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QUESTION 1

A campus network in a switch block design requires redundant distribution switches, load sharing across uplinks, a loop-free topology, and only one gateway IP address per VLAN. Which switching technology meets all of the requirements?

A. HSRP

B. VSS

C. Spanning Tree Protocol

D. EtherChannel

Correct Answer: B

QUESTION 2

A network engineer must create a Layer 2 switch block design that has deterministic convergence and is loop-free at Layer 2. Which two switch block elements are needed to meet the requirements? (Choose two.)

A. Layer 3 link between distribution switches

B. HSRP with interface tracking on uplinks to core switches

C. RPVST with equal bridge priority on distribution switches

D. VLANs that do not span access switches

E. Layer 2 link between distribution switches

Correct Answer: AD

QUESTION 3

Which option is the preferred and most versatile model to deploy IPv6 in existing IPv4 environments?

A. hybrid

B. service block

C. dual stack

D. processes

Correct Answer: C

QUESTION 4

Which of the following features might be used by the Enterprise Campus network designer as a means of route

filtering?

A. IPv4 static routes

B. Route tagging using a route map in an ACL

C. Tagging routes using the BGP MED

D. EIGRP stub networks

Correct Answer: D

QUESTION 5

With respect to address summarization, which of the following statements concerning IPv4 and IPv6 is true?

A. The potential size of the IPv6 address blocks suggests that address summarization favors IPv6 over IPv4.

B. Role based addressing using wildcard masks to match multiple subnets is suitable for IPv4, but unsuitable for IPv6.

C. In order to summarize, the number of subnets in the IPv4 address block should be a power of 2 while the number of subnets in the IPv6 address block should be a power of 64.

D. WAN link addressing best supports summarization with a /126 subnet for IPv4 and a /31 for IPv6.

Correct Answer: B

QUESTION 6

From a design perspective which two of the following OSPF statements are most relevant? (Choose two) A. OSPF stub areas can be thought of as a simple form of summarization

B. OSPF cannot filter intra-area routes

C. An ABR can only exist in two areas - the backbone and one adjacent area

D. Performance issues in the Backbone area can be offset by allowing some traffic to transit a non- backbone area

E. The size of an area (the LSDB) will be constrained by the size of the IP MTU

Correct Answer: AB

QUESTION 7

Distinct, physical redundancy within a network layer is a key characteristic that contributes to the high availability of the hierarchical network design. Which of the following is not an examples of this model?

A. SAN extension with dual fabrics such as a yellow VSAN and a blue VSAN utilized via multipath software

B. Redundant power supplies and hot-swappable fan trays in Aggregate switches

C. A single SAN fabric with redundant uplinks and switches

D. Servers using network adapter teaming software connected to dual-attached access switches

Correct Answer: C

QUESTION 8

A company implemented VoIP in a campus network and now wants a consistent method to implement using AutoQoS. Which two parameters must be considered before AutoQoS is configured? (Choose two.)

A. CEF must be enabled.

B. AutoQoS is available only on routers.

C. Traffic discovery must be performed manually.

D. No service policy can be applied already.

E. Manual traffic analysis must be performed.

Correct Answer: AD

QUESTION 9

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 10

Which two statements about both FCIP and iSCSI are correct? (Choose two.)

A. They support file-level storage for remote devices.

B. They require high throughput with low latency and low jitter.

C. Their purpose is to provide connectivity between host and storage.

D. They support block-level storage for remote devices.

E. Their purpose is to provide connectivity between separate wide-area SANs.

Correct Answer: BD

QUESTION 11

Which three virtualization categories are in campus networks? (Choose three.)

A. Layer 2 virtualization

B. Layer 3 clustering

C. network virtualization

D. device virtualization

E. network clustering

F. device clustering

Correct Answer: CDF

QUESTION 12

What are two advantages of a L2 looped data center design model? (Choose two.)

A. promotes Layer 2 high availability

B. prevents VLAN propagation

C. allows sharing of service modules

D. eliminates the use of STP

E. improves data transfer speeds

Correct Answer: AC

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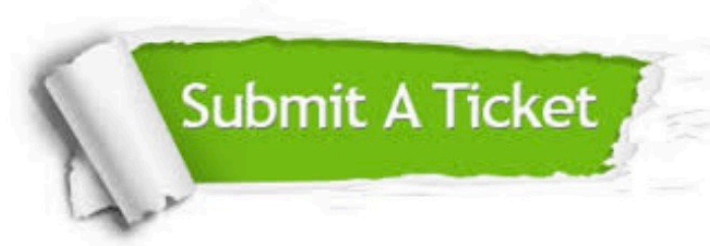
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