642-873^{Q&As}

Designing Cisco network Service Architectures (ARCH)

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QUESTION 1

Which two modes does LACP support? (Choose two.)

A. on

B. passive

C. associated

D. link

Correct Answer: AB

QUESTION 2

Refer to the exhibit. A customer requires a web application implementation, but the web server has communication only to the application server and users, and the database server has communication only to the application server. What firewall design is the best fit for this scenario?

A. transparent mode with the servers on the same subnet

B. routed mode with three security zones

C. transparent mode with three security zones

D. routed mode with two security zones

Correct Answer: B

QUESTION 3

Which network virtualization plane is used to separate traffic forwarding tables?

A. control

B. data

C. management

D. access

Correct Answer: B

QUESTION 4

Which three options are basic design principles of the Cisco Nexus 7000 Series for data center virtualization? (Choose three.)

A. easy management

B. infrastructure scalability

C. cost minimization

D. upgrade of technology

E. transport flexibility

F. operational continuity

Correct Answer: BEF

QUESTION 5

Which of the following is a result when designing multiple EIGRP autonomous systems within the Enterprise Campus network?

A. Improves scalability by dividing the network using summary routes at AS boundaries

B. Decreases complexity since EIGRP redistribution is automatically handled in the background

C. Reduces the volume of EIGRP queries by limiting them to one EIGRP AS

D. Scaling is improved when a unique AS is run at the Access, Distribution, and Core layers of the network

Correct Answer: A

QUESTION 6

A network engineer is designing a dual router, dual ISP solution and must prefer one ISP for inbound traffic over the other. Which two BGP attributes can be manipulated to accomplish this goal? (Choose two.)

A. AS path

B. MED

C. local preference

D. weight

E. origin code

Correct Answer: AB

QUESTION 7

Refer to the exhibit. Which option should be the default gateway for the PC1 that is shown?

A. 10.3.2.4

B. 10.2.2.2

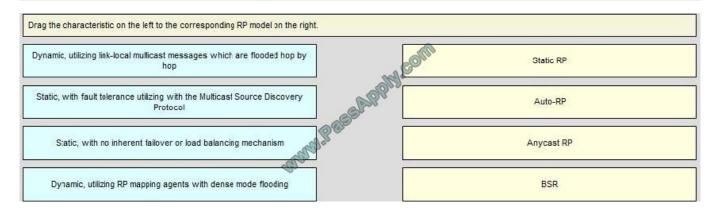C. 10.2.2.1

D. 10.2.2.3

Correct Answer: A

QUESTION 8

What three benefits exist when utilizing Cisco Nexus technology for implementing a unified fabric design? (Choose three.)

A. reduced cabling

B. fewer adapters

C. consolidated switching

D. increased bandwidth

E. enhanced redundancy

F. improved convergence

Correct Answer: ABC

QUESTION 9

A network engineer wants to connect two sites via a WAN technology and to securely pass multicast traffic over this WAN technology. Which WAN technology should be configured?

A. IPsec

B. GRE

C. pure MPLS

D. GRE over IPsec
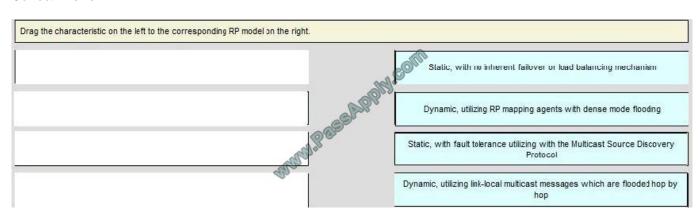
Correct Answer: D

QUESTION 10

Select and Place:

Drag the characteristic on the left to the corresponding RP model on the right.

Dynamic, utilizing link-local multicast messages which are flooded hop by hop	Static RP
Static, with fault tolerance utilizing with the Multicast Source Discovery Protocol	Auto-RP
Static, with no inherent failover or load balancing mechanism	Anycast RP
Dynamic, utilizing RP mapping agents with dense mode flooding	BSR

Correct Answer:

Drag the characteristic on the left to the corresponding RP model on the right.

	Static, with no inherent failover or load balancing mechanism
	Dynamic, utilizing RP mapping agents with dense mode flooding
	Static, with fault tolerance utilizing with the Multicast Source Discovery Protocol
	Dynamic, utilizing link-local multicast messages which are flooded hop by hop

QUESTION 11

Which option is a benefit of the vPC+ feature?

A. Cisco FabricPath is not required in the network domain.

B. This feature provides fault domain separation.

C. Nonfabric devices, such as a server or a classic Ethernet switch, can be connected to two fabric switches that are configured with vPC.

D. The control plane and management plane are combined into one logical plane.

Correct Answer: C

QUESTION 12

There are 3 steps to confirm whether a range of IP addresses can be summarized. Which of the following is used in each of these 3 steps?

A. The first number in the contiguous block of addresses

B. The last number in the contiguous block of addresses

C. The size of the contiguous block of addresses

D. The subnet mask of the original network address

Correct Answer: C

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