide block access to remote storage over WAN links?

A. iSCSI

B. FCIP

C. SCSI-FP

D. eSCSI

Answer: A

17. The Cisco network-based virtual firewall service solution helps service providers to deliver cost-effective, scalable, integrated security services for enterprise customers using Cisco platforms .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

Answer: C

18. What is the device weight limit per CallManager in a Cisco IP phone configuration?

A. 2500

B. 3000

C. 5000

D. 6500

Answer: C

19. In a VoWLAN deployment, It is recommended ___ dBm separation between cells with the same channel.

A. 6

B. 7

C. 10

D. 19

Answer: D

20. Acme Nutrition manufactures a wide variety of vitamin supplements. It has a single manufacturing

facility with 3 regional warehouses and 16 district sales offices. Currently the manufacturing facility requires 210 IP addresses; each warehouse requires 51 IP addresses; each district sales office requires 11 IP addresses; and the IP WAN requires 38 IP addresses.

if Acme Nutrition plans for 20 percent growth in facilities, how many Class C subnets will the district sales offices require?

A. 19 (3 from the warehouse range and 16 from a separate Class C address)

B. 19 (3 from the warehouse block, 15 from a separate Class C block and 1 from the IP WAN block)

C. 20 (4 from the warehouse range,15 from a separate Class C block and 1 from the IP WAN block)

D. 16 (3 from the warehouse range and 13 from a separate Class C address)

Answer: B

21. You are the network consultant from Cisco.com. Please point out the reason that STP required when VLANs span access layer switches

A. ensure a loop-free topology

B. protect against user-side loops

C. support business applications

D. risk of lost connectivity without STP

Answer: B

22. When designing the WAN module within the enterprise edge, which document is used to specify the connectivity and performance agreements with the service provider?

A. RFP

B. RFC

C. SLC/SLA

D. SOW

Answer: C

23. 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

Answer: A

24. Which routing protocol supports a flexible area structure using routing levels one and two?

A. OSPF

B. EIGRP

C. IS-IS

D. BGP

Answer: C

25. 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

Answer: AF

26. When is the site-to-site remote access model appropriate? (Choose one.)

A. for multiple ISDN connections

B. for modem concentrated dial-up connections

C. for a group of users in the same vicinity sharing a connection

D. for use by mobile users

Answer: C

27. 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.

Answer: BE

28. What are three primary activities in the cycle of building an enterprise security strategy? (Choose three.)

A. activity audit

B. administration

C. policy establishment

D. technology implementation

Answer: ACD

29. For acceptable voice calls, the packet error rate should be less than___%

A. 0.01

B. 0.1

C. 1

D. 2.5

Answer: C

30. What are two design guidelines for VoIP networks? (Choose two.)

A. Delay should be no more than 10 ms.

B. Loss should be no more than 1 percent.

C. Jitter should be less then 40 ms.

D. Managed bandwidth is strongly recommended for voice control traffic.

Answer: BD