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QUESTION 1

The direction of the flow of multicast traffic is based on which protocol?

A. PIM

B. IGMP

C. underlying IGP

D. MSDP

Correct Answer: C

https://www.cisco.com/c/en/us/td/docs/ios/solutions_docs/ip_multicast/White_papers/mcst_ovr.html "Reverse Path Forwarding (RPF) PIM uses the unicast routing information to create a distribution tree along the reverse path from the receivers towards the source. The multicast routers then forward packets along the distribution tree from the source to the receivers. RPF is a key concept in multicast forwarding. It enables routers to correctly forward multicast traffic down the distribution tree. RPF makes use of the existing unicast routing table to determine the upstream and downstream neighbors. A router will forward a multicast packet only if it is received on the upstream interface. This RPF check helps to guarantee that the distribution tree will be loopfree."

QUESTION 2

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.
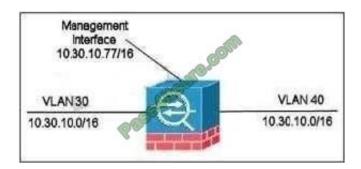
Correct Answer: B

http://www.ciscopress.com/articles/article.asp?p=1763921 For IPv6 access lists, the wildcard masks are not usually used. All source and destination addresses are notated in the form of prefixes. Therefore, it is important that subnets that are to be grouped in an access list falling within a summarized address range.

QUESTION 3

Refer to the exhibit. Which statement about the ASA is true?

A. The management interface is reachable only from VLAN 30.

B. The management interface is reachable only from VLAN 40.

C. It is running in transparent mode.

D. It is running in routed mode.

Correct Answer: C

QUESTION 4

Which two options are storage topologies? (Choose two.)

A. WAS

B. DAS

C. CAS

D. NAS

Correct Answer: BD

QUESTION 5

In what situation must spanning-tree be implemented?

A. when first hop redundancy protocol exists with redundant Layer 2 links between distribution switches

B. when a VLAN spans access layer switches to support business applications

C. when trunks need to extend multiple VLANs across access switches

D. when it is necessary to speed up network convergence in case of link failure

Correct Answer: A

Previous answer was "B" but that has now been changed to "A".

STP (L2 loop prevention mechanism) should be implemented in topologies where possible loops may occur and redundant L2 links between distribution switches is a very good example as long as the links are not channelled (PC,

vPC,

MEC). If the redundant L2 links between distribution switches are channelled, the topology is loop free so no STP is required but the doesn\\'t say anything about that.

With regards to answer "A", VLAN can be stretched between multiple access switches via distribution layer and still be loop free so (know from experience).

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