Cisco

Exam Questions 300-420

Designing Cisco Enterprise Networks (ENSLD)

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NEW QUESTION 1
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

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
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

NEW QUESTION 4
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

Answer: A

NEW QUESTION 5
What is one function of the vSmart controller in an SD-WAN deployment?

A. orchestrates vEdge and cEdge connectivity
B. responsible for the centralized control plane of the SD-WAN network
C. provides centralized network management and a GUI to monitor and operate the SD-WAN overlay
D. provides a data-plane at branch offices to pass traffic through the SD-WAN network

Answer: B

NEW QUESTION 6
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.

Answer: B

NEW QUESTION 7
A network engineer must connect two sites across a public network using a secure tunneling technology that supports multicast traffic. Which technology must be chosen?

A. IPsec
B. GRE
C. PPTP
D. GRE over IPsec

Answer: D

NEW QUESTION 8
Drag and drop the properties from the left onto the protocols they describe on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 9
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

Answer: CD

NEW QUESTION 10
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

Answer: BE

NEW QUESTION 10
An engineer must design a VPN solution for a company that has multiple branches connecting to a main office. What are two advantages of using DMVPN instead of IPsec tunnels to accomplish this task? (Choose two.)

A. support for AES 256-bit encryption
B. greater scalability
C. support for anycast gateway
D. lower traffic overhead
E. dynamic spoke-to-spoke tunnels

Answer: BE

NEW QUESTION 14
Which two routing protocols allow for unequal cost load balancing? (Choose two.)

A. EIGRP
B. IS-IS
C. BGP
D. OSPF
E. RIPng

Answer: AC

NEW QUESTION 17
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

Answer: A

NEW QUESTION 19
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

Answer: C

NEW QUESTION 20
Company A recently acquired another company. Users of the newly acquired company must be able to access a server that exists on Company A's network, both companies use overlapping IP address ranges. Which action conserves IP address space and provides access to the server?

A. Use a single IP address to create overload NAT
B. Use a single IP address to create a static NAT entry
C. Build one-to-one NAT translation for every user that needs access
D. Re-IP overlapping address space in the acquired company

Answer: A

NEW QUESTION 25
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

Answer: A

NEW QUESTION 28
Which design consideration must be made when using IPv6 overlay tunnels?

A. Overlay tunnels that connect isolated IPv6 networks can be considered a final IPv6 network architecture.
B. Overlay tunnels should only be considered as a transition technique toward a permanent solution.
C. Overlay tunnels can be configured only between border devices and require only the IPv6 protocol stack.
D. Overlay tunneling encapsulates IPv4 packets in IPv6 packets for delivery across an IPv6 infrastructure.

Answer: C

NEW QUESTION 31
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 35
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

NEW QUESTION 37
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 38
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

Answer: D

NEW QUESTION 42
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