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Section	Weight	Objectives
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350-501 - Useful Implementing and Operating Cisco Service Provider Network Core Technologies Updated Dumps

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Cisco Implementing and Operating Cisco Service Provider Network Core Technologies Sample Questions (Q171-Q176):

NEW QUESTION # 171

What is the characteristic of the TI-LFA?

- A. It guarantees a loop-free path for all areas configured in OSPF
- B. It applies on each area and instance and makes all the interfaces inherit the configuration
- C. It applies only on the instance and makes at the interfaces inherit the configuration
- D. It guarantees a loop-free path for all interfaces in the OSPF super backbone .

Answer: A

Explanation:

TI-LFA, or Topology Independent Loop-Free Alternate, is a fast-reroute mechanism that provides protection against link or node failures in a network. It guarantees a loop-free alternate path for all areas configured in OSPF, ensuring traffic can be quickly rerouted in case of a failure. This characteristic is crucial for maintaining network stability and avoiding traffic loops, which can lead to packet loss and network congestion.

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

NEW QUESTION # 172

An engineer working for a private service provider with employee id: 3994 37 650 is configuring a Cisco device to redistribute OSPF into BGP. Which task enables the device to filter routes?

- A. Configure a prefix list and associate it to the BGP peer interface
- B. Configure an access list and reference it with the redistribute command
- C. Configure a route map and reference it with the redistribute command
- D. Configure a distribute list and associate it to the BGP peer interface

Answer: C

Explanation:

To filter routes when redistributing OSPF into BGP, you should configure a route map and reference it with the redistribute command.

The route map allows you to apply filtering criteria to the routes being redistributed.

Example configuration:

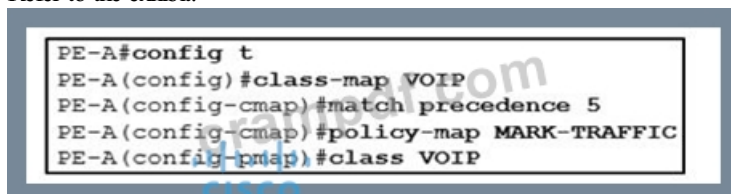
```
router bgp 65000
redistribute ospf 1 route-map OSPF-TO-BGP
!
route-map OSPF-TO-BGP permit 10
match ip address prefix-list OSPF-TO-BGP-FILTER
!
ip prefix-list OSPF-TO-BGP-FILTER seq 10 deny 192.168.0.0/24
ip prefix-list OSPF-TO-BGP-FILTER seq 20 permit any
```

Reference:

Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR) v1.0 course material.

NEW QUESTION # 173

Refer to the exhibit:



Which command is used to complete this configuration for QoS class-based marking?

- A. PE-A(config-pmap-c)#random-detect
- B. PE-A(config-pmap-c)#fair-queue
- C. PE-A(config -pmap-c)#priority
- D. PE-A(config-pmap-c)#set dscp ef

Answer: D

NEW QUESTION # 174

Refer to the exhibit:

```
R1
interface fastethernet1/0
 ip address 192.168.1.3 255.255.255.0
router bgp 65000
 router-id 192.168.1.1
 neighbor 192.168.1.2 remote-as 65012

R2
interface fastethernet1/0
 ip address 192.168.1.2 255.255.255.0
router bgp 65012
 router-id 192.168.1.1
 neighbor 192.168.1.3 remote-as 65000
 neighbor 192.168.1.3 local-as 65112
```

Assume all other configurations are correct and the network is otherwise operating normally. Which conclusion can you draw about the neighbor relationship between routers R1 and R2?

- A. The neighbor relationship is down because R1 believes R2 is in AS 65012.
- B. The neighbor relationship is up
- C. The neighbor relationship will be up only if the two devices have activated the correct neighbor relationships under the IPv4 address family
- D. The neighbor relationship is down because the local-as value for R2 is missing in the R1 neighbor statement

Answer: A

Explanation:

The configuration for R1 indicates a BGP neighbor relationship with a device in AS 65012. However, R2 is actually in AS 65000, leading to a mismatch in AS numbers. This discrepancy will prevent the establishment of a BGP neighbor relationship between R1 and R2.

NEW QUESTION # 175

Refer to the exhibit:

PE-A	PE-B
<pre>! interface FastEthernet0/0 ip address 10.10.10.1 255.255.255.252 ip ospf authentication null ip ospf 1 area 0 duplex full end ! router ospf 1 log-adjacency-changes passive-interface Loopback0 network 10.10.10.0 0.0.0.3 area 0 default-metric 200 !</pre>	<pre>! interface FastEthernet0/0 ip address 10.10.10.2 255.255.255.252 ip ospf authentication null ip mtu 1400 ip ospf 1 area 0 duplex half end ! R1#sho run b router ospf router ospf 1 log-adjacency-changes passive-interface Loopback10 network 10.10.10.0 0.0.0.255 area 0 default-metric 100</pre>

Which configuration prevents the OSPF neighbor from establishing?

- A. duplex
- B. mtu
- C. default-metric

- D. network statement

Answer: B

NEW QUESTION # 176

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