642-889^{Q&As}

Implementing Cisco Service Provider Next-Generation Edge Network Services

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QUESTION 1

An engineer working for a Service Provider with employee id: xxxx:xx:xxx is configuring Internet access for a customer using the MPLS L3VPN Shared Service method. Which step will be required to configure this service?

A. global NAT

B. route leaking between customer routing tables

C. dedicated VRF that will import and export routes by using route-target values

D. VRF-aware NAT on a P router

Correct Answer: C

QUESTION 2

For which reason does Cisco 6PE use two MPLS labels in the data plane?

A. PHP can be used, and the penultimate hop router does not have to be IPv6-aware

B. Traffic engineering is possible, and the P routers do not have to be IPv6-aware

C. With two labels the Flow Label field in the IPv6 header can be emulated if the routers are not IPv6-aware

D. Load balancing is not possible if the P routers are not IPv6-aware

Correct Answer: C

QUESTION 3

Refer to the partial Cisco IOS XR PE router configuration exhibit for supporting a Layer 3 MPLS VPN customer using EIGRP AS 20 as the CE-to-PE routing protocol.

```
router eigrp 10
vrf Customer_A
address-family ipv4
default-metric 10000 100 255 1 1500
autonomous-system 20
redistribute bgp 64500
interface GigabitEthernet0/0/0/0
!
router bgp 64500
vrf Customer_A
rd 64500:1
address-family ipv4 unicast
redistribute eigrp 10
!
```

The MPLS VPN customer is having problems receiving the EIGRP routes on the different customer site CE routers. What is wrong with this configuration that is causing the problem?

A. The router eigrp command is referencing the wrong AS number.

B. The redistribute eigrp command is missing the metric transparent option.

C. The redistribute eigrp command is referencing the wrong AS number.

D. The redistribute bgp command is missing the subnets option.

E. The redistribute eigrp command is missing the subnets option.

Correct Answer: C

QUESTION 4

Which Layer 2 encapsulations can AToM solution support with interworking IP feature enable?

A. Ethernet to ATM AAL5

B. ATM AAL5 to Frame Relay

C. PPP to Frame Relay

D. multipoint PPP to Frame Relay

Correct Answer: A

QUESTION 5

An engineer is asked to explain the differences, from a customer perspective, between the currently deployed L3VPN and an upgrade to an AToM VPN solution. Which two statements describe their differences? (Choose two.)

A. The customer edge router network would appear as directly connected

B. The provider edge router would require less maintenance and less configuration

C. The customer edge router forwarding rate would significantly improve

D. No routing interaction with the provider edge router would be necessary

E. The customer edge router should run a dynamic Interior Gateway Protocol to interact with the provider edge router

Correct Answer: AD

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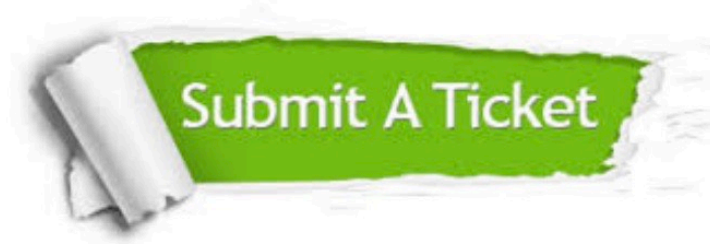Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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