642-887^{Q&As}

Implementing Cisco Service Provider Next-Generation Core Network Services

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QUESTION 1

Which configuration set enables outbound label filtering so that only peer 192.168.10.1 receives label advertisements in an MPLS environment?

```
A.  mpls ldp
        label
            accept
            for pfx_acl from 192.168.10.1

    ipv4 access-list pfx_acl
      10 permit ip host 10.0.0.0 any
    ipv4 access-list peer_acl
      10 permit ip host 192.168.10.1 any

B.  mpls ldp
        label
            accept
            for peer_acl from 192.168.10.1

    ipv4 access-list pfx_acl
      10 permit ip any host 10.0.0.0
    ipv4 access-list peer_acl
      10 permit ip host 192.168.10.1 any

C.  mpls ldp
        label
            advertise
            for pfx_acl to peer_acl
            interface TenGigabitEthernet3/1

    ipv4 access-list pfx_acl
      10 permit ip host 10.0.0.0 any
    ipv4 access-list peer_acl
      10 permit ip host 192.168.10.1 any

D.  mpls ldp
        label
            advertise
            disable
            for pfx_acl to peer_acl
            interface TenGigabitEthernet3/1

    ipv4 access-list pfx_acl
      10 permit ip host 10.0.0.0 any
    ipv4 access-list peer_acl
      10 permit ip host 192.168.10.1 any
```
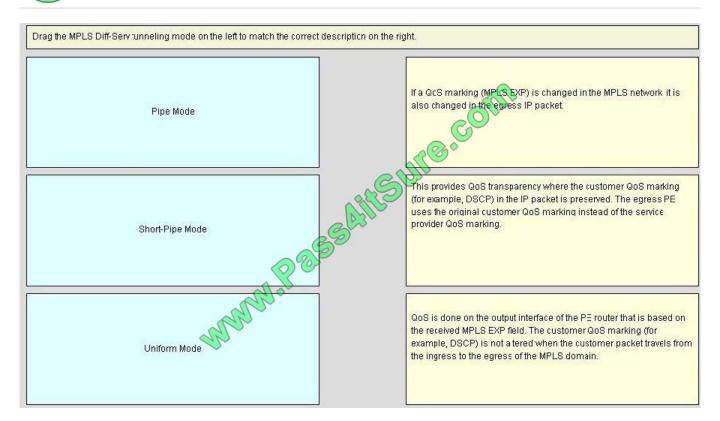
A. B. C. D.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 2

On Cisco routers, which QoS marker is only locally significant?

A. DSCP

B. MPLS EXP

C. IP precedence

D. QoS group

E. discard eligible (DE)

Correct Answer: D

QUESTION 3

Which two features are used to provide Cisco MPLS TE node and link protection? (Choose two.)

A. autoroute

B. fast reroute

C. backup tunnels

D. BFD

Correct Answer: BC

QUESTION 4

Drag the MPLS Diff-Serv tunneling mode on the left to match the correct description on the right.
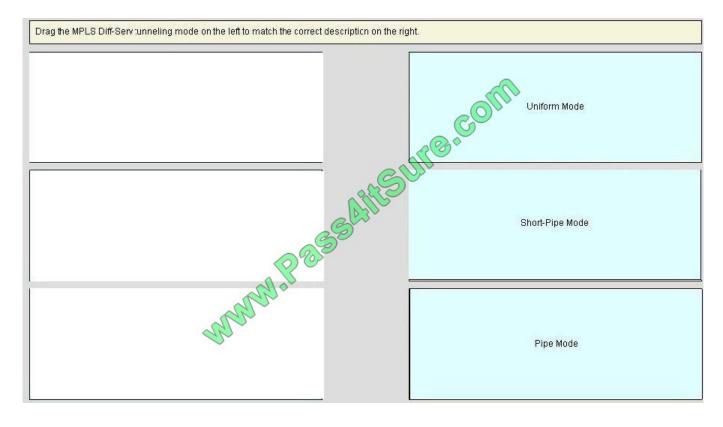
Select and Place:

Drag the MPLS Diff-Serv tunneling mode on the left to match the correct description on the right.

Pipe Mode	If a QoS marking (MPLS EXP) is changed in the MPLS network it is also changed in the egress IP packet.
Short-Pipe Mode	This provides QoS transparency where the customer QoS marking (for example, DSCP) in the IP packet is preserved. The egress PE uses the original customer QoS marking instead of the service provider QoS marking.
Uniform Mode	QoS is done on the output interface of the PE router that is based on the received MPLS EXP field. The customer QoS marking (for example, DSCP) is not altered when the customer packet travels from the ingress to the egress of the MPLS domain.

Correct Answer:

Drag the MPLS Diff-Serv tunneling mode on the left to match the correct description on the right.

	Uniform Mode
	Short-Pipe Mode
	Pipe Mode

QUESTION 5

In Cisco IOS, what must be configured to ensure that an MPLS TE tunnel becomes active?

A. layer 3 addressing on the tunnel, to establish bidirectional communication over the tunnel

B. the tunnel for autoroute, to ensure proper installation into the forwarding plane

C. a path-option configuration, for either dynamic or explicit paths

D. the tunnel with a minimum bandwidth value, to properly calculate CSPF

Correct Answer: A

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