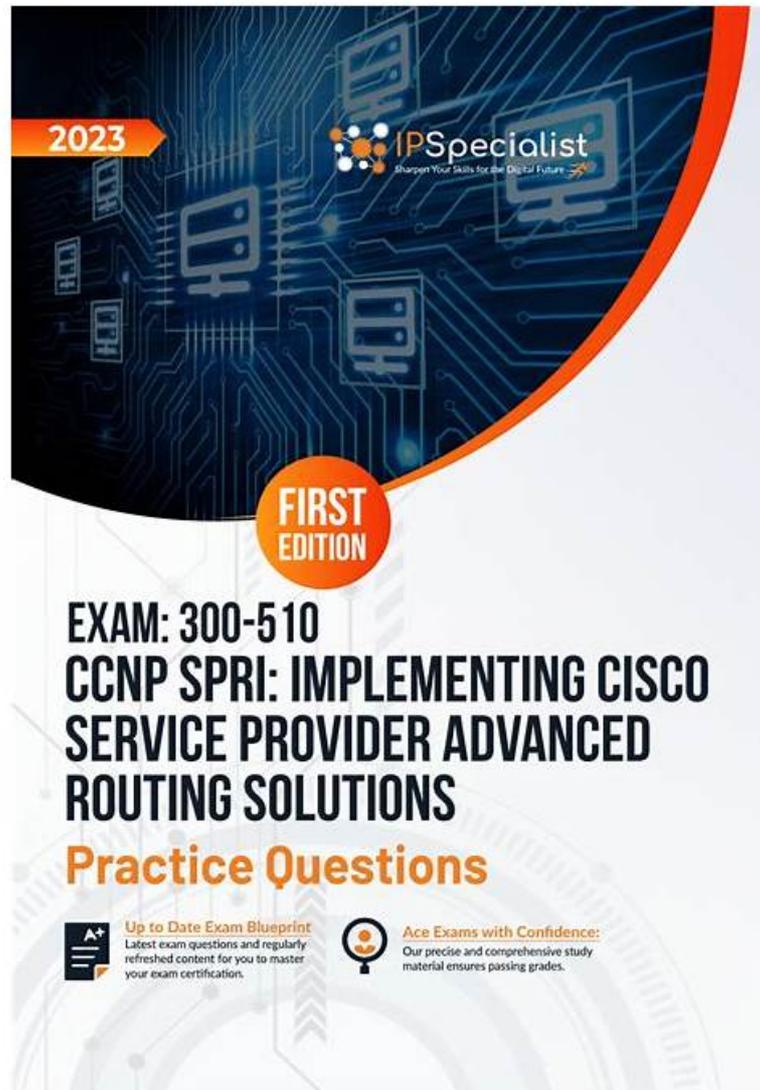


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## Cisco Implementing Cisco Service Provider Advanced Routing Solutions Sample Questions (Q197-Q202):

### NEW QUESTION # 197

Refer to the exhibit.



Refer to the exhibit. Customer A and customer B are connecting through a service provider network with these requirements R1 acts as the mapping server to connect 10.0.0.0/30 and 172.16.0.0/30 networks R1 and R2 are using nondefault SRG8 range to allocate SID.

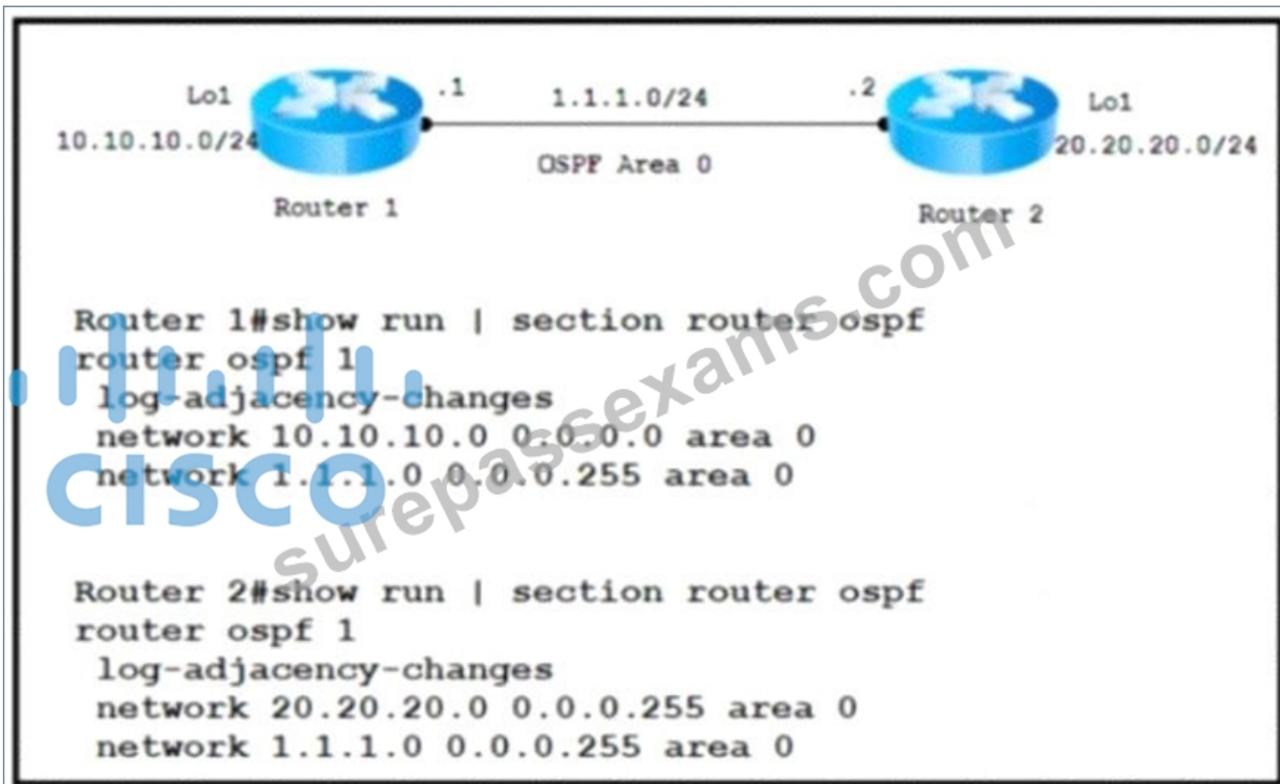
R2 acts as the mapping client for transient traffic originating from customer A Which configuration meets the requirements?

- A. Configure segment-routing prefix-sid-map advertise-local on R1
- B. Allocate prefix SIDs for 10.0.0.0-30 and 172.16.0.0/30 subnets on R2
- C. Configure segment-routing prefix-sid-map advertise-local on R2.
- D. Remove allocation of prefix SIDs for 10.0.0.0/30 and 172.16.0.0/30 on R1.

Answer: A

### NEW QUESTION # 198

Refer to the exhibit.



A network engineer at a large ISP with an employee ID 4876 94 052 started to configure OSPF on two routers. The engineer notices that router 1 learned about network 20.20.20.0/24 from router 2, but router 2 did not learn about 10.10.10.0/24 from router 1. Layer 2 and Layer 3 connectivity are working between the two routers and the physical connection between the devices is functioning. Which action must the engineer take to resolve the issue?

- A. Replace the router 1 OSPF network configuration with network 10.10.10.0 0.0.0.255 area 0.
- B. On router 2 configure a route map with a distribution list for the 10.10.10.0/24 network.
- C. On router 1 configure a route map with a distribution list for the 10.10.10.0/24 network.
- D. Replace the router 2 OSPF network configuration with network 10.10.10.0 0.0.0.255 area 0.

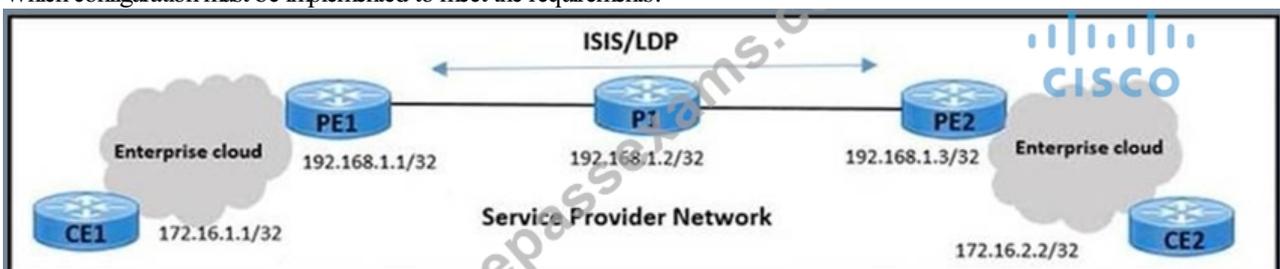
**Answer: A**

#### NEW QUESTION # 199

Refer to the exhibit. An engineer working for a private telecommunication company with an employee id 4115 46 881 is enabling a segment routing solution with these requirements.

- A service provider is using the default range for prefix SID.
- PE1 must allocate the first SID from the default range for the loopback address.
- PE1 and PE2 loopback SID allocation should have a minimum difference of 500.

Which configuration must be implemented to meet the requirements?



```

PE1(config-isis-if-af)# adjacency-sid absolute 1620
PE2(config-isis-if-af)# adjacency-sid absolute 1671

PE1(config-isis-if-af)# prefix-sid absolute 16001
PE2(config-isis-if-af)# prefix-sid index 610

PE1(config-isis-if-af)# prefix-sid absolute 16201
PE2(config-isis-if-af)# prefix-sid absolute 16710

PE2(config-isis-if-af)# adjacency-sid absolute 1600
PE1(config-isis-if-af)# adjacency-sid index 610

```

- A. Option B
- B. Option D
- C. Option A
- D. Option C

Answer: A

#### NEW QUESTION # 200

Refer to the exhibit. While applying the configurations on two routers an engineer notices that OSPF adjacency Between them remains down. Through the ping test the engineer confirmed that both me routers have Layer 3 reachability between them. Which action should me engineer take to make the adjacencies to full?

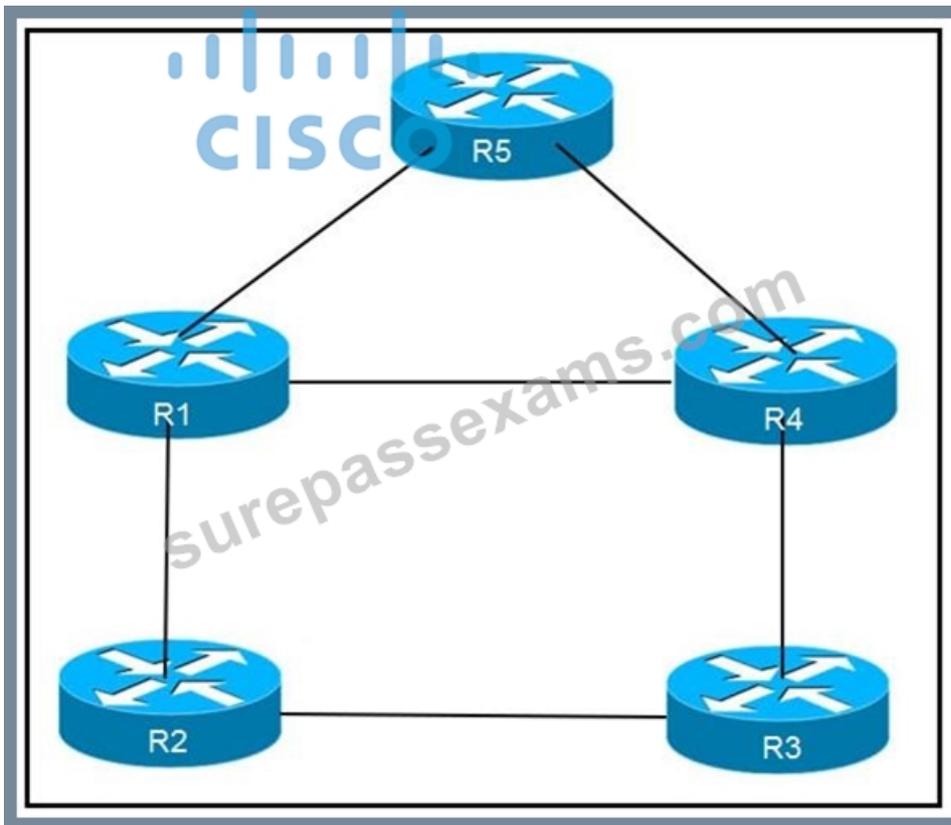
R1	R2
interface FastEthernet0/0	interface FastEthernet0/0
ip address 192.168.1.1	ip address 192.168.1.2
255.255.255.0	255.255.255.0
ip ospf authentication	ip ospf authentication-key Cisco
ip ospf authentication-key Cisco	ip ospf 1 area 0
ip ospf 1 area 0	speed auto
speed auto	duplex auto
duplex auto	
router ospf 1	router ospf 1
log-adjacency-changes	log-adjacency-changes
area 0 authentication	area 0 authentication
message-digest	message-digest

- A. Enable OSPF just inside the router OSPF process not in the interfaces of any router
- B. Delete the area 0 authentication message-digest command from the OSPF process in R2
- C. Enter the command `ip ospf authentication` in R2 interface
- D. Delete the area 0 authentication message-digest command from the OSPF process in R1

Answer: C

#### NEW QUESTION # 201

Refer to the exhibit.



An engineer is addressing an IS-IS design issue which is running within the topology. All links are running on FastEthernet, except the link between R5 and R4, which is Gigabit Ethernet. Which statement about the design is true?

- A. R5 prefers to use R4 as the next hop for all routes
- **B. All links have equal cost if the default metric is used**
- C. R4 prefer to reach R5 using R1 as the next hop
- D. R1 prefer to use R5 as the next hop to reach R4

**Answer: B**

#### NEW QUESTION # 202

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