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Q&A

Exam   :   **640-863**

Title   :   Designing for Cisco
                  Internetwork Solutions

Version :   Demo

1. 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 use integrated 10/100/1000 interfaces as Layer 2 trunks.

C. Medium offices use external access switches to support LAN connectivity.

D. Medium offices commonly use integrated route and switching platforms.

Answer: C

2. Cisco.com is planning to upgrade its current network. The chief technology officer has supplied a topology diagram and an IP addressing scheme of the current network during an interview.

Cisco.com has been growing at about twenty percent per year. It has been difficult to maintain customer support at a satisfactory level. Therefore, the RST board has met with and directed the chief technology officer to look into network improvements. Which two items are most relevant in documenting Cisco.com's business requirements? (Choose two.)

A. network performance requirements

B. existing network topologies

C. the IP addresses assigned by the ISP

D. improved customer support requirements

E. projected growth estimates

Answer: DE

3. Which of these accurately describes dial backup routing?

A. once the backup link is activated it will remain active even after the primary link is restored

B. it always uses permanent static routes

C. it is supplied by the service provider as a secondary PVC at no additional charge

D. the router intiates the dial backup link when a failure is detected on the primary link

E. it always uses distance vector routing protocols

Answer: D

4. DRAG DROP

You work as a network technician at Cisco.com. Your boss, miss Cisco, is interested in QoS features. Match the proper features with appropriate mechanism.

Options,select from these

ACLs	CAR

LFI	LLQ

WRED

Definitions

Congestion management

Congestion avoidance

Classification and marking

Link efficiency

Traffic conditioners

Options,place here

Place here

Place here

Place here

Place here

Place here

Answer:

Definitions

Congestion management
Congestion avoidance
Classification and marking
Link efficiency
Traffic conditioners

Options,place here

LLQ
WRED
ACLs
LFI
CAR

5. Western Associated News Agency recently acquired a large news organization with several sites, which will allow it to expand to worldwide markets. The new acquisition includes these connectivity technologies:

Frame Relay

ATM

SONET

cable

DSL

wireless

From a Layer 1 viewpoint, which Enterprise Edge module will be most affected?

A. E-Commerce

B. Edge Distribution

C. PSTN

D. WAN/MAN

E. Internet Connectivity

F. ISP

Answer: D

6. Which H.323 protocol controls call setup between endpoints?

A. RAS

B. RTCP

C. H.245.

D. H.225.

Answer: D

7. DRAG DROP

You work as a network technician at Cisco.com. Your boss, miss Cisco, is interested in bandwidth usage optimization techniques. Match the proper technique with appropriate defintion

Options,select from these

Data compression	Traffic policing
Window size	queuing

Definitions	Options,place here
Allows network administrators to mange the varying demands generated by applications	Place here
Discards packets or modifies some aspect of them (such as IP procedence)	Place here
Limits the number of frames transmitted before an acknowledgement is received	Place here
Reduces data size to transmission time, optmizing the used WAN bandwidth	Place here

Answer:

Definitions

Allows network administrators to manage the varying demands generated by applications
Discards packets or modifies some aspect of them (such as IP procedence)
Limits the number of frames transmitted before an acknowledgement is received
Reduces data size to transmission time, optmizing the used WAN bandwidth

Options,Place here

queuing
Traffic policing
Window size
Data compression

8. Which two routing protocols operate over NBMA point-to-multipoint networks without the use of point-to-point subinterfaces? (Choose two.)

A. OSPF

B. IS-IS

C. RIPv1.

D. EIGRP

E. IGRP

F. RIPv2.

Answer: AD

9. Which two capabilities of NetFlow accounting assist designers with network planning? (Choose two.)

A. the monitoring of processor time on network devices

B. the calculation of packet and byte counts of network traffic

C. the monitoring of user network utilization

D. the decoding and analyzing of packets

E. the presentation of a time-based view of application usage on the network

Answer: BC

10. DRAG DROP

You work as a network technician at Cisco.com. Your boss, miss Cisco, is interested in Cisco Security solutions. Match the proper solution with appropriate function.

Options,select from these

ASA	Anomaly Guard and Detector

Cisco Security Agent	IPS Appliance

SSL Service Module

Definitions

Prevents attacks inline

Prevents DDoS attacks

Provides multiple functions as a high performance security appliance

Provides Web-Based VPN Services

Protects the endpoints (desktops, laptops and servers)

Options,place here

Place here

Place here

Place here

Place here

Place here

Answer:

Definitions

Prevents attacks inline

Prevents DDoS attacks

Provides multiple functions as a high performance security appliance

Provides Web-Based VPN Services

Protects the endpoints (desktops, laptops and servers)

Options,Place here

IPS Appliance

Anomaly Guard and Detector

ASA

SSL Service Module

Cisco Security Agent

11. Which two design criteria require VLANs in a proposed solution? (Choose two.)

A. video streaming on the LAN

B. a limited corporate budget

C. security between departments

D. the segmenting of broadcast domains

E. the segmenting of collision domains

F. the use of multivendor equipment

Answer: CD

12. You design a network with the following network addresses:

192.168.168.0. 192.168.169.0. 192.168.170.0. 192.168.171.0. 192.168.172.0. 192.168.173.0.

192.168.173.0. 192.168.174.0. 192.168.175.0. Which route address is the best summary of these

network addresses?

A. 192.168.0.0/16.

B. 192.168.168.0/21.

C. 192.168.0.0/24.

D. 192.168.171.128/3.

E. 192.168.175.0/3.

Answer: B

13. Which two of the following statements represent a preferred wireless LWAPP implementation? (Choose two.)

A. verify open ports for:

Layer 2 LWAPP on ethertype OxBBBB

Layer 3 LWAPP on UDP 12222 and UDP 12223.

B. verify open ports for:

Layer 2 LWAPP on ethertype OxBABA

Layer 3 LWAPP on UDP 12222 and TCP 12223.

C. verify open ports for:

Layer 2 LWAPP on ethertype OxABAB

Layer 3 LWAPP on TCP 12222 and TCP 12223.

D. use of Layer 2 LWAPP is preferred over Layer 3 LWAPP

E. use of Layer 3 LWAPP is preferred over Layer 2 LWAPP

Answer: AE

14. Which statement can a network designer use to describe route summarization to an IT manager?

A. It is the grouping of ISP network addresses to minimize the number of routes to the Internet.

B. It is the grouping of multiple contiguous subnets into one Class A, B, or C IP address to minimize routing table size.

C. It is the grouping of multiple contiguous networks and advertising as one large network.

D. It is the grouping of multiple discontiguous subnets to increase routing performance.

Answer: C

15. 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. 14 calls

B. 13 calls

C. 7 calls

D. 8 calls

Answer: B

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

A. silent packet handling

B. bandwidth required for voice calls

C. voice quality

D. voice packet header size

Answer: BC

17. Cisco.com has the following Enterprise Campus design requirements:

at least 10 Gbps of bandwidth

network runs of up to 40km

no concern for transmission medium cost

Which transmission medium should you recommend to this customer?

A. multimode fiber

B. wireless

C. shielded twisted pair

D. single-mode fiber

E. unshielded twisted pair

Answer: D

18. After a period of rapid growth, FloCzar Boats is seeking better network management tools. Managers

have developed this needs list:

Move from static to dynamic device information.

Gain information to assist in long-term trend analysis.

Concentrate on Layer 4 monitoring.

Which management protocol will most help FloCzar achieve its goals?

A. SNMP

B. NetFlow

C. RMON

D. RMON2.

E. Cisco Discovery Protocol

Answer: D

19. A Cisco SONA architecture layer is described as follows:

The layer's IT resources are interconnected across a converged network foundation. The layer's IT resources include servers, storage, and clients. The layer represents how resources exist across the network. The customer objective for the layer is to have anywhere/anytime connectivity. Which Cisco SONA architecture layer is being described?

A. Interactive Services

B. Physical

C. Networked Infrastructure

D. Application

E. Integrated Transport

Answer: C

20. Which two of these are scalability benefits of designing a network that utilizes VPNs? (Choose two.)

A. extends the network to remote users

B. simplifies the underlying structure of Cisco.com WAN

C. reduces dial infrastructure expenditures

D. reduces the number of physical connections

E. allows networks to be set up and restructured quickly

Answer: BD

21. In the Cisco branch office design, what categorizes an office as large?

A. between 100 and 200 users and a two-tier design

B. between 100 and 200 users and a three-tier design

C. over 200 users and a two-tier design

D. between 50 and 100 users and a single-tier design

E. between 50 and 100 users and a three-tier design

Answer: B

22. Which two statements best describe Cisco Wireless LAN Guest Access in a Cisco Unified Wireless Network? (Choose two.)

A. Guest tunnels have limitations on which wireless controllers can terminate the tunnel.

B. Guest tunnels can originate and terminate on any wireless controller platform.

C. Guest tunnels have limitations on which wireless controllers can originate the tunnel.

D. Dedicated guest VLANs are extended throughout the network to the access points for path isolation.

E. Dedicated guest VLANs are only extended to the wireless controllers in the network to ensure path isolation.

F. Dedicated guest access in the DMZ extends from the origination to the termination controllers without dedicated guest VLANs.

Answer: AF

23. Cisco.com wishes to implement VoIP using centralized call-processing. In addition, the customer wishes to establish a balance between good voice quality and good bandwidth utilization. Which codec would you suggest?

A. G.723.1.

B. G.726.

C. G.711.

D. G.729.

Answer: D

24. The Cisco Data Center Network Architecture comprises which two Cisco SONA layers? (Choose two.)

A. Network Infrastructure

B. Collaboration Applications

C. Business Applications

D. WAN/Internet

E. Interactive Services

Answer: AE

25. Cisco.com uses OSPF for internal routing. The company will be connected to VendorA via a single dedicated link and to VendorB via redundant dedicated links. Both vendors also use OSPF for internal routing. Which of the following deployments describes the best intra-domain routing practice in this situation?

A. Connect your company to both VendorA and VendorB using existing OSPF.

B. Use static routes to reach VendorA and EBGP to reach VendorB.

C. Redistribute the routes on each link between your company and the vendors to a shared EIGRP routing protocol.

D. Use static routes to reach both VendorA and VendorB.

E. Use IBGP to reach VendorA and EBGP to reach VendorB.

Answer: B

26. Cisco.com has decided to add a website to enhance sales. The web servers in the E-Commerce module must be accessible without compromising network security. Which two design recommendations can be made to meet these requirements? (Choose two.)

A. Move the E-Commerce servers to the WAN module.

B. Place E-Commerce servers and application servers on isolated LANs (DMZs).

C. Limit the number of incoming connections to the E-Commerce module.

D. Use private and public key encryption.

E. Use intrusion detection on the E-Commerce server farm.

Answer: BE

27. Which type of trunk is required in order to connect a fax machine to a PBX?

A. Foreign Exchange Office

B. intra-office

C. inter-office

D. Foreign Exchange Station

E. central office

Answer: D

28. A network design includes private addressing, but there is also a need for two or three network devices to each be assigned a unique public address so they can be accessed from the Internet. Which technique will satisfy this requirement?

A. Dynamic NAT

B. DHCP

C. VPN tunneling

D. Static NAT

Answer: D

29. What are three valid methods of gathering information about an existing data network? (Choose three.)

A. Use organizational input.

B. Perform a traffic analysis.

C. Use reports that analyze the metrics of the customer's existing network.

D. Analyze the user-mapping of a running application.

E. Perform a packet-level audit to verify carrier service guarantees.

F. Perform a network audit to gather more detail about the network.

Answer: ABF

30. Cisco.com'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 EIGRP with the same autonomous system throughout both networks

B. apply two-way redistribution exclusively at each location

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

D. apply one-way redistribution exclusively at each location

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

F. apply OSPF throughout both networks

Answer: C