300-515 ^{Q&As}

Implementing Cisco Service Provider VPN Services (SVPI)

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QUESTION 1

```
PE1                                    PE2
ip vrf CE1                             ip vrf CE2
   rd 101:1                               rd 202:2
   route-target export 100:1             route-target export 200:2
   route-target import 200:2             route-target import 100:1

PE3                                    PE4
ip vrf CE3                             ip vrf CE4
   rd 303:3                               rd 404:4
   route-target export 300:3             route-target export 400:4
   route-target import 400:4             route-target import 300:3
```

Refer to the exhibit. A network engineer has been called to configure the four PE devices in order to enable full communication among the four CE devices connected to them. While starting to configure, he experienced a connectivity issue. Which two tasks should the engineer perform in order to begin the process correctly? (Choose two.)

A. Configure PE3 to export route-targets 100:1 and 200:2.

B. Configure PE3 to import route-targets 100:1 and 200:2.

C. Configure PE4 to import route-targets 101:1 and 202:2.

D. Configure PE2 to export route-targets 300:3 and 400:4.

E. Configure PE1 to import route-targets 300:3 and 400:4.

Correct Answer: AB

QUESTION 2

Which condition must be met before an environment can support CSC?

A. The CSC-PE and CSC-CE must each be able to ping an interface in its respective global routing table.

B. The CSC-PE and the CSC-CE must support IPv6.

C. The CSC-PE and CSC-CE devices must be able to send labels to one another using BGP.

D. The CSC-CE must support OSPFv3.

Correct Answer: C

QUESTION 3

Refer to the exhibit.

```
PE1#show mpls forwarding
Local   Outgoing     Prefix                Outgoing       Next Hop          Bytes
Label   Label        or ID                 Interface                        Switched
------  -----------  --------------------  -------------  ----------------  ------------
22095   Pop          192.168.10.1/32       Hu0/0/0/2      192.168.1.2       100000
22096   22286        192.168.20.1/32       Hu0/0/0/2      192.168.1.2       1000
22098   22288        192.168.30.1/32       Hu0/0/0/2      192.168.1.2       250000
<output omitted>
```

What is shown in this output?

A. local and outgoing abels are updated in hardware

B. BGP is used between neighbors that are exchanging MPLS labels

C. LDP neighbor statuses

D. the labels received and advertised on PE1

Correct Answer: D

QUESTION 4

Refer to the exhibit.

```
Router 1:

interface loopback0
192.168.10.1 255.255.255.0

router ospf 1
network 192.168.10.1 0.0.0.0 area 5
```

Refer to the exhibit Router 1 is a P router in the ISP MPLS core A connected P router cannot generate an MPLS label for the router 1 loopback0 interface Which action resolves this issue?

A. The loopback0 interface must be in OSPF area 0.

B. The network statement under the routing process must have a wildcard mask of 0 0.0 255.

C. The OSPF network type must be changed on loopback0 to point-to-point

D. A static route to null 0 must be added for the loopback interface and then static routes must be redistributed into OSPF

Correct Answer: B

QUESTION 5

With Layer 3 MPLS VPN implementations on Cisco IOS XR PE routers, an interface is assigned to a VRF using the vrf command in which configuration mode?

A. RP/0/RP0/CPU0:PE(config-bgp)#

B. RP/0/RP0/CPU0:PE(config-if)#

C. RP/0/RP0/CPU0:PE(config-bgp-af)#

D. RP/0/RP0/CPU0:PE(config-vrf)#

Correct Answer: B

Reference: https://www.cisco.com/c/en/us/td/docs/ios_xr_sw/iosxr_r3-7/mpls/configuration/guide/gc37v3.html

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