

# Cisco

## Exam Questions 300-420

Designing Cisco Enterprise Networks (ENSLD)



#### NEW QUESTION 1

An engineer is working for a large cable TV provider that requires multiple sources streaming video on different channels using multicast with no rendezvous point. Which multicast protocol meets these requirements?

- A. PIM-SM
- B. PIM-SSM
- C. any-source multicast
- D. BIDIR-PIM

**Answer:** D

#### NEW QUESTION 2

Which control-plane technology allows the same subnet to exist across multiple network locations?

- A. LISP
- B. VXLAN
- C. FabricPath
- D. ISE mobility services

**Answer:** B

#### NEW QUESTION 3

What is a benefit of using VRRPv3 as compared to VRRPv2?

- A. VRRPv3 supports IPv4 and IPv6
- B. VRRPv3 supports authentication
- C. VRRPv3 supports preemption
- D. VRRPv3 supports stateful switchover

**Answer:** A

#### NEW QUESTION 4

An enterprise customer has these requirements:

- end-to-end QoS for the business-critical applications and VoIP services based on CoS marking.
- flexibility to offer services such as IPv6 and multicast without any reliance on the service provider.
- support for full-mesh connectivity at Layer 2.

Which WAN connectivity option meets these requirements?

- A. VPWS
- B. MPLS VPN
- C. DMVPN
- D. VPLS

**Answer:** D

#### NEW QUESTION 5

A branch office has a primary L3VPN MPLS connection back to the main office and an IPSEC VPN tunnel that serves as backup. Which design ensures that data is sent over the backup connection only if the primary MPLS circuit is down?

- A. Use EIGRP to establish a neighbor relationship with the main office via L3VPN MPLS and the IPSECVPN tunnel.
- B. Use BGP with the multipath feature enabled to force traffic via the primary path when available.
- C. Use static routes tied to an IP SLA to prefer the primary path while a floating static route points to the backup connection.
- D. Use OSPF with a passive-interface command on the backup connection.

**Answer:** C

#### NEW QUESTION 6

Which two best practices must be followed when designing an out-of-band management network? (Choose two.)

- A. Enforce access control
- B. Facilitate network integration
- C. Back up data using the management network
- D. Ensure that the management network is a backup to the data network
- E. Ensure network isolation

**Answer:** AE

#### NEW QUESTION 7

Which feature must be incorporated into the campus LAN design to enable Wake on LAN?

- A. dynamic ARP Inspection Snooping on layer 2 devices
- B. directed broadcasts on layer 3 devices
- C. proxy ARP on layer 3 devices
- D. DHCP Snooping on layer 2 devices

**Answer:** B

#### NEW QUESTION 8

An infrastructure team is concerned about the shared memory utilization of a device, and for this reason, they need to monitor the device state. Which solution limits impact on the device and provides the required data?

- A. IPFIX
- B. static telemetry
- C. on-change subscription
- D. periodic subscription

**Answer:** A

#### NEW QUESTION 9

A customer with an IPv4 only network topology wants to enable IPv6 connectivity while preserving the IPv4 topology services. The customer plans to migrate IPv4 services to the IPv6 topology, then decommission the IPv4 topology. Which topology supports these requirements?

- A. dual stack
- B. 6VPE
- C. 6to4
- D. NAT64

**Answer:** A

#### NEW QUESTION 10

What are two benefits of designing an SD-WAN network fabric with direct Internet access implemented at every site? (Choose two.)

- A. It decreases latency to applications hosted by public cloud service provider.
- B. It decreases latency on Internet circuits.
- C. It increases the speed of delivery of site deployments through zero-touch provisioning.
- D. It increases the total available bandwidth on Internet circuits.
- E. It alleviates network traffic on MPLS circuits.

**Answer:** AE

#### NEW QUESTION 10

Which consideration must be taken into account when using the DHCP relay feature in a Cisco SD-Access Architecture?

- A. DHCP-relay must be enabled on fabric edge nodes to provide the correct mapping of DHCP scope to the local anycast gateway.
- B. A DHCP server must be enabled on the border nodes to allow subnets to span multiple fabric edges.
- C. DHCP servers must support Cisco SD-Access extensions to correctly assign IPs to endpoints in an SDAccess fabric with anycast gateway.
- D. DHCP Option-82 must be enabled to map the circuit IP option to the access fabric node where the DHCP discover originated.

**Answer:** A

#### NEW QUESTION 12

An engineer is looking for a standards-driven YANG model to manage a multivendor network environment. Which model must the engineer choose?

- A. Native
- B. OpenConfig
- C. IETF
- D. IEEE NETCONF

**Answer:** C

#### NEW QUESTION 14

A network solution is being designed for a company that connects to multiple Internet service providers. Which Cisco proprietary BGP path attribute will influence outbound traffic flow?

- A. Local Preference
- B. MED
- C. Weight
- D. AS Path
- E. Community

**Answer:** C

#### NEW QUESTION 16

An organization is designing a detailed QoS plan that limits bandwidth to specific rates. Which two parameters are supported by the traffic policing feature? (Choose two.)

- A. violating
- B. marking
- C. shaping
- D. bursting

E. conforming

**Answer:** BC

**NEW QUESTION 21**

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

- A. <create-subscription>
- B. <commit>
- C. <notification>
- D. <logging>

**Answer:** A

**NEW QUESTION 24**

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