642-883^{Q&As}

Deploying Cisco Service Provider Network Routing

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QUESTION 1

Which two unique attributes are used for the loop prevention mechanism when route reflectors are deployed in a network? (Choose two.)

A. local preference

B. originator-ID

C. AS-path

D. next-hop

E. origin

F. cluster-list

Correct Answer: BE

QUESTION 2

Instructions ☒

- Enter the proper CLI commands and analysis the outputs on the Cisco routers to answer the multiple-choice questions.
- From the network topology diagram, click on each of the router icon to gain access to the console of each router.
- No console or enable passwords are required.
- There are four multiple-choice questions with this task. Be sure to answer all four questions before selecting the Next button.
- Not all the CLI commands or commands options are supported or required for this simulation.
- For example, the show running-config and the ping commands are NOT supported in this simulation.
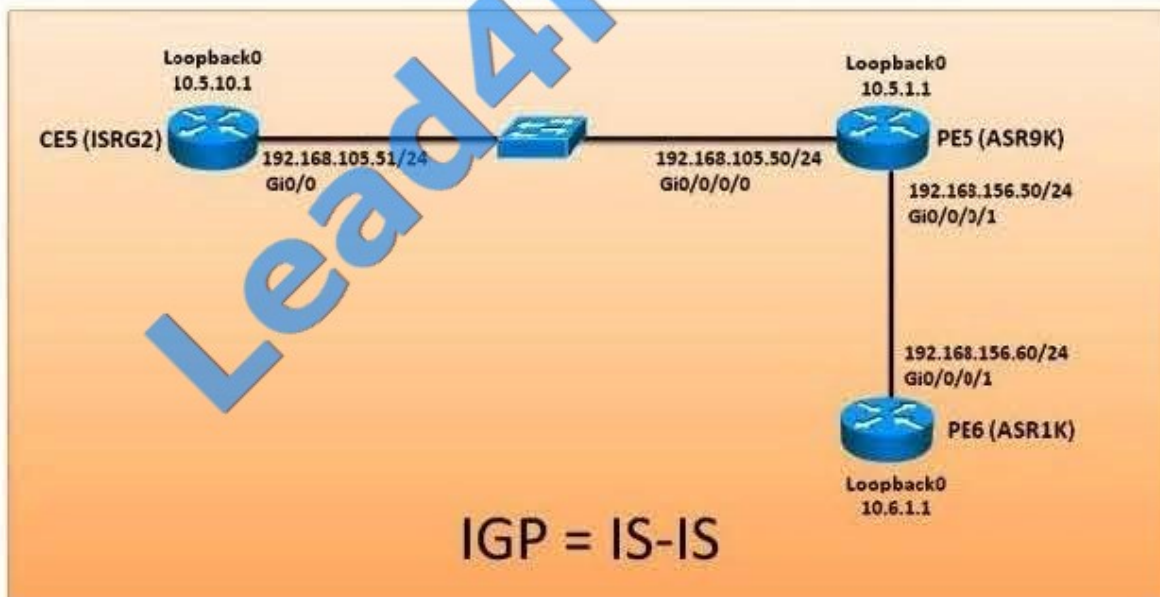- All the devices in this simulation have been pre-configured and you are not required to enter in any configurations.

Scenario ☒

Referring to the network topology diagram shown in the exhibit, use the proper CLI commands on the CE5, PE5 and PE6 routers
and interpret the supported CLI commands outputs to answer the four multiple choice questions.

Note: The CE5 router is an IOS router, the PE5 router is an IOS-XR router, and the PE6 router is an IOS-XE router.

Topology ☒

Click on the CE5/PE5/PE6 icons to access the respective router console

Loopback0
10.5.10.1

CE5 (ISRG2)   192.168.105.51/24   192.168.105.50/24   PE5 (ASR9K)
                 Gi0/0   Gi0/0/0/0

Loopback0
10.5.1.1

192.168.156.50/24
Gi0/0/0/1

192.168.156.60/24
Gi0/0/0/1

PE6 (ASR1K)

Loopback0
10.6.1.1

IGP = IS-IS

There are how many IS-IS area(s) defined in this network Scenario?

A. 1

B. 2

C. 3

D. 4

Correct Answer: C

QUESTION 3

A network engineer wants to set the local preference to 100 for the specific BGP community sets of 100:1, 101:1, and 102:1. Which option can the engineer use to implement this through RPL, where the BGP community set list is made by the name of lowpri-communities?

A. route-policy ch-pref if community matches lowpri-communities then set local-preference 100 endif end-policy

B. route-policy ch-pref if community eq lowpri-communities then set local-preference 100 endif end-policy

C. route-policy ch-pref if community matches-any lowpri-communities then set local-preference 100 endif end-policy

D. route-policy ch-pref if community neq lowpri-communities then set local-preference 100 endif end-policy

Correct Answer: C

QUESTION 4

Drag the BGP attributes on the left to match the correct description on the right.

Select and Place:

Correct Answer:

Drag the BGP attributes on the left to match the correct description on the right.

	Local Preference
	AS-Path
	MED
	Weight

QUESTION 5

Refer to the exhibit.
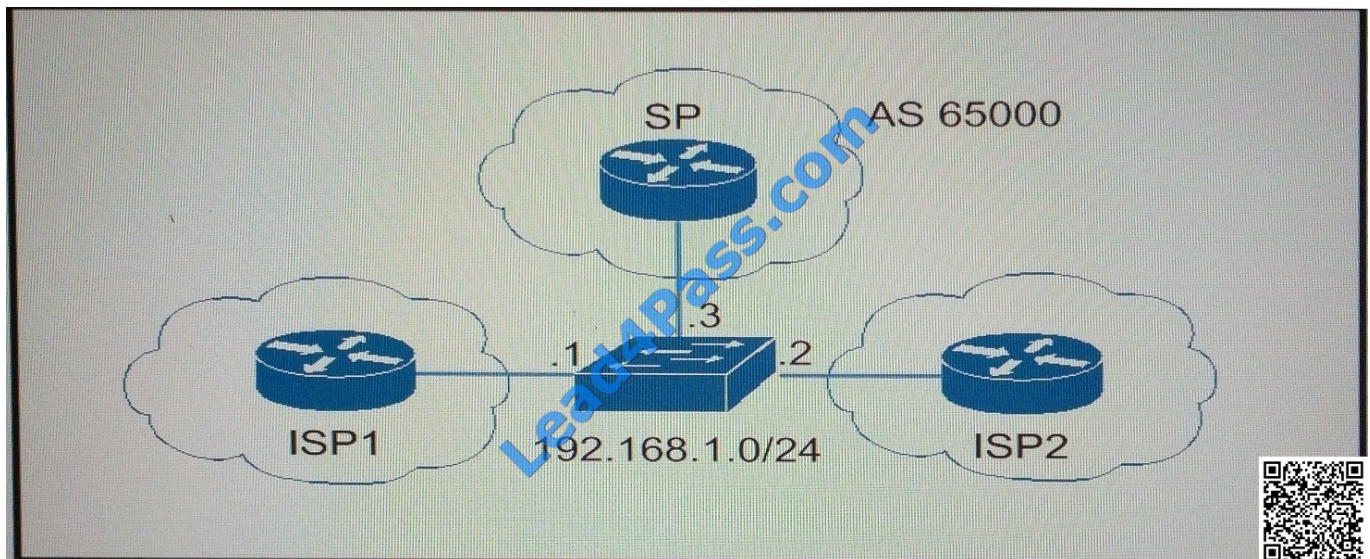
A service provider (AS65000) is interconnected to two upstream providers (ISP 1 neighbor IP 192.168.1.1 and ISP 2 neighbor IP 192.168.1.2) via a single link in a peering exchange. Which option can an engineer use to implement nonproprietary policies to make ISP 1 the preferred link for incoming and outgoing traffic from the local SP?

A. route-map outgoing permit 10set-as ?ath prepend 65000 65000 65000route-map incoming permit 10set local-preference 1000router bgp 65000neighbor 192.168.1.1 route- map incoming outneighbor 192.168.1.1 route-map outgoing in

B. route-map outgoing permit 10set metric 100route-map incoming permit 10set weight 100router bgp 65000neighbor 192.168.1.1 route-map incoming inneighbor 192.168.1.1 route-map outgoing out

C. route-map outgoing permit 10set-as ?ath prepend 65000 65000 65000route-map incoming permit 10set local-preference 1000router bgp 65000neighbor 192.168.1.1 route- map incoming inneighbor 192.168.1.2 route-map outgoing out

D. set-as ?ath prepend 65000 65000 65000route-map incoming permit 10set weight 100router bgp 65000neighbor

192.168.1.1 route-map incoming inneighbor 192.168.1.1 route-map outgoing out

Correct Answer: A

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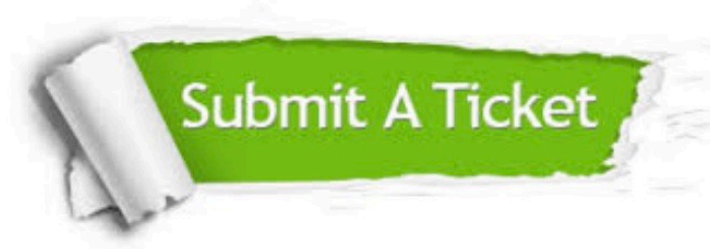
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