300-420^{Q&As}

Designing Cisco Enterprise Networks (ENSLD)

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QUESTION 1

Which routes does the overlay management protocol advertise in an SD-WAN overlay?

A. underlay, MPLS, and overlay

B. primary, backup, and load-balanced

C. prefix, TLOC, and service

D. Internet, MPLS, and backup

Correct Answer: C

QUESTION 2

Which NETCONF operation creates filtering that is specific to the session notifications?

A.

B.

C.

D.

Correct Answer: A

QUESTION 3

A customer is discussing QoS requirements with a network consultant. The customer has specified that endto-end path verification is a requirement. Which QoS solution meets this requirement?

A. IntServ model with RSVP to support the traffic flows

B. DiffServ model with PHB to support the traffic flows

C. marking traffic at the access layer with DSCP to support the traffic flows

D. marking traffic at the access layer with CoS to support the traffic flows

Correct Answer: A

QUESTION 4

Which two statements about VRRP advertisements are true? (Choose two.)

A. They are sent from the master router and standby routers.

B. They include VRRP timer information.

C. They are sent only from the master router.

D. They include priority information.

E. They are sent every three seconds by default.

Correct Answer: CD

QUESTION 5

An engineer is designing a QoS policy that queues excess packets for later transmission. Which mechanism must be included in the design?

A. shaping

B. WRED

C. policing
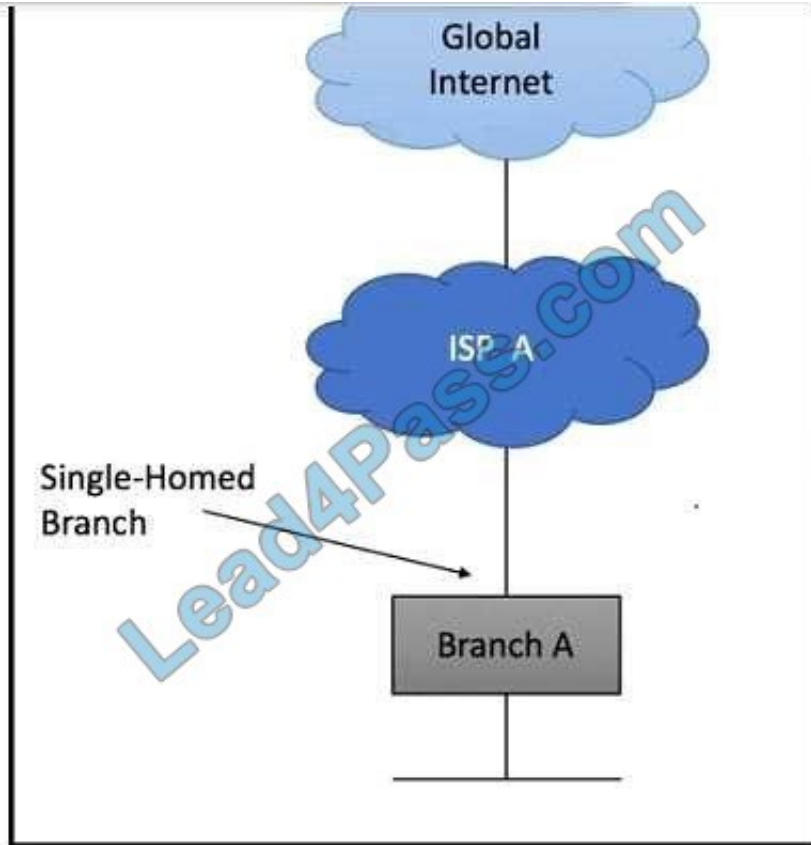
D. RED

Correct Answer: A

QUESTION 6

When a first hop redundancy solution is designed, which protocol ensures that load balancing occurs over multiple routers using a single virtual IP address and multiple virtual MAC addresses?

A. GLBP

B. IRDP

C. VRRP

D. HSRP

Correct Answer: A

QUESTION 7

Refer to the exhibit. An architect is designing a BGP solution to connect a remote branch to a service provider. There are several prefixes within the branch that the company does not want to be advertised to the internet. Which solution should the architect use to accomplish this?

A. Set the BGP Internet community for all prefixes.

B. Implement the NOPEER community.

C. Use the BGP No-Advertise community for the prefixes to exclude.

D. Attach the No-Export community with the prefixes to exclude

Correct Answer: D

QUESTION 8

What is the purpose of a control plane node in a Cisco SD-Access network fabric?

A. to maintain the endpoint database and mapping between endpoints and edge nodes

B. to detect endpoints in the fabric and inform the host tracking database of EID-to-fabric-edge node bindings

C. to identify and authenticate endpoints within the network fabric

D. to act as the network gateway between the network fabric and outside networks

Correct Answer: B

QUESTION 9

An engineer must design a solution to provide backup connectivity between two sites. The engineer plans to use an Internet connection but company policy requires the connection to be encrypted.

Additionally, there are several applications that utilize multicast to deliver video streams between the sites. Which technology should the design include?

A. GRE over IPsec

B. IPsec direct encapsulation

C. GETVPN

D. DMVPN

Correct Answer: A

QUESTION 10

An enterprise customer has these requirements:

1.

end-to-end QoS for the business-critical applications and VoIP services based on CoS marking.

2.

flexibility to offer services such as IPv6 and multicast without any reliance on the service provider.

3.

support for full-mesh connectivity at Layer 2.

Which WAN connectivity option meets these requirements?

A. VPWS

B. MPLS VPN

C. DMVPN

D. VPLS

Correct Answer: D

QUESTION 11

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

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 vEdge over the other.

C. Traffic must be symmetrical as it egresses the vEdges and returns from remote sites for DPI to function properly.

D. Configure BFD between vEdge routers to detect sub-second link failures.

Correct Answer: A

QUESTION 12

An architect is working on a design to connect a company\\\'s main site to several small to medium- sized remote branches. The solution must include redundant WAN links, but the customer has a limited budget and wants the ability to increase the link speed easily in the future. QoS will not on the branch routers so there is no need for consistent end-to-end QoS. Which solution does the architect propose?

A. dual-homed WAN MPLS with single edge router

B. dual-homed Internet with a single edge router running a site-to-site VPN topology

C. dual-homed WAN MPLS and Internet links via dual edge routers

D. dual-homed Internet with dual edge routers running a hub-and-spoke VPN topology

Correct Answer: B

QUESTION 13

A company is running BGP on a single router, which has two connections to the same ISP. Which BGP feature ensures traffic is load balanced across the two links to the ISP?

A. Multihop

B. Multipath Load Sharing

C. Next-Hop Address Tracking

D. AS-Path Prepending

Correct Answer: B

QUESTION 14

DRAG DROP

Drag and drop the descriptions from the left onto the Cisco SD-WAN component they describe on the right.

Select and Place:

Answer Area

distributes routes and policy information via OMP	Cisco WAN Edge router
enables the communication of devices that sit behind NAT	Cisco vSmart Controller
enables centralized provisioning and simplifies network changes	Cisco vManage
is responsible for traffic forwarding, security, encryption, QoS, and routing protocols	Cisco vBond Orchestrator

Correct Answer:

Answer Area

	is responsible for traffic forwarding, security, encryption, QoS, and routing protocols
	distributes routes and policy information via OMP
	enables centralized provisioning and simplifies network changes
	enables the communication of devices that sit behind NAT

Reference: https://www.cisco.com/c/en/us/td/docs/solutions/CVD/SDWAN/cisco-sdwan-design-guide.html

QUESTION 15

Which two routing protocols allow for unequal cost load balancing? (Choose two.)

A. EIGRP

B. IS-IS

C. BGP

D. OSPF

E. RIPng

Correct Answer: AC

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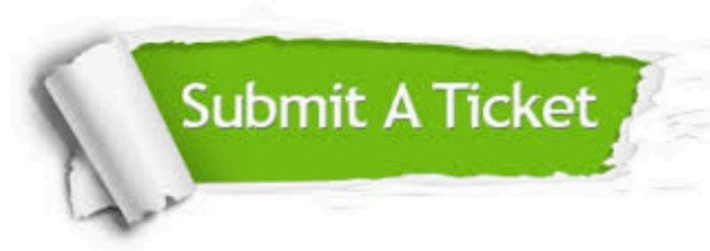
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