Vendor: Cisco

Exam Code: 300-420

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Q & As: 60

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
When a network is designed using IS-IS protocol, which two circuit types are supported? (Choose two.)

A. nonbroadcast multiaccess
B. multiaccess
C. point-to-multipoint
D. nonbroadcast
E. point-to-point

Correct Answer: BE

QUESTION 3
Which control-plane technology allows the same subnet to exist across multiple network locations?

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

Correct Answer: B

QUESTION 4
A router running ISIS is showing high CPU and bandwidth utilization. An engineer discovers that the router is configured as L1/L2 and has L1 and L2 neighbors. Which step optimizes the design to address the issue?

A. Make this router a DIS for each of the interfaces
B. Disable the default behavior of advertising the default route on the L1/L2 router
C. Configure the router to be either L1 or L2
D. Configure each interface as either L1 or L2 circuit type

Correct Answer: D

QUESTION 5
Which solution allows overlay VNs to communicate with each other in an SD-WAN Architecture?

A. External fusion routers can be used to map VNs to VRFs and selectively route traffic between VRFs.
B. GRE tunneling can be configured between fabric edges to connect one VN to another.
C. SGTs can be used to permit traffic from one VN to another.
D. Route leaking can be used on the fabric border nodes to inject routes from one VN to another.

Correct Answer: B

QUESTION 6
When IPsec VPNs are designed, what is a unique requirement if support for IP Multicast is required?

A. encapsulation of traffic with GRE or VTI
B. IPsec forwarding using transport mode
C. additional bandwidth for headend
D. IPsec forwarding using tunnel mode

Correct Answer: A

QUESTION 7
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

Correct Answer: D

QUESTION 8
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

Correct Answer: C

QUESTION 9
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 10
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. Which standards-based Spanning Tree technology supports this design solution?

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

Correct Answer: A

QUESTION 11
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

Correct Answer: A

QUESTION 12
When designing interdomain multicast, which two protocols are deployed to achieve communication between multicast sources and receivers? (Choose two.)

A. IGMPv2
B. BIDIR-PIM
C. MP-BGP
D. MSDP
E. MLD

Correct Answer: CD

QUESTION 13
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

Correct Answer: A

QUESTION 14
An engineer must design a multicast network for a financial application. Most of the multicast sources also receive multicast traffic (many-to-many deployment model). To better scale routing tables, the design must not use source trees. Which multicast protocol satisfies these requirements?

A. PIM-SSM
B. PIM-SM
C. MSDP
D. BIDIR-PIM

Correct Answer: B

QUESTION 15
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

Correct Answer: B

QUESTION 16
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 17
How do endpoints inside an SD-Access network reach resources outside the fabric?

A. a VRF fusion router is used to map resources in one VN to another VN
B. Fabric borders use VRFs to map VNs to VRFs
C. SD-Access transit links are used to transport encapsulated traffic from one fabric to another
D. A fabric edge is used to de-encapsulate VXLAN traffic to normal IP traffic then transported over the outside network