642-889^{Q&As}

Implementing Cisco Service Provider Next-Generation Edge Network Services

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QUESTION 1

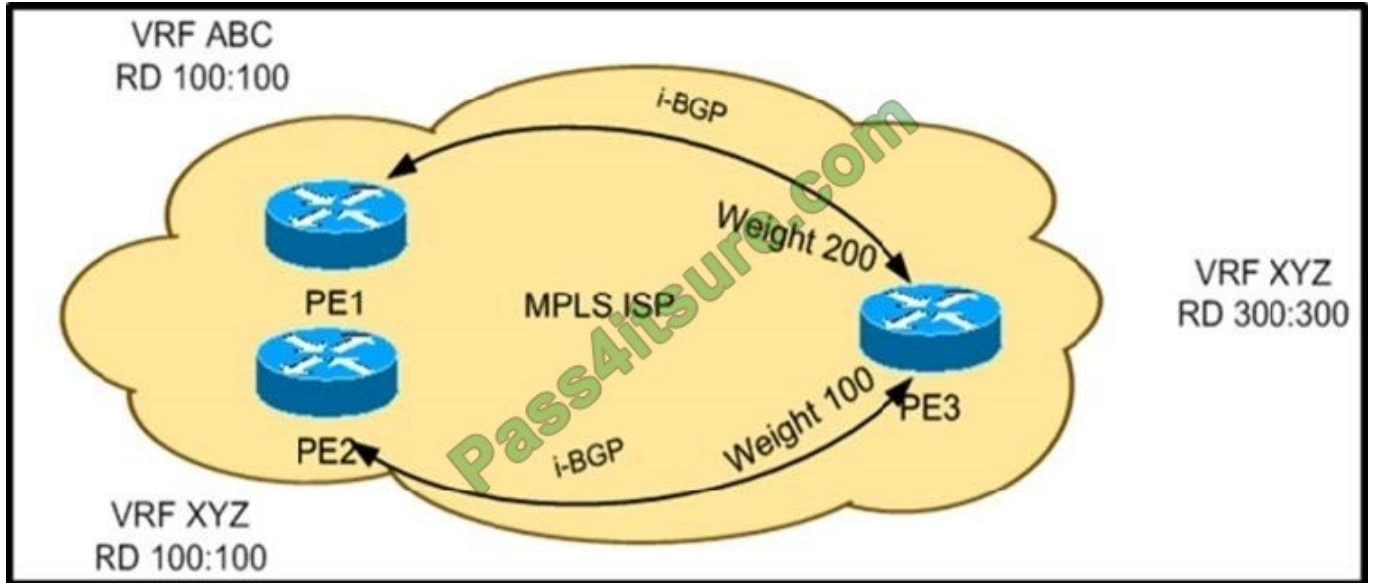| Router(config-if-srv)# xconnect 11.205.1.1 141 encapsulation mpls	Binds the VLAN attachment circuit to an Any Transport over MPLS (AToM) pseudowire for EoMPLS
xconnect peer-router-id vcid encapsulation mpls Example: Router(config)# xconnect 10.0.0.1 123 encapsulation mpls	Binds the attachment circuit to a pseudowire VC. The syntax for this command is the same as for all other Layer 2 transports.

When configuring an EoMPLS PW on a Cisco IOS XR router, what are the two supported transport modes? (Choose two.)

A. ethernet (Ethernet port mode)

B. ip (routed mode)

C. vlan (VLAN-tagged mode)

D. transparent (bridged mode)

Correct Answer: AC

QUESTION 2

Refer to the exhibit.

PE1 and PE2 are advertising the same subnet 10.10.10.0/24 and export route-target to PE3. Which PE advertised subnet is installed at the PE3 BGP table?

A. PE1 subnet only, due to higher BGP assigned weight.

B. PE2 subnet only because it is a member in the same VRF.

C. PE1 and PE2 subnets

D. PE1 and PE2 subnets as 300:300:10.10.10.0/24

Correct Answer: C

QUESTION 3

Refer to the exhibit. An engineer is configuring VPLS and notices that the pseudowire is not established after reviewing the configuration. Which configuration does the engineer change to establish the pseudowire?

A. The bridge groups must match

B. The bridge domain IDs must match

C. The PW IDs must match

D. The subinterface IDs must match

Correct Answer: C

QUESTION 4

A network engineer working for a very large financial institution must migrate the legacy Frame Relay and ATM virtual circuits over a MPLS VPN solution. Which option is a benefit in choosing a MPLS Layer 3 VPN versus any other Layer 2 VPN design?

A. An MPLS Layer 3 VPN design offers better scalability for large organizations.

B. An MPLS Layer 3 VPN design requires less customer edge router configuration than any other Layer 2 VPN implementation.

C. An MPLS Layer 3 VPN solution provides the possibility to implement overlapping IP addressing.

D. An MPLS Layer 3 VPN design requires less provider edge router configuration than any other Layer 2 VPN implementation.

Correct Answer: A

QUESTION 5

Which Layer 2 protocol parameters can be carried inside the control word when implementing AToM service?

A. PW ID

B. Frame Relay FECN, BECN, and DE bits

C. encapsulation type

D. VC type

Correct Answer: B

Q. How does Frame Relay over MPLS work?

A. Traffic is encapsulated in MPLS packets and forwarded across the MPLS network. When encapsulating Frame Relay over MPLS, the Frame Relay header and the frame check sequence (FCS) are stripped from the packet. The bits for Backward Explicit Congestion Notification (BECN), Forward Explicit Congestion Notification (FECN), Discard Eligibility (DE) and Command/Response (C/R) are carried across the MPLS network in the "Control Word" header.

Reference: http://www.cisco.com/en/US/products/ps6603/products_qanda_item09186a008009d4e3.shtml#wp39173

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