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Cisco

300-320 Exam

Cisco Designing Cisco Network Service Architectures Exam

Version: 33.0

Question: 1

An engineer is designing a QoS architecture for a small organization and must meet these criteria:
* Guarantees resources for a new traffic flow prior to sending
* Polices traffic when the flow does not conform
Which QoS architecture model will accomplish this?

A. auto quality of service
B. integrated services
C. differentiated services
D. modular quality of service

Answer: B

Question: 2

What is one function of the key server in a Cisco GETVPN deployment?

A. maintaining security policies
B. sending the RSA certificate
C. providing the group ID
D. providing the preshared key

Answer: A

Question: 3

Multicast has been configured and enabled within an Enterprise network. PIM Sparse-mode has been enabled on all VLANs. What feature is required to stop multicast traffic from being broadcasted on the access layer switches?

A. Multicast boundary filter
B. PIM dense-mode
C. Dynamic ARP inspection
D. IGMP snooping

Answer: D

Question: 4

An engineer is designing a multicluster BGP network where each cluster has two route reflectors and four Route Reflector clients. Which two options must be considered in this design? (Choose two.)

A. Clients from all clusters should peer with all route reflectors.
B. All route reflectors must be nonclient peers in a fully meshed topology.
C. Clients must not peer with iBGP speakers outside the client cluster.
D. Clients should peer with at least one other client outside of its own cluster.
E. All route reflectors should be nonclient peers and the topology is partially meshed.

Answer: B, C

Question: 5

An engineer is designing an IP addressing scheme for a local company that requires multicast for its applications. For security reasons, only explicitly configured devices can be permitted to transmit across the network. Which multicast technology and address range must the engineer select?

A. SSM; 223.0.0.0/8
B. PIM-SM; 232.0.0.0/8
C. ASM; 232.0.0.0/8
D. SSM; 232.0.0.0/8

Answer: D

Question: 6

A network engineer wants to segregate three interconnected campus networks via ISIS routing. A two-layer hierarchy must be used to support large routing domains to avoid more specific routes from each campus network being advertised to other campus network routers automatically. What two actions should be taken to accomplish this segregation? (Choose two.)

A. Designate two ISIS routers as BDR routers at the edge of each campus.
B. Assign similar router IDs to all routers within each campus.
C. Designate two ISIS routers from each campus to act as a Layer 1/ Layer 2 backbone routers at the edge of each campus network.
D. Assign a unique ISIS NET value for each campus and configure internal campus routers with Level 1 routing.
E. Change the MTU sized of the interface of each campus network router with a different value.

Answer: C, D

Question: 7

Which two characteristics of the 802.1X standard are true? (Choose two.)

A. It was created by IETF.
B. Its EAP messages always require underlying PPP protocol.
C. It was created by IEEE.
D. This standard supports only wired LANs.
E. It can package EAP messages in Ethernet frames and not use PPP.

Answer: C, E

Question: 8

DRAG DROP
An engineer must provide segmentation for a shop floor environment that has only a single /24 network available. Each area of machinery needs to have its own subnet. Drag and drop the subnet from the left onto the corresponding IP addressing design on the right. Not all options are used.

10.3.3.0/26	12 hosts for Tube Bending
10.3.364/26	18 hosts for Arc Welder
10.3.3.16/27	32 hosts for boiler Assembly
10.3.3.64/27	5 hosts for Plasma Cutting
10.3.3.8/28	
10.3.3.96/28	
10.3.3.112/29	

Answer:

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10.3.3.96/28

10.3.3.64/27

10.3.3.0/26

10.3.3.112/29
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Question: 9

Which two options regarding the Cisco TrustSec Security Group Tag are true? (Choose two.)

A. It is removed by the Cisco ISE before reaching the endpoint.
B. It is assigned by the Cisco ISE to the user or endpoint session upon login.
C. Best Practice dictates that deployments should include a guest group allowing access to minimal services.
D. Best Practice dictates that deployments should include a security group for common services such as DNS and DHCP.
E. Best practice dictates it should be statically created on the switch.

Answer: B, D

Question: 10

Which two options are characteristics of bidirectional PIM? (Choose two.)

A. It is ideal for many-to-many host applications.
B. The creation of a source tree is required.
C. A registration process is required.
D. It enables scalability with a large number of sources.
E. A designated forwarder is not required.

Answer: A, D

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