350-501^{Q&As}

Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR)

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QUESTION 1


```
Service Provider
DC                          10.10.10.2        10.10.10.3
                      10.0.0.0/30
                             RM                RX              10.10.10.4
                                        OSPF                        RZ
                                        Backbone
            RL
192.168.1.1  10.10.10.1  10.0.0.12/30
                             RN                RY
                         10.10.10.5        10.10.10.6
            Area 0                                      Area 200

RL#                                   RM#
router ospf 10                        router ospf 10
 log-adjacency-changes                 log-adjacency-changes
 network 10.0.0.0 0.0.0.3 area 0       network 10.0.0.0 0.0.0.3 area 0
 network 10.0.0.12 0.0.0.3 area 0      network 10.0.0.24 0.0.0.3 area 0
 network 10.10.10.1 0.0.0.0 area 0     network 10.10.10.2 0.0.0.0 area 0
!                                      network 10.0.0.4 0.0.0.3 area 0
route-nap ospf-default-route permit 10
 match ip address 10
 set metric 2
 set metric-type type-2
 access-list 10 permit 192.168.1.1 0.0.0.0
```
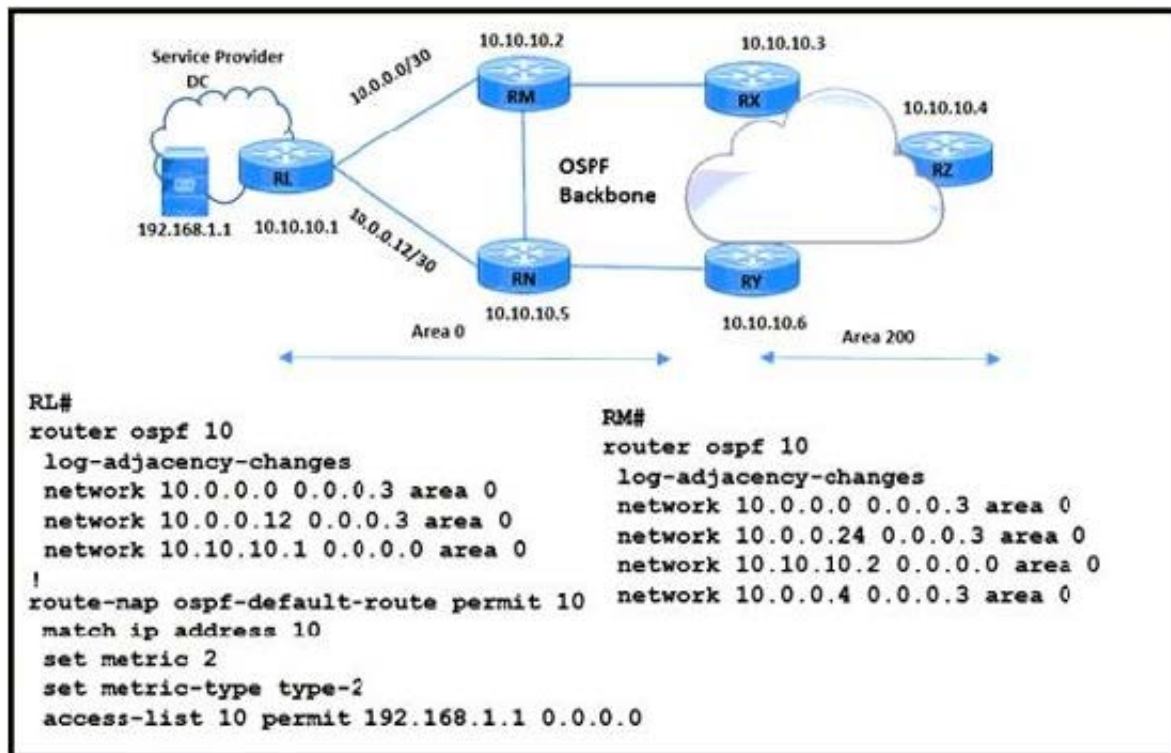
Refer to the exhibit. The operations team for a service provider network is implementing a route map policy. OSPF area 0 should originate the default route with a type 2 metric of 2 when the application server on the connected interface

(192.168.1.1)

is up. Routers RL and RM have set up OSPF peering with other adjacent routers. Which action meets this requirement?

A.

Apply default-information originate route-map ospf-default-route on router RL.

B.

Apply default-information originate route-map ospf-default-route on router RM.

C.

Configure distribute-list route-map ospf-default-route out on router RM.

D.

Configure distribute-list route-map ospf-default-route out on router RL.

Correct Answer: A

QUESTION 2

Refer to the exhibit.

```
PE1

vrf ciscotest
    rd 202:101
        address-family ipv4 unicast
        label mode per-vrf
        redistribute connected
```

An ISP engineer configured a VRF to isolate traffic for the customer ciscotest as shown. Now, the engineer must implement the Intra-AS VPN feature on PE1 to pass traffic between customer sites. Which additional configuration must the engineer apply to PE1 to meet this requirement?

A. router bgp 64525address-family ipv4 unicastneighbor 192.168.1.1

remote-as 64520

 update-source Loopback0

address-family ipv4 unicast

B. router bgp 64525address-family vpnv4 unicastneighbor 192.168.1.1

remote-as 64525

 update-source Loopback0

address-family vpnv4 unicast

C. router bgp 64525address-family ipv4 unicastneighbor 192.168.1.1

remote-as 64526

 address-family ipv4 unicast

D. router bgp 64525address-family vpnv4 unicastneighbor 192.168.1.1

remote-as 64516

 update-source Loopback0

address-family vpnv4 unicast

Correct Answer: B

QUESTION 3

Which are two benefits of using segment routing over RSVP-TE for traffic engineering? (Choose two)

A. Segment routing traffic engineering tunnels always follow the low-latency path

B. ECMP-aware traffic engineering is natively supported by segment routing

C. Per-flow state is present only at the ingress node to the Segment routing-enabled network

D. Per-flow state is present at the ingress and egress node to the segment routing-enabled network

E. Per-flow state is maintained on all nodes of the segment routing-enabled network

Correct Answer: BC

QUESTION 4

Refer to the exhibit.
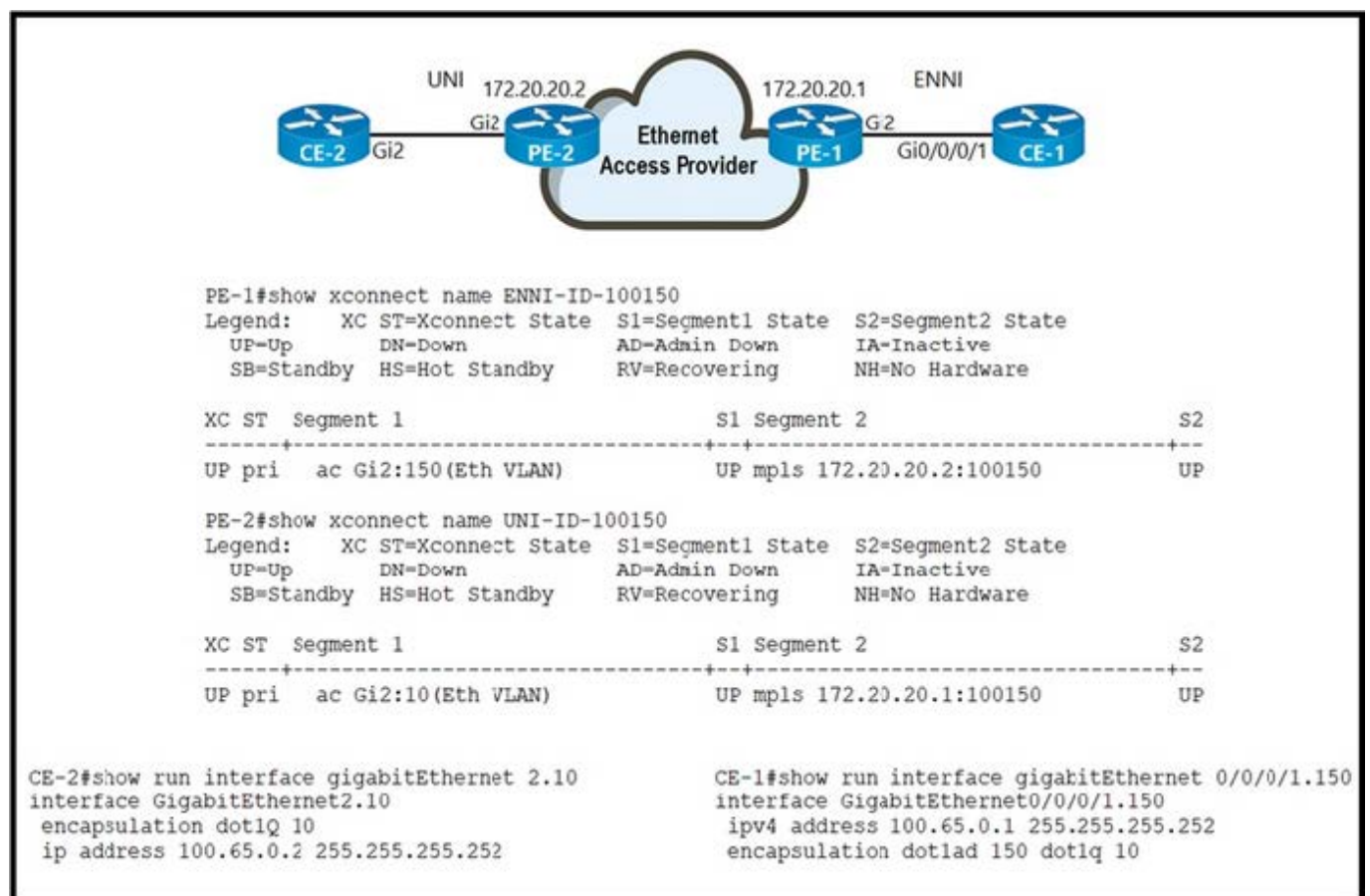
An Ethernet access provider is configuring routers PE-1 and PE-2 to provide E-Access EVPL service between UNI and ENNI. ENNI service multiplexing is based on 802.1ad tag 150, and service-multiplexed UNI is based on 802.1q tag 10. Which EFP configurations must the provider implement on PE-1 and PE-2 to establish end-to-end connectivity between CE-1 and CE-2?

A. On PE-1:

interface GigabitEthernet2

service instance 100 ethernet

encapsulation dot1ad 150

rewrite ingress tag pop 1 symmetric

On PE-2:

interface GigabitEthernet2

service instance 2 ethernet

encapsulation dot1q 10

B. On PE-1:

interface GigabitEthernet2

service instance 100 ethernet

encapsulation dot1q 150

rewrite ingress tag pop 1 symmetric

On PE-2:

interface GigabitEthernet2

service instance 2 ethernet

encapsulation dot1q 10

C. On PE-1:

interface GigabitEthernet2

service instance 100 ethernet

encapsulation dot1ad 150 dot1q 10

rewrite ingress tag pop 2 symmetric

On PE-2:

interface GigabitEthernet2

service instance 2 ethernet

encapsulation dot1q 10

D. On PE-1:

interface GigabitEthernet2

service instance 100 ethernet

encapsulation dot1ad 150

rewrite ingress tag pop 1 symmetric

On PE-2:

interface GigabitEthernet2

service instance 2 ethernet

encapsulation dot1q 10

rewrite ingress tag pop 1 symmetric

Correct Answer: C

QUESTION 5

The administrator of a small company network notices that intermittent network issues occasionally cause inbound notifications to its SNMP servers to be lost.

Which configuration must the administrator apply so that the SNMP servers acknowledge the notifications that they receive?

A. snmp-server community ciscotest rw 10

B. snmp-server host tests.cisco.com public snmp-server community ciscotest rw 10

C. snmp-server enable traps bgp snmp-server host 192.169.2.1 Informs

D. snmp-server enable traps snmp

Correct Answer: C