

➤ **Vendor: Cisco**

➤ **Exam Code: 300-420**

➤ **Exam Name: Designing Cisco Enterprise Networks (ENSLD)**

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QUESTION 53

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

- A. CBWFQ
- B. tail drop
- C. WRED
- D. strict priority

Answer: C

QUESTION 54

Which two BGP features will result in successful route exchanges between eBGP neighbors sharing the same AS number? (Choose two.)

- A. advertise-best-external
- B. bestpath as-path ignore
- C. client-to-client reflection
- D. as-override
- E. allow-as-in

Answer: DE

QUESTION 55

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

Answer: B

QUESTION 56

What is the purpose of an edge node in an SD-Access network fabric?

- A. Edge nodes identify and authenticate endpoints and register endpoint information with control plane nodes.
- B. Edge nodes track endpoint IDs to location mappings, along with IPv4, IPv6, or MAC addresses.
- C. Edge nodes are the gateway between the fabric domain and network outside of the fabric.

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- D. Edge nodes resolve lookup requests from edge and border nodes to locate destination endpoint IDs.

Answer: A

QUESTION 57

An engineer is working with NETCONF and Cisco NX-OS based devices. The engineer needs a YANG model that supports a specific feature relevant only to Cisco NX-OS. Which model must the engineer choose?

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

Answer: D

QUESTION 58

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

Answer: D

QUESTION 59

Which two options are requirements for EIGRP authentication? (Choose two)

- A. A crypto map must be configured.
- B. The Authentication key must be configured under the interface running EIGRP.
- C. The authentication key must be configured within the EIGRP routing configuration.
- D. The authentication key IDs must match between two neighbors.
- E. A separate key chain must be configured.
- F. AN IPsec profile must be configured.

Answer: BD

QUESTION 60

A network engineer replaced a bad router with a spare, used router in an OSPF network. After the replacement, OSPF neighborship is not being established on one of the interfaces. Which two reasons cause this issue? (Choose two)

- A. authentication mismatch
- B. MTU mismatch
- C. OSPF process numbers do not match on both neighbor routers
- D. OSPF timers match
- E. area numbers match

Answer: BC

QUESTION 61

You are implementing WAN access for an enterprise network while running applications that require a fully meshed network, which two design standards are appropriate for such an environment? (Choose two)

- A. A centralized DMVPN solution to simplify connectivity for the enterprise
- B. A dedicated WAN distribution layer to consolidate connectivity to remote sites
- C. A collapsed core and distribution layer to minimize costs
- D. Multiple MPLS VPN connections with static routing
- E. Multiple MPLS VPN connections with dynamic routing

Answer: AB

Explanation:

With DMVPN phase 2 and 3, spokes can speak with each other directly like they are directly connected in a meshed network. This simplifies the connectivity for the enterprise -> Answer A is correct.

Another way to run applications that require a fully meshed network is through a WAN distribution layer that is connected to all remote sites. Therefore these sites can communicate with each other via this WAN distribution layer.

QUESTION 62

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

QUESTION 63

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

QUESTION 64

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

QUESTION 65

An engineer is designing an enterprise campus network.

The LAN infrastructure consists of switches from multiple vendors, and Spanning Tree must be used as a Layer 2 loop prevention mechanism.

All configured VLANs must be grouped in two SIP instances.

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Which standards-based Spanning Tree technology supports this design solution?

- A. MSTP
- B. RSTP
- C. Rapid PVST
- D. STP

Answer: A

QUESTION 66

What are three key concepts that apply when configuring the EIGRP stub routing feature in a hub and spoke network? (Choose three.)

- A. A hub router prevents routes from being advertised to the remote router.
- B. Only remote routers are configured as stubs.
- C. Stub routers are not queried for routes.
- D. Spoke routers connected to hub routers answer the route queries for the stub router.
- E. A stub router should have only EIGRP hub routers as neighbors.
- F. EIGRP stub routing should be used on hub routers only.

Answer: BCE

QUESTION 67

When vEdge router redundancy is designed, which FHRP is supported?

- A. HSRP
- B. OMP
- C. GLBP
- D. VRRP

Answer: D

QUESTION 68

Which feature is required for graceful restart to recover from a processor failure?

- A. Cisco Express Forwarding
- B. Virtual Switch System
- C. Stateful Switchover
- D. Bidirectional Forwarding Detection

Answer: A

QUESTION 69

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

Answer: A

QUESTION 70

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