Cisco 642-871

CISCO 642-871 CCDP Designing Cisco network
Service Architectures (ARCH)

Practice Test

Version 1.6

QUESTION NO: 1

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

A. activity audit
B. feature evaluation
C. technology implementation
D. administration
E. ACL documentation
F. policy establishment

Answer: A,C,F

QUESTION NO: 2 CORRECT TEXT

Look at the picture.

Drag the definition on the left to the form of NAT it describes on the right.

Maps an unregistered IP address to a registered IP address on a one-to-one basis

Maps an unregistered IP address to a registered IP address from a group of registered IP addresses

maps multiple unregistered IP addresses to a single registered IP address by using different ports. Known also as PAT

replaces registered address with unique IP addresses, shows internal IP addresses as registered unique addresses, translates external registered addresses into a unique private network address

Overlapping

Overloading

Dynamic NAT

Static NAT

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QUESTION NO: 3

Your customer is planning to promote an e-commerce website heavily, and expects to achieve a high volume of transactions. Downtime must be kept to an absolute minimum. What should you include in your proposed availability model?

A. an illustration of the scalability and performance of the system
B. the effects of parallel link options on the network topology
C. the effects of various redundant design options and their costs

D. a plan for the proactive management of redundant components

Answer: C

QUESTION NO: 4

Captain Marion's Videography delivers Internet digital video using 9 MPEG video encoders and a statistical multiplexer. Channels are packed into a 6-MHz channel bandwidth.The MPEG multiplexer monitors and allocates the appropriate bandwidth. The multiplexer measures available bandwidth and feeds back signaling to the MPEG encoders. Coding rates are then increased or decreased. Packet generation from each input source is controlled such that no packets are dropped and no extra null packets can be generated.These bandwidth and traffic requirements work best with which mode of video delivery?

A. VoD delivery
B. fixed broadcast
C. open looped
D. quality equalization

Answer: B

QUESTION NO: 5

Which two are benefits of implementing QoS in Enterprise Networks? (Choose two.)

A. It provides predictable response times.
B. It supports dedicated bandwidth per application.
C. It prevents the need to increase bandwidth when adding applications.
D. It decreases propagation delay.

Answer: A,B

QUESTION NO: 6

Which two statements are true about MLP interleaving? (Choose two.)

A. It fragments and encapsulates packets that are longer than a configured size, but does not encapsulate smaller packets inside a fragmentation header.
B. Packets larger than the fragmentation size are always fragmented, and cannot be interleaved, even if the traffic is voice traffic.
C. Packets smaller than the fragmentation size are interleaved between the fragments of the larger packets.

D. It fragments and encapsulates all packets in a fragmentation header.

Answer: A,C

QUESTION NO: 7

Which three LAN routing protocols would be appropriate for a small retail organization with a multi-vendor LAN infrastructure? (Choose three.)

A. OSPF
B. BGP
C. EIGRP
D. RIPv2
E. RIP
F. IGRP

Answer: A,D,E

QUESTION NO: 8

Which three things can be restricted by the Class of Service in a traditional PBX? (Choose three.)

A. voice mail prompts
B. dial plans
C. ring tones
D. dialed numbers
E. phone features

Answer: B,D,E

QUESTION NO: 9 CORRECT TEXT

Look at the picture.

Drag the Layer 2 roaming characteristic to the wireless LAN security implementation model it applies.

Transparent, Automatically reauthenticates without client intervention	WLAN Static WEP
Transparent, May be easier to extend Layer 2 domain due to reduced broadcast and multicast traffic	WLAN LAN extension via EAP
Transparent	WLAN Lan Extension via IPSec

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QUESTION NO: 10 DRAG DROP

Look at the picture.

Drag the Security activity on the left to the solution it pertains to on the right.

The recognition of each individual user, and mapping of their identity, location, and use policy, plus authorization of their network services.		Firewalls
A method for ensuring the confidentiality, integrity, and authenticity of data communications across a network. Cisco solutions include DES Triple DES.		Vulnerability Patching
A set of related programs, located at a network gateway server, which protects the resources of a private network from users from other networks.		Authentication
Identifying and repairing possible security holes that could compromise a network.		Encryption

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Answer:

Drag the Security activity on the left to the solution it pertains to on the right.

The recognition of each individual user, and mapping of their identity, location, and use policy, plus authorization of their network services.	A set of related programs, located at a network gateway server, which protects the resources of a private network from users from other networks.
A method for ensuring the confidentiality, integrity, and authenticity of data communications across a network. Cisco solutions include DES Triple DES.	Identifying and repairing possible security holes that could compromise a network.
A set of related programs, located at a network gateway server, which protects the resources of a private network from users from other networks.	The recognition of each individual user, and mapping of their identity, location, and use policy, plus authorization of their network services.
Identifying and repairing possible security holes that could compromise a network.	A method for ensuring the confidentiality, integrity, and authenticity of data communications across a network. Cisco solutions include DES Triple DES.

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QUESTION NO: 11

What is one of the reasons that custom QoS ACLs are recommended over automatic QoS when configuring ports on a Catalyst 6500 for use with IP phones?

A. 79xx IP phones do not automatically mark voice packets with non-zero DSCP values.
B. 79xx IP phones do not mark voice packets with optimal DSCP values.
C. 79xx IP phones do not mark protocol packets such as DHCP, DNS, or TFTP with non-zero DSCP values.
D. 79xx IP phones use a custom protocol to communicate CDP information to the switch.

Answer: C

QUESTION NO: 12

MinuteMan PC is a parts distributor doing business worldwide. The IT staff is considering a network upgrade. The main network load is a CRM application used around the clock. Equipment funding is very liberal, but the IT staff has limited assistance time. The staff insists on full network design proof and verification.What is the best way to prototype this design?

A. Use a test network in a lab.
B. Implement live during off-peak hours (although because of the around the clock nature of the business, you will not be able to test very well).
C. Integrate the test with the production network during business hours.
D. Integrate testing with the production network during off-hours.
E. Set up a test network that will operate during off-peak hours.

Answer: A

QUESTION NO: 13

Which network management tool helps network administrators develop and maintain new and existing traffic filters on Cisco devices?

A. Resource Manager
B. CiscoView
C. ACL Manager
D. CiscoNetsys

Answer: C

QUESTION NO: 14

A multinational company has Internet gateways in multiple countries and an internal IP WAN. They are designing an IP addressing scheme.Which are the three most important issues that need to be considered? (Choose three.)
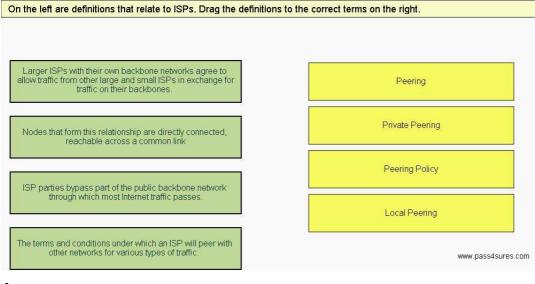
A. Which locations will provide redundant links to the Internet?
B. How many locations are in the network and what is their size?
C. How will VLANs be deployed for the customer?
D. Is hierarchy needed within the IP addressing plan?
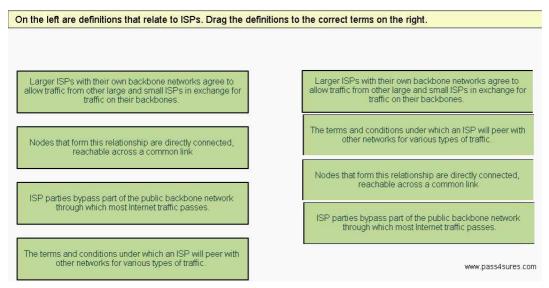E. What types of IP addresses are required, private, public, or both?

Answer: B,D,E

QUESTION NO: 15 DRAG DROP

Look at the picture.

On the left are definitions that relate to ISPs. Drag the definitions to the correct terms on the right.

Larger ISPs with their own backbone networks agree to allow traffic from other large and small ISPs in exchange for traffic on their backbones.

Nodes that form this relationship are directly connected, reachable across a common link

ISP parties bypass part of the public backbone network through which most Internet traffic passes.

The terms and conditions under which an ISP will peer with other networks for various types of traffic.

Peering

Private Peering

Peering Policy

Local Peering

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Answer:

On the left are definitions that relate to ISPs. Drag the definitions to the correct terms on the right.

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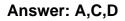**QUESTION NO: 16**

When designing a converged network, which measures can be taken at the building access layer to help eliminate latency and ensure end-to-end quality of service can be maintained? (Choose three.)

A. configure spanning-tree for fast link convergence
B. rate limit voice traffic
C. classify and mark traffic close to the source
D. isolate voice traffic on separate VLANs
E. use low latency queuing at the source

Answer: A,C,D

QUESTION NO: 17

In an Internet e-commerce, browser-based application, which method can have the greatest impact on optimizing WAN bandwidth usage?

A. multiplexing
B. content networking
C. secure sockets layer (SSL)
D. compression

Answer: B

QUESTION NO: 18

Which three are used in configuring Call Manager dial plans? (Choose three.)

A. route keeper
B. route group
C. gateway list
D. route list
E. first digit pattern
F. route pattern

Answer: B,D,F

QUESTION NO: 19

Sun Stable is a global insurance company with headquarters located in Houston, Texas. The campus there is made up of a number of office buildings located within the same vicinity. In 2003, a new building, Building 331B was added. The additional building houses approximately 1000 employees. Rather than deploy a private branch exchange (PBX) in the new building, Sun Stable has decided to implement an IP telephony solution. External calls will be carried across a MAN link to another building, where a gateway connects into the worldwide PBX network of Sun Stable. Voice mail and unified messaging components are required and all IP phones and workstations should be on separate VLANs and IP subnets. Which IP telephony deployment best suits their need?

A. multisite with centralized call processing
B. multisite with distributed call processing

C. single-site

D. clustering over the WAN

Answer: C

QUESTION NO: 20

Which enterprise caching mode eliminates the need for Layer 4 switches or WCCP enabled routers to intercept user requests?

A. transparent

B. proxy

C. reverse proxy

D. direct

Answer: B

QUESTION NO: 21

What are two characteristics of shaping, but not policing? (Choose two)

A. It is typically performed on enterprise egress.

B. It is rate limiting with no buffering mechanism.

C. It can adapt to Frame Relay BECN and FECN.

D. It forces TCP resends.

Answer: A,C

QUESTION NO: 22

In an Internet e-commerce, browser-based application, which method can have the greatest impact on optimizing WAN bandwidth usage?

A. compression

B. content networking

C. multiplexing

D. secure sockets layer (SSL)

Answer: B

QUESTION NO: 23

What are three features of the Cisco Product Advisor tool? (Choose three.)

A. It includes a wireless product search category.

B. It narrows down Cisco networking products based on product cost and network requirements.

C. You can begin searching categories that include routing, switching, and IP telephony.

D. It covers only select routers from the 800 Series through the 7400 Series.

E. It covers select switches from the Catalyst 2800 Series through the Catalyst 8500 Series.

F. It can be used in a novice, question-and-answer mode.

Answer: A,D,F

QUESTION NO: 24

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. SOW

B. RFP

C. RFC

D. SLC/SLA

Answer: D

QUESTION NO: 25 CORRECT TEXT

Look at the picture.

Drag the requirement for Network Management on the left to the service or tool that will meet that need on the right.

Requirements	Services / Tools
centralized command and control for all user authentication, authorization, and accounting	System Administration Server
comprehensive security that combats intrusions, internet worms, bandwidth and application attacks	Access Control Server
the ability to access devices through a path external to that taken by production network traffic	IDS Director
a way to perform out-of-band management to multiple devices connected serially to a server and a modem	Out-of-Band Management
a management station used to configure network management and other network devices	Terminal Server

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