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QUESTION 1

Which two options improve BGP scalability in a large autonomous system? (Choose two.)

- A. route reflectors
- B. route redistribution
- C. confederations
- D. communities

Correct Answer: AC

QUESTION 2

A network engineer designing an access layer that requires all uplinks to be active, furthermore, VLANs must span across the entire switch block. Which two design fulfill this requirement? (Choose two)

- A. Layer 2 Flex Links
- B. Layer 2 loop-free inverted U
- C. Layer 2 loop square
- D. Layer 2 loop-free U

Correct Answer: BC

QUESTION 3

An ISP is offering two MPLS circuits to an office when one of the links fails. Which routing feature provides the fastest possible convergence to the failover link?

- A. BFD
- B. UDLD
- C. TTL
- D. multipath

Correct Answer: A

QUESTION 4

Which of this is true of IP addressing with regard to VPN termination?

- A. IGP routing protocols will update their routing tables over an IPsec VPN



- B. Termination devices need routable addresses inside the VPN
- C. Addressing design need to allow for summarization
- D. Designs should not include overlapping address spaces between sites, since NAT is not supported

Correct Answer: C

Best design practices say the VPN design should allow for summarization. With regards to D - sometimes you cannot avoid overlapping addresses as this is what is configured at client's end, and the only option is to hide the overlapping subnet behind NAT - based on experience (The author of this remark has 50x VPN tunnels and majority of them is using NAT, even if the subnet doesn't overlap, we want to hide our real IPs behind something else - extra security)

QUESTION 5

What protocol is used for connectivity between VSS layers?

- A. PAgP
- B. IVR
- C. ISL
- D. VSL
- E. ...

Correct Answer: D

QUESTION 6

The requirement for high availability within the Data Center network may cause the designer to consider which one of the following solutions?

- A. Construct a hierarchical network design using EtherChannel between a server and two VDCs from the same physical switch
- B. Utilize Cisco NSF with SSO to provide intrachassis SSO at Layers 2 to 4
- C. Define the Data Center as an OSPF NSSA area, advertising a default route into the DC and summarizing the routes out of the NSSA to the Campus Core
- D. Implement network services for the Data Center as a separate services layer using an active/active model that is more predictable in failure conditions

Correct Answer: B

QUESTION 7

Which technology allows network managers to centrally manage the VLAN database?



- A. VTP
- B. VLAN
- C. VSS
- D. vPC

Correct Answer: A

QUESTION 8

Which of the following is a recommended practice of a data center core?

- A. Server-to-server traffic always remains in the core layer.
- B. The core infrastructure should be in Layer 3.
- C. Core layer should run BGP along with an IGP because iBGP has a lower administrative distance than any IGP.
- D. The Cisco Express Forwarding hashing algorithm is the default, based on the IP address and Layer 4 port.

Correct Answer: B

QUESTION 9

An international business has several legacy Layer 2 point-to-point circuits between Singapore and United States. The business is trying to save costs by migrating these links to a solution that uses the Internet and maintains transparency to the edge routers. Which technology achieves this goal?

- A. MPLS L3 VPN
- B. pseudowire L2VPN
- C. GRE tunnel D. GETVPN

Correct Answer: B

QUESTION 10

An engineer has to deploy a firewall where the ACLs, NAT, and management are separated for his customers. Which mode do you need to run it in?

- A. Transparent
- B. Multicontext
- C. Routed
- D. IPS



Correct Answer: B

QUESTION 11

Which of these is least important when determining how many users a NAS can support?

- A. bandwidth
- B. number of plug-ins per scan
- C. total number of network devices
- D. number of checks in each posture assessment

Correct Answer: A

QUESTION 12

Which feature set enables the full OSPF routing process when using a Cisco Catalyst 3750X Switch?

- A. LAN base
- B. IP base
- C. IP services
- D. enterprise access

Correct Answer: C

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