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Vendor:Cisco

Exam Code:400-101

Exam Name:CCIE Routing and Switching Written
Exam

Version:Demo

QUESTION 1

Drag and drop the BGP feature on the left to the corresponding function it performs on the right.

Select and Place:

peer session templates	applies configuration commands to a group of neighbors in all address families
peer policy templates	separates updates from configurations, which allows groups to belong to different address families
peer groups	supports the configuraiton of a group of neighbors by defining a prefix range instead of a single neighbor address
BGP dynamic update peer-groups	applies configuration commands to a group of neighbors within specific address families
BGP dynamic neighbors	creates a group of neighbors in the same address family that share the same outbound routing policies

Correct Answer:

	peer session templates
	BGP dynamic update peer-groups
	BGP dynamic neighbors
	peer policy templates
	peer groups

QUESTION 2

How does MSTP maintain compatibility with RSTP?

- A. The system ID of an RSTP BPDU is padded with extra bytes to match the format of an MSTP BPDU.
- B. MSTP sends all spanning-tree information in one BPDU
- C. RSTP encodes region information from an MSTP BPDU into a single instance.
- D. MSTP supports five port states in the same way as RSTP.
- E. RSTP implements a TTL that is compatible with the MSTP max age timer.

Correct Answer: A

QUESTION 3

Which routing protocol is incompatible with VRF-lite?

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

Correct Answer: B

QUESTION 4

Which component of a GETVPN deployment is responsible for obtaining an IPsec SA to encrypt data within a group?

- A. Group member
- B. Key Server
- C. GDOI
- D. GRE

Correct Answer: C

QUESTION 5

DRAG DROP

Drag and drop each step in the performance-monitoring configuration process on the left into the correct order on the right.

Select and Place:

Configure a policy with at least one performance-monitor type flow monitor

step 1

Configure a flow record

step 2

Configure a class that describes the filtering criteria

step 3

Associate a performance-monitor type policy with this corresponding interface

step 4

Configure a flow monitor that includes the flow record and flow exporter

step 5

Correct Answer:

Configure a flow record

Configure a flow monitor that includes the flow record and flow exporter

Configure a class that describes the filtering criteria

Configure a policy with at least one performance-monitor type flow monitor

Associate a performance-monitor type policy with this corresponding interface

QUESTION 6

What are two features that distance-vector routing protocols can use to address the count-to-infinity problem? (Choose two.)

- A. triggered updates
- B. route poisoning
- C. split horizon
- D. route tagging

E. adjacency dead timers

Correct Answer: BC

QUESTION 7

In a GETVPN environment, which protocol is used by the key server and group members to manage group keys?

A. SNMP

B. SFTP

C. STP

D. GDOI

E. SSH

F. FTP

Correct Answer: D

QUESTION 8

Which two values must be defined before starting an EPC packet capture? (Choose two.)

A. export location

B. capture point

C. buffer name

D. buffer type

E. buffer size

Correct Answer: BC

QUESTION 9

DRAG DROP

Drag and drop each STP port role on the left to the matching statement on the right.

Select and Place:

alternate port	the port whose path cost deems it closest to the root bridge
backup port	the port that sends the best BPDUs on its segment
designated port	a blocked port that receives more useful BPDUs from a different bridge
root port	a blocked port that receives more useful BPDUs from its own bridge

Correct Answer:

	root port
	designated port
	alternate port
	backup port

QUESTION 10

Which three main security features are available in SNMPv3? (Choose three.)

- A. message integrity
- B. authorization
- C. encryption
- D. authentication
- E. accounting
- F. MIB persistence

Correct Answer: ACD

Reference: <https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/snmp/configuration/xr-3se/3850/snmp-xr-3se-3850-book/nm-snmp-snmpv3.pdf>

QUESTION 11

Which protocol uses a lightweight version of HTTP for constrained environments?

- A. CoAP
- B. MQTT
- C. AMQP
- D. MQTT-SN

Correct Answer: A

QUESTION 12

Which two statements about Cisco HDLC are true? (Choose two.)

- A. Cisco HDLC is the preferred protocol in multi-vendor environments.
- B. Cisco HDLC supports authentication of peering routers on the same HDLC link.
- C. Cisco HDLC is the default encapsulation on Serial and Dialer interfaces.
- D. Cisco HDLC allows routers to negotiate the supported network-layer protocols before sending their packets over an HDLC link.
- E. Cisco HDLC allows bundling of multiple links between the same pair of routes into a faster communication channel.
- F. Cisco routers can carry multiple network-layer protocols simultaneously over the same HDLC link.

Correct Answer: CD

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