Vendor: Cisco

Exam Code:300-420

Exam Name: Designing Cisco Enterprise Networks (ENSLD)

Version: Demo

QUESTION 1

Which OSPF area blocks LSA Type 3, 4 and 5, but allows a default summary route?

A. normal

B. stub

C. NSSA

D. totally stubby

Correct Answer: D

QUESTION 2

How do IETF OpenConfig and Cisco nativo YANG models differ when used to configure the same feature on an infrastructure device?

A. OpenConfig models are more comprehensive than IETF.

B. Cisco native models are less comprehensive than OpenConfig.

C. Cisco native models are less comprehensive than IETF.

D. IETF models are more comprehensive than OpenConfig.

Correct Answer: A

QUESTION 3

Which method will filter routes between EIGRP neighbors within the same autonomous system?

A. distribute-list

B. policy-based routing

C. leak-map

D. route tagging

Correct Answer: A

QUESTION 4

An engineer uses Postman and YANG to configure a router with:

1.

OSPF process ID 100

2.

network 10.10.10.0/28 enabled for Area 0

Which get-config replay verifies that the model set was designed correctly?

- OSPF process ID 100
- network 10.10.10.0/28 enabled for Area 0

```
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          </network>
        </ospf>
      </router>
    </native>
  </data>
</rpc reply>
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 5

What is the purpose of a Cisco SD-Access underlay network?

A. to abstract IP-based connectivity from physical connectivity

B. to emulate LAN segments to transport Layer 2 frames over a Layer 3 network

C. to establish physical connectivity between switches and routers

D. to provide virtualization by encapsulating network traffic over IP tunnels

Correct Answer: C

QUESTION 6

At which layer does Cisco Express Forwarding use adjacency tables to populate addressing information?

A. Layer4

B. Layer 2

C. Layer 1

D. Layer 3

Correct Answer: B

QUESTION 7

In a Cisco SD-Access fabric, which node facilities connectivity between the fabric and networks external to the fabric?

A. intermediate

B. edge

C. control plane

D. border

Correct Answer: D

QUESTION 8

Which QoS feature responds to network congestion by dropping lower priority packets?

A. CBWFQ

B. tail drop

C. WRED

D. strict priority

Correct Answer: C

QUESTION 9

Which control-plane protocol is used to map an endpoint to a location in a Cisco SD-Access network?
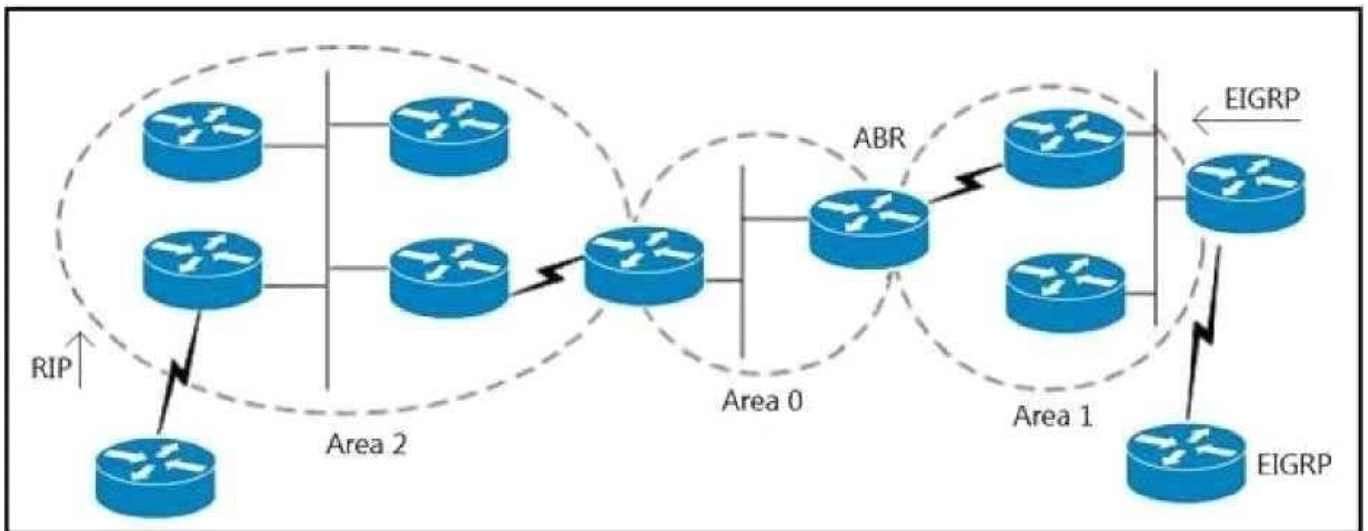
A. FabricPath

B. IS-IS

C. LISP

D. MP-BGP

Correct Answer: C

QUESTION 10

Refer to the exhibit. An engineer is designing an OSPF network for a client. Requirements dictate that the routers in Area 1 should receive all routes belonging to the network, including EIGRP, except the ones originated in the RIP domain. Which action should the engineer take?

A. Make area 1 a NSSA.

B. Make area 1 a stub.

C. Make area 1 a standard OSPF area.

D. Make the area 1 routers part of area 0.

Correct Answer: A

QUESTION 11

An architect must create a QoS solution for a customer to ensure that a 40 Mbps Internet connection is shared between four subnets based on these requirements:

1.

Each subnet must receive no less than 10 Mbps of download bandwidth during peak traffic times.

2.

A subnet can use up to 40 Mbps during nonpeak traffic times if the other subnets are idle.

3.

Download traffic must never experience a delay. Which solution must the architect choose?

A. rate-limiting and shaping

B. bandwidth percentage and policing

C. shaping and policing

D. bandwidth percentage and rate-limiting

Correct Answer: B

QUESTION 12

An engineer is tasked with designing a dual BGP peering solution with a service provider. The design must meet these conditions:

1.

 The routers will not learn any prefix with a subnet mask greater than /24.

2.

 The routers will determine the routes to include in the routing table based on the length of the mask alone.

3.

 The routers will make this selection regardless of the service provider configuration.

Which solution should the engineer include in the design?

A. Use a route map and access list to block the desired networks, and apply the route map to BGP neighbors inbound.

B. Use a route map and prefix list to block the desired networks, and apply the route map to BGP neighbors outbound.

C. Use an IP prefix list to block the desired networks and apply the IP prefix list to BGP neighbors outbound.

D. Use an IP prefix list to block the desired networks and apply the IP prefix list to BGP neighbors inbound.

Correct Answer: D