

PASSTCERT

QUESTION & ANSWER

Higher Quality
Better Service!

We offer free update service for one year
[HTTP://WWW.PASSTCERT.COM](http://www.passtcert.com)

Exam : **300-510**

Title : Implementing Cisco Service
Provider Advanced Routing
Solutions (SPRI)

Version : DEMO

1.Refer to the exhibit.

```
Router 1:  
router ospf 20  
redistribute eigrp 1  
network 192.168.0.0 0.0.0.255 area 0
```

An engineer is troubleshooting an OSPF issue. Router 1 has a neighbor relationship with router 2. Only router 1 classful EIGRP routes can be seen on router 2.

In order for all EIGRP routes to be redistributed correctly, which action should be taken?

- A. Router 1 must have the keyword subnets included in the redistribution command for all EIGRP routes to be redistributed.
- B. Router 1 must remove the AS number 1 from the redistribution command for all EIGRP routes to be redistributed.
- C. Router 1 must have the keyword ospf-metric included in the redistribution command for all EIGRP routes to be redistributed.
- D. Router 1 must have the keyword metric-type 1 included in the redistribution command for all EIGRP routes to be redistributed.

Answer: A

2.Refer to the exhibit.

```
R1#sh ip int bri
Interface          IP-Address      OK? Method Status  Protocol
FastEthernet0/0   10.1.12.1      YES manual up      up
FastEthernet0/1   10.1.13.1      YES manual up      up
```

```
R1#sh run | s router bgp
!
router bgp 123
bgp log-neighbor-changes
neighbor TEST peer-group
neighbor TEST remote-as 2 alternate-as 3
neighbor 10.1.12.2 peer-group TEST
neighbor 10.1.13.3 peer-group TEST
```

```
R2#sh ip int bri
Interface          IP-Address      OK? Method Status  Protocol
FastEthernet0/0   10.1.12.2      YES manual up      up
```

```
R2#sh run | s router bgp
!
router bgp 2
bgp log-neighbor-changes
neighbor 10.1.12.1 remote-as 123
```

```
R3#sh ip int bri
Interface          IP-Address      OK? Method Status  Protocol
FastEthernet0/1   10.1.13.3      YES manual up      up
```

```
R3#sh run | s router bgp
router bgp 3
bgp log-neighbor-changes
neighbor 10.1.13.1 remote-as 123
```

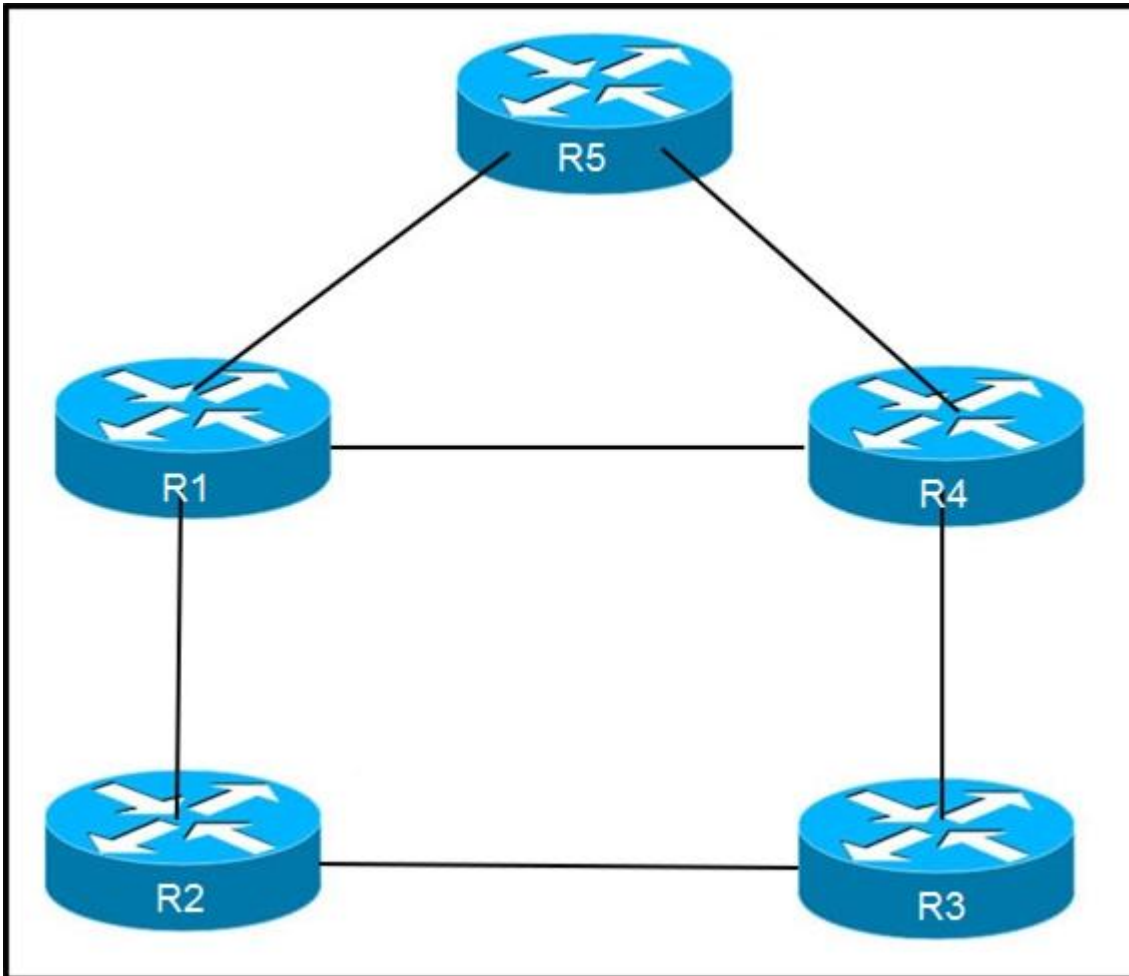
R1 is directly connected to R2 and R3. R1 is in BGP AS 123, R2 is in BGP AS 2, and R3 is in BGP AS 3. Assume that there is no connectivity issue between R1, R2 and R1, R3.

Which result between BGP peers R1, R2 and R1, R3 is true?

- A. The BGP session does not come up between R1 and R2 and between R1 and R3.
- B. The BGP session comes up between R1 and R2 and between R1 and R3.
- C. The BGP session comes up between R1 and R3, but not between R1 and R2.
- D. The BGP session comes up between R1 and R2, but not between R1 and R3.

Answer: B

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

Answer: B

4.What is used by SR-TE to steer traffic through the network?

- A. shortest path calculated by IGP
- B. dynamic rules
- C. path policy
- D. explicit maps

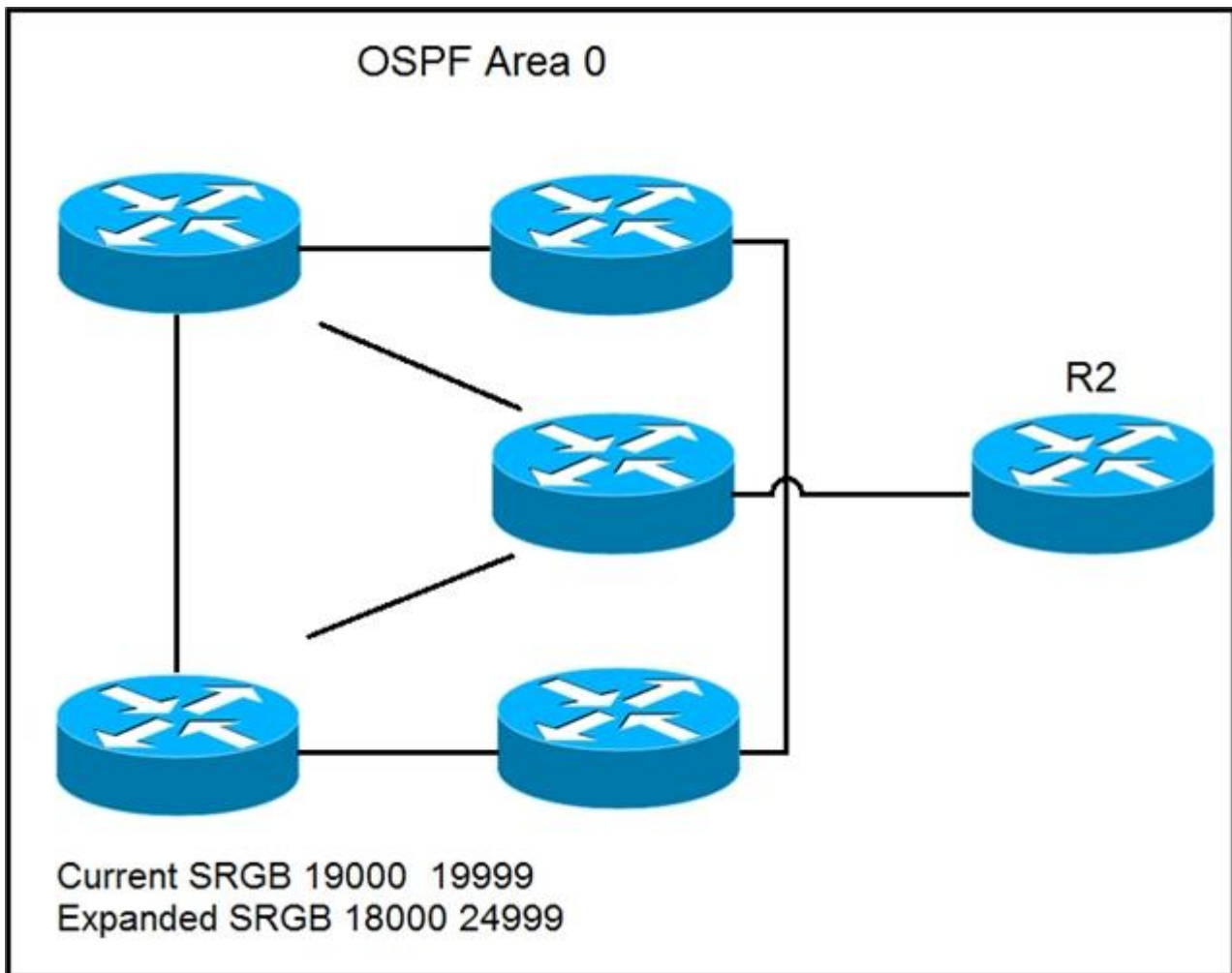
Answer: C

Explanation:

Reference:

https://www.cisco.com/c/en/us/td/docs/routers/asr9000/software/segment-routing/configuration/guide/b-seg-routing-cg-asr9k/b-seg-routing-cg-asr9k_chapter_0100.html

5.Refer to the exhibit.



A network operator wants to expand the segment routing global block in upcoming maintenance. The operator must ensure that the changes to the segment routing global block have no adverse impacts on the prefix-sid associated with the loopback0 interface used within the OSPF domain.

Which command can the operator use to enforce R2 to have a strict prefix-sid assignment to loopback0?

A)

```
router ospf 1
 area 0
 interface Loopback0
 prefix-sid index 19002 explicit-null
```

B)

```
router ospf 1
 area 0
 interface Loopback0
 prefix-sid absolute 13002
```

C)

```
router ospf 1
  area 0
    interface Loopback0
      prefix-sid absolute 19002
```

D)

```
router ospf 1
  area 0
    interface Loopback0
      prefix-sid index 19002
```

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

Answer: C