Vendor: Cisco

Exam Code:400-201

Exam Name:CCIE Service Provider Written

Version: Demo

QUESTION 1

What ISIS TLVs are used to support MPLS traffic Engineering? (Choose three)

A. TLV 22 Extended IS neighbor

B. TLV 10 Authentication Information

C. TLV 134 Router ID

D. TLV 132 IP interface Address

E. TLV 128 IP Internal Reachability

F. TLV 135 IS Reachability

Correct Answer: ACF

QUESTION 2

Drag and drop the 802.1ad characteristics on the left onto the port type on the right. Not all options are used

Select and Place:

Correct Answer:

C-UNI

Access or trunk port Support customer-tag vlan BPDU

S-UNI

Access port only Filtering of BPDUs

S-NNI

Trunk port only Support S-Vlan BPDU, however only encapsulation default is supported

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QUESTION 3

Which Inter-AS option allows a service provider to provision AToM along with L3VPN provisioning?

A. MPLS VPN Inter-AS with ASBRs exchanging VPN-IPv4 addresses

B. MPLS VPN Inter-AS with ASBRs exchanging IPv4 routes and MPLS labels

C. MPLS VPN Inter-AS Option AB

D. back-to-back VRFs

Correct Answer: B

QUESTION 4

An ISP requires an infrastructure ACL protection on an router. Drag and drop each IACL entry on the left onto its logical

order on the right?

Select and Place:

Correct Answer:

QUESTION 5

A router is unable to route packets over a PPPoE link. What could be the cause of this issue?

A. incorrect IPCP connection for the agreed-upon IP address

B. incorrect dialer map profile

C. incorrect username of the PPP connection

D. incorrect access list

Correct Answer: B

QUESTION 6

Which three statements about L2TPv3 are true? (Choose three)

A. L2TPv3 Frame Relay support includes only 32-bit DLCI addressing.

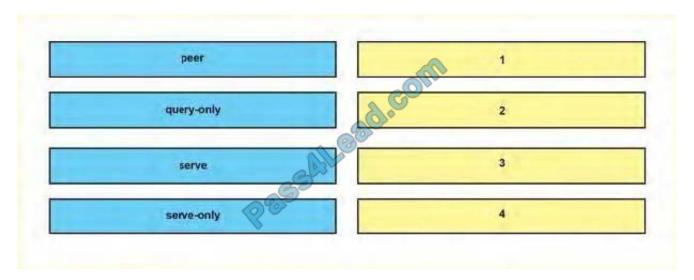B. L2TPv3 sessions do not support Frame Relay LMI interworking.

C. Multipoint DLCI is not supported.

D. To use DCE or a Network-to-Network Interface on a Frame Relay port, you must configure the frame-relayswitching command.

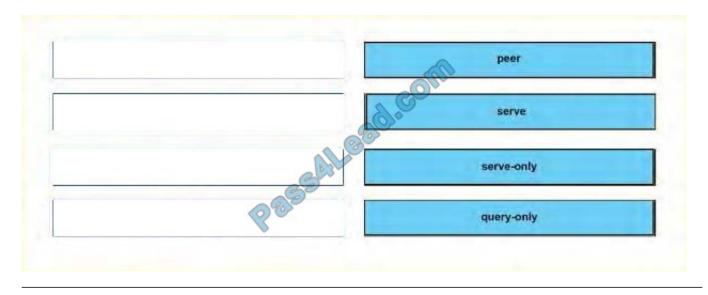E. L2TPv3 feature does not support Frame Relay extended addressing.

Correct Answer: CDE

QUESTION 7

Drag and drop the IOS XR NTP access group options on the left to the right from the least restrictive (top) to the most restrictive order (bottom).

Select and Place:

peer	1
query-only	2
serve	3
serve-only	4

Correct Answer:

	peer
	serve
	serve-only
	query-only

QUESTION 8

Which two steps must a service provider consider when adding multicast support to the existing MPLS L3VPN? (Choose two.)

A. Using SSM for data MDT helps to minimize the number of group addresses needed in the core

B. Using default MDT results in a reduction of multicast routing states in the core

C. All PEs must be configured as RPs inside of each customer VRF to minimize impact of the RPF lookups

D. Bandwidth may be wasted on PEs as a result of only using the default MDT

E. Forwarding customer multicast traffic only via the default MDT optimizes PE utilization

Correct Answer: BD

Reference: https://www.nanog.org/meeting-archives/nanog44/presentations/Sunday/McBride_iptv_N44.pdf

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QUESTION 9

Your IT company has been tasked to automate their view of the environment. The CTO has instructed you to use Ansible to focus on value-added tasks. Which four integrations do you use to achieve this outcome? (Choose four.)

A. networks

B. infrastructure

C. Kubernetes

D. management applications

E. virtualization

F. containers

G. DevOps tools

Correct Answer: ABFG

Reference: https://www.ansible.com/integrations

QUESTION 10

```
08-pe3# show ip bgp vpnv4 vrf TEST 172.16.1.1
BGP routing table entry for 65000:100:172:16.1.1/32, version 12
<...>
    192.168.0.7 (metric 5) (via default) from 192.168.0.5 (192.169.0.5)
        Origin  incomplete,  metric  0,  localpref  100,  valid,  internal,
backup/repair
        Extended Community: RT:65000:100
        Originator: 192.168.0.7, Clust list: 192.168.0.5, recursive-via-host
        mpls labels in/out nolabel/24000
        rx pathid: 0, tx pathid: 0
```

Refer to the exhibit. Which statement is true?

A. BGP multipath is enabled.

B. BGP has failed to load the entry into the RIB.

C. BGP add-path is enabled.

D. BGP next-hop tracking is enabled.

Correct Answer: C

QUESTION 11

Which option describes a benefit of IPv6 VPN Provider Edge?

A. Uses separate signaling plane, which provides more security than IPv4

B. No requirement for a separate signaling plane

C. Provides support for intra-AS and CSC scenarios

D. BGP is the preferred routing protocol for connecting two SPs.

Correct Answer: B

QUESTION 12

A service provider is using QoS to manage customer traffic over the MPLS backbone. Which three statements about the behavior of each MPLS QoS mode based on QoS policy in the service provider core are true? (Choose three.)

A. Uniform mode does not change the original CE IP packet markings.

B. Uniform mode changes the original CE IP packet markings.

C. Pipe mode does not change the original CE IP packet markings.

D. Pipe mode changes the original CE IP packet markings.

E. Short-pipe mode does not change the original CE IP packet markings.

F. Short-pipe mode changes the original CE IP packet markings.

Correct Answer: BCE

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