Cisco 352-001 Exam

Volume: 314 Questions

Question No : 1
You are designing the QoS features for a large enterprise network that includes DMVPN. When would you need to configure QoS preclassify?

A. when you are marking packets with the DSCP bits

B. when you are marking packets with the TOS bits

C. when your service provider requires the DSCP bits be set

D. when the QoS policy cannot be based on DSCP ToS bits

Answer: D

Question No : 2
A company wants to use SSM as the multicast routing protocol inside its network. Some of its multicast applications do not support IGMPv3. In which two ways can the mapping be done when these applications send IGMPv2 join messages? (Choose two.)

A. The Layer 2 switches can send a request to a DNS server.

B. The Layer 3 multicast routers can send a request to a DNS server.

C. The mapping can be done statically at the Layer 2 switches.

D. The mapping can be done statically at the Layer 3 multicast routers.

E. The Layer 2 switches can transform the IGMPv2 join to an IGMPv3lite join.

F. The Layer 3 multicast routers can transform the IGMPv2 join to an IGMPv3lite join.

Answer: B,D

Question No : 3
You are working on a network design plan for a company with approximately 2000 sites. The sites will be connected using the public Internet. You plan to use private IP addressing in the network design, which will be routed without NAT through an encrypted WAN network. Some sites will be connected to the Internet with dynamic public IP addresses, and these addresses may change occasionally. Which VPN

solution will support these design requirements?

A. GET VPN must be used, because DMVPN does not scale to 2000 sites.

B. DMVPN must be used, because GET VPN does not scale to 2000 sites.

C. GET VPN must be used, because private IP addresses cannot be transferred with DMVPN through the public Internet.

D. DMVPN must be used, because private IP addresses cannot be transferred with GET VPN through the public Internet.

E. GET VPN must be used, because DMVPN does not support dynamic IP addresses for some sites.

F. DMVPN must be used, because GET VPN does not support dynamic IP addresses for some sites.

Answer: D

Question No : 4
When you design a network, when would it be required to leak routes into a Level 1 area?

A. when a multicast RP is configured in the nonbackbone area

B. when MPLS L3VPN PE devices are configured in the Level 1 areas

C. when equal cost load balancing is required between the backbone and nonbackbone areas

D. when unequal cost load balancing is required between the backbone and nonbackbone areas

Answer: B

Question No : 5
A large enterprise customer is migrating thousands of retail offices from legacy TDM circuits to an Ethernet-based service. The network is running OSPF and has been stable for many years. It is now possible to backhaul the circuits directly to the data centers, bypassing the regional aggregation routers. Which two networking issues need to be addressed to ensure stability with the new design? (Choose two.)

A. Nothing will change if the number of offices is the same.

B. Nothing will change if the number of physical interfaces stays the same.

C. The RIB will increase significantly.

D. The FIB will increase significantly.

E. The amount of LSA flooding will increase significantly.

F. The size of the link-state database will increase significantly.

Answer: E,F

Question No : 6
During a corporate merger, a network designer is asked for a solution that will provide connectivity between the two enterprise networks. The solution must have the ability to support video sessions so that the CEO can message merger activities to the employees. The designer decides to consider multicast as a transport with MSDP to provide redundancy. Which transport feature does the network designer need to apply to the interconnecting firewall to ensure that Source-Active messages between the MSDP peers can be sent in both enterprise networks?

A. unicast over a UDP connection

B. multicast over a UDP connection

C. unicast over a TCP connection

D. multicast over a TCP connection

Answer: C

Question No : 7
You are designing a wireless LAN with the following components:
. High-density indoor access point deployment
. 2.4-GHz and 5-GHz radios
. 802.11a, 802.11g, and 802.11n mode wireless LAN clients
Site survey results show negligible foreign WiFi and non-WiFi interference. What is the best method to decrease duty cycle (radio frequency utilization) and increase overall wireless LAN client performance for this design?

A. Disable all data rates below 12 Mb/s on all access points.

B. Decrease radio transmit power on all access points that report a high duty cycle.

C. Increase radio transmit power on all access points that report a high duty cycle.

D. Disable all data rates above 12 Mb/s on all access points.

E. Increase radio transmit power on all access points.

Answer: A

Question No : 8
In a large enterprise network with multiple data centers and thousands of access devices, OSPF is becoming unstable due to link flapping. The current design has the access devices multihomed to large aggregation routers at each of the data centers. How would you redesign the network to improve stability?

A. Add a layer of regional Layer 3 aggregation devices, but leave the ABR function on the data center aggregation routers.

B. Add a layer of regional Layer 2 aggregation devices, but leave the ABR function on the data center aggregation routers.

C. Add a layer of regional Layer 3 aggregation devices and move the ABR function to the regional aggregation device.

D. Add a layer of regional Layer 2 aggregation devices and move the ABR function to the regional aggregation device.

Answer: C

Question No : 9
A switched network is being designed to support a manufacturing factory. Due to cost constraints, fiber-based connectivity is not an option. Which design allows for a stable network when there is a risk of interference from the manufacturing hardware in use on the factory floor?

A. Design the network to include UDLD to detect unidirectional links and take them out of service.

B. Design the network to include EtherChannel bundles to prevent a single-link failure from taking down a switch interconnection point.

C. Design the network to include loop guard to prevent a loop in the switched network when a link has too much interference.

D. Design the network to include BackboneFast on all devices to accelerate failure convergence times.

Answer: A

Question No : 10
A metro service provider is planning Resilient Ethernet Protocol for his backbone. Which two aspects must be considered before the network design is finalized? (Choose two.)

A. Two Resilient Ethernet Protocol segments can be connected redundantly at two points. One connection will be blocked, using the Spanning Tree Protocol defined in IEEE 802.1D.

B. UniDirectional Link Detection Protocol can be enabled on Resilient Ethernet Protocol interfaces to detect unidirectional failures.

C. The guaranteed convergence recovery time is less than 50 ms for the local segment.

D. A Resilient Ethernet Protocol segment is limited to a maximum of seven devices.

E. VLAN load balancing for optimal bandwidth usage is supported in any Resilient Ethernet Protocol segment.

Answer: B,E

Question No : 11
Which three techniques can be used to improve fault isolation in an enterprise network design? (Choose three.)

A. aggregate routing information on an OSPF ABR

B. fully meshed distribution layer

C. Equal-Cost Multipath routing

D. EIGRP query boundaries

E. multiple IS-IS flooding domains

F. tuned Spanning Tree Protocol timers

Answer: A,D,E

Question No : 12

Which technique can you use to detect forwarding path failures at a uniform rate, and reconvergence times will be consistent and predictable when your routers are in the same broadcast domain?

A. Enable BFD on your routers.

B. Configure your routers with IP-SLA to ping the peer router.

C. Configure your routers with IP-SLA and track to ping the peer and switch to a default route if the pings fail.

D. Tune your routing protocol timers.

Answer: A

Question No : 13
What are two design advantages to using virtual port channel? (Choose two.)

A. enhanced system availability through multiple systems

B. reduced Spanning Tree Protocol convergence time

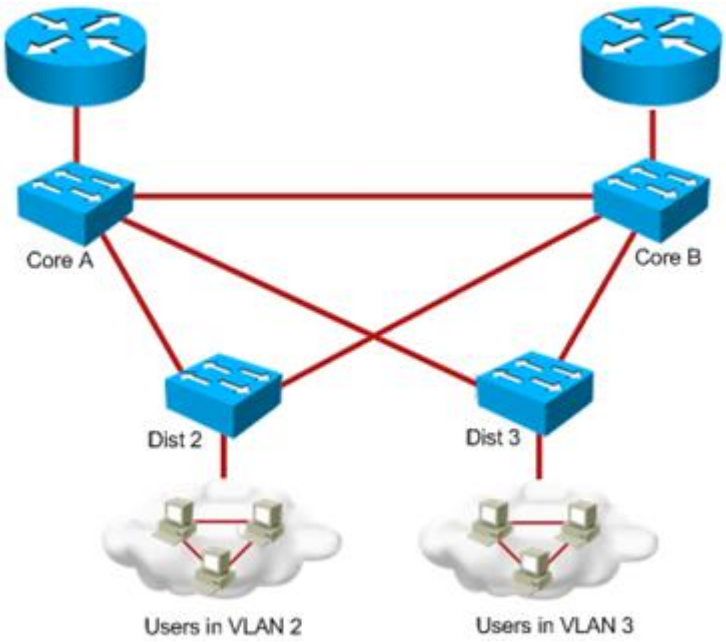
C. loop management without use of Spanning Tree Protocol

D. ability to use Spanning Tree Protocol blocked ports to forward traffic

E. enhanced ability to recover from Spanning Tree Protocol changes

Answer: A,C

Question No : 14
Refer to the exhibit.



You are designing a spanning-tree network for a small campus. Which two of these options would result in a trouble-free spanning-tree network design? (Choose two.)

A. Convert all ports to trunk ports, prune off the VLANs that you do not require, and minimize the number of blocking ports.

B. Introduce Layer 3 VLANs (SVIs) and prune off the VLANs that you do not require.

C. Convert all the ports to trunk and enable BackboneFast.

D. Convert all the ports to trunk and enable UplinkFast between all the links.

Answer: A,B

Question No : 15
A planned EBGP network will use OSPF to reach the EBGP peer addresses. Which of these conditions should be avoided in the design that could otherwise cause the peers to flap continuously?

A. An ACL blocks TCP port 179 in one direction.

B. IP addresses used to peer are also being sent via EBGP.

C. The OSPF area used for peering is nonbackbone (not area 0).

D. The routers are peered by using a default route sent by OSPF.

Answer: B

Question No : 16
ACME Corporation is integrating IPv6 into their network, which relies heavily on multicast distribution of data. Which two IPv6 integration technologies support IPv6 multicast? (Choose two.)

A. 6VPE

B. 6PE

C. dual stack

D. ISATAP

E. 6to4

F. IPv6INIP

Answer: C,F

Question No : 17
You are a network designer and have been asked to consult with your server operations team to further enhance the security of the network. The operations team provides you with these details about the network:
. A pool of servers is accessed by numerous data centers and remote sites.
. The servers are accessed via a cluster of firewalls.
. The firewalls are configured properly and are not dropping traffic.
. The firewalls occasionally cause asymmetric routing of traffic within the server data center.
Which technology would you recommend to enhance security by limiting traffic that could originate from a hacker compromising a workstation and redirecting flows at the servers?

A. Access control lists to limit sources of traffic that exits the server-facing interface of the firewall cluster

B. Poison certain subnets by adding static routes to Null0 on the server farm core switches.

C. Unicast Reverse Path Forwarding in strict mode

D. Unicast Reverse Path Forwarding in loose mode

Answer: D

Question No : 18
Which two mechanisms ensure that a network design provides fast path failure detection? (Choose two.)

A. BFD

B. fast hello packets

C. UDLD

D. IP Cisco Express Forwarding

Answer: A,B

Question No : 19
You are designing an optical network. Your goal is to ensure that your design contains the highest degree of resiliency. In which two ways will you leverage a wavelength-switched optical network solution in your network design? (Choose two.)

A. a wavelength-switched optical network assigns routing and wavelength information

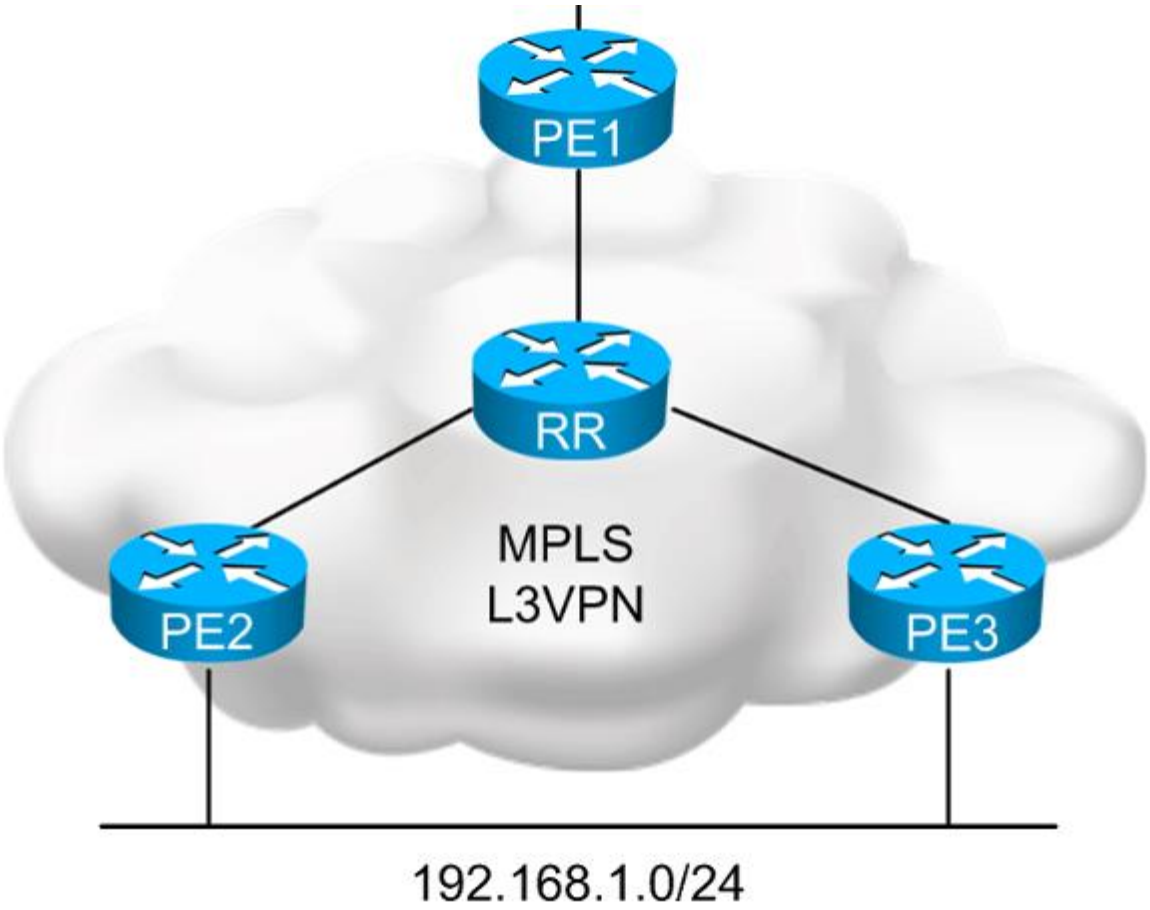
B. a wavelength-switched optical network takes linear and nonlinear optical impairment calculation into account

C. a wavelength-switched optical network guarantees restoration based strictly on the shortest path available

D. a wavelength-switched optical network eliminates the need for dispersion compensating units in a network

Answer: A,B

Question No : 20
Refer to the exhibit.



You are designing an IPv4 unicast Layer 3 VPN load-balancing solution. Which L3VPN feature needs to be configured on the PE routers to support the design requirement?

A. nonmatching route distinguishers

B. matching route target values

C. disable split horizon on PE2 and PE3

D. matching route distinguishers

Answer: A

Question No : 21
A service provider creates a network design that runs MPLS in its WAN backbone using OSPF as the IGP routing protocol. What would be two effects of additionally implementing MPLS-TE? (Choose two.)

A. MPLS-TE is required to reroute traffic within less than 1 second in case of a link failure inside the backbone.