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Question 1

Question Type: MultipleChoice

Which design consideration must be made when dual WAN Edge routers are deployed at a branch site?

Options:

- A- Use BGP AS-path prepending to influence egress traffic and use MED to influence ingress traffic from the branch.
- B- HSRP priorities must match the OMP routing policy to prefer one WAN Edge over the other.
- C- Traffic must be symmetrical as it egresses the WAN Edges and returns from remote sites for DPI to function properly.
- D- Configure BFD between WAN Edge routers to detect sub-second link failures.

Answer:

A

Question 2

Question Type: MultipleChoice

Which component is part of the Cisco SD-Access overlay architecture?

Options:

- A- border node
- B- spine node
- C- leaf node
- D- Cisco DNA Center

Answer:

D

Question 3

Question Type: MultipleChoice

An engineer must connect a new remote site to an existing OSPF network. The new site consists of two low-end routers, one for WAN, and one for LAN. There is no demand for traffic to pass through this are

a. Which area type does the engineer choose to provide minimal router resources utilization, while still allowing for full connectivity to the rest of the network?

Options:

- A- not so stubby
- B- totally not so stubby
- C- totally stubby area
- D- stubby area

Answer:

C

Question 4

Question Type: MultipleChoice

A company is planning to open two new branches and allocate the 2a01:c30:16:7009::3800/118 IPv6 network for the region. Each branch should have the capacity to accommodate maximum of 200 hosts. Which two networks should the company use? (Choose two.)

Options:

- A- 2a01:0c30:0016:7009::3a00/120
- B- 2a01:0c30:0016:7009::3b00/121
- C- 2a01:0c30:0016:7009::3a80/121
- D- 2a01:0c30:0016:7009::3b00/120
- E- 2a01:0c30:0016:7009::3c00/120

Answer:

A, D

Question 5

Question Type: MultipleChoice

An engineer is designing a multicast network for a company specializing in VoD content. Receivers are across the Internet, and for performance reasons, the multicast framework close to the receivers within each AS. For high availability, if the sources in one AS are no longer available, the receivers of that AS must be able to receive the VoD content from sources in another AS. Which feature must the design include?

Options:

- A- Bidirectional PIM
- B- SSM
- C- Anycast RP
- D- MSDP

Answer:

C

Explanation:

<https://learningnetwork.cisco.com/s/question/0D53i00000KsrGrCAJ/rendezvous-point-high-availability-mechanisms>

Question 6

Question Type: MultipleChoice

An engineer must design a QoS solution for a customer that is connected to an ISP over a 1Gbps link with a 100Mbps CIR. The ISP aggressively drops all traffic received over which is causing numerous TCP retransmissions. The customer is not using any RTP

applications but wants to maximize bandwidth usage up to the CIR. Which QoS solution engineer choose?

Options:

- A- Policing
- B- Traffic shaping
- C- Policer with markdown
- D- Queuing

Answer:

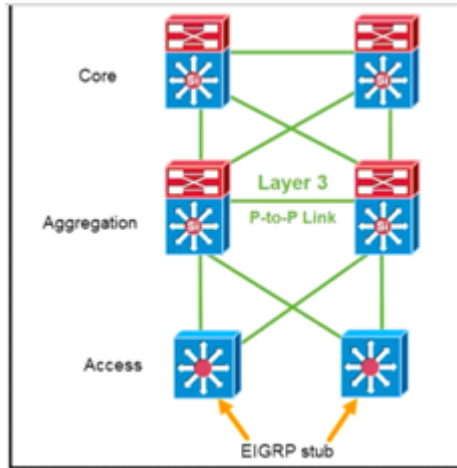
A

Explanation:

<https://www.cisco.com/c/en/us/support/docs/quality-of-service-qos/qos-policing/19645-policevsshape.html>

Question 7

Question Type: MultipleChoice



Refer to the exhibit. Where must an architect plan for route summarization for the topology?

Options:

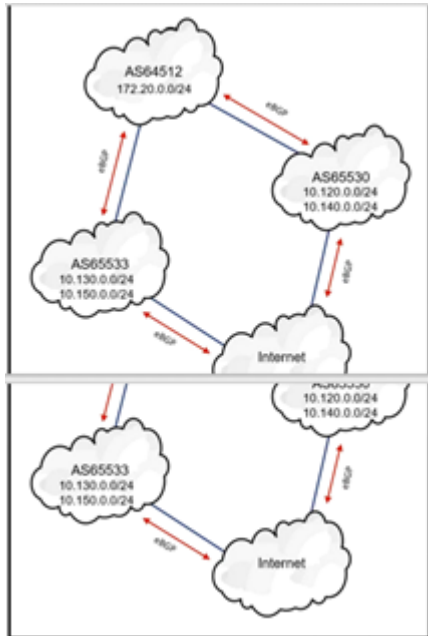
- A- from the core toward the aggregation and the access toward the aggregation
- B- from the core toward the aggregation and the aggregation toward the core
- C- from the aggregation toward the access and the access toward the aggregation
- D- from the aggregation toward the core and the aggregation toward the access

Answer:

D

Question 8

Question Type: MultipleChoice



Refer to the exhibit. AS65533 and AS65530 are announcing a partial Internet routing table as well as their IP subnets. An architect must create a design that ensures AS64512 become a transit AS. Which filtering solution must the architect choose?

Options:

- A- Maximum-prefix
- B- No-advertise
- C- Next-hop
- D- No Export

Answer:

A

Question 9

Question Type: MultipleChoice

An engineer is designing a multicast network for a financial application. Most of the multicast sources also receive multicast traffic (many-to-many deployment model). To better routing tables, the design must not use source trees. Which multicast protocol satisfies these requirements?

Options:

A- BIRDIR-PIM

B- PIM-SM

C- MSDP

D- PIM-SSM

Answer:

A

Question 10

Question Type: MultipleChoice

An engineer must design a large Layer 2 domain that contains hundreds of switches and VLANs. The engineer's primary goals are to:

*Efficiently utilize the bandwidth of all links

*Avoid Layer 2 loops

*Cause minimal impact on switch CPU and memory

Which technology should the engineer include in the design?

Options:

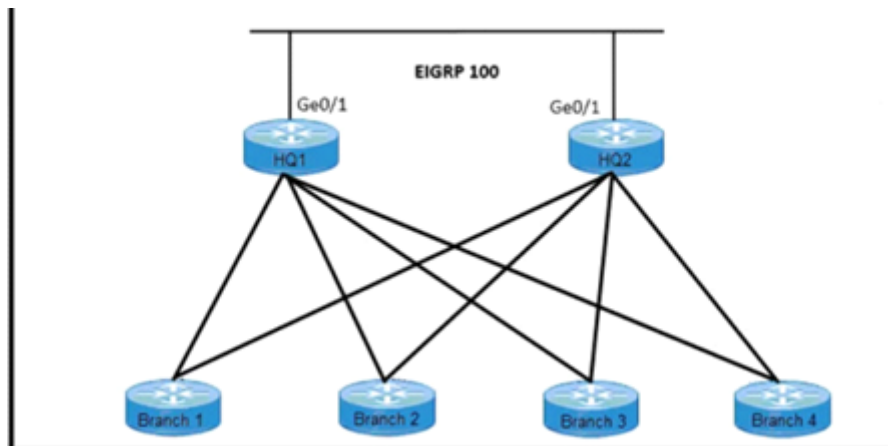
- A- PVST+
- B- Rapid PVST+
- C- MST
- D- RSTP

Answer:

C

Question 11

Question Type: MultipleChoice



Refer to the exhibit. An architect must create a stable and scalable EIGRP solution for a customer. The design must:

*conserve bandwidth, memory, and CPU processing

*prevent suboptimal routing

*avoid any unnecessary queries

Which two solutions must the architect select? (Choose two.)

Options:

A- route summarization

B- prefix lists

C- distribute lists

D- stub routing

E- static redistribution

Answer:

A, C

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