# 300-510 Q&As

Implementing Cisco Service Provider Advanced Routing Solutions (SPRI)

## Pass Cisco 300-510 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

**https://www.leads4pass.com/300-510.html**

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco Official Exam Center

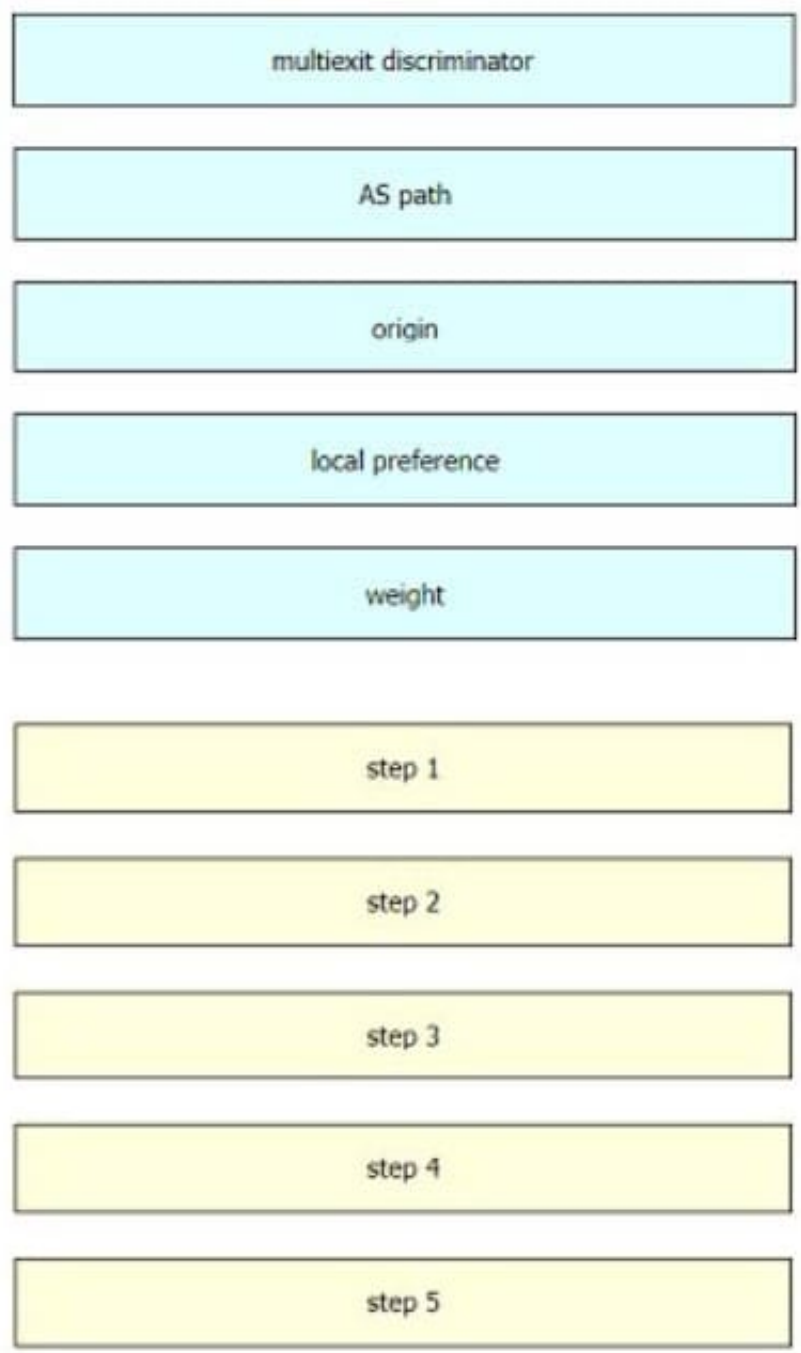
- **Instant Download** After Purchase
- **100% Money Back** Guarantee
- **365 Days** Free Update
- **800,000+** Satisfied Customers

**QUESTION 1**

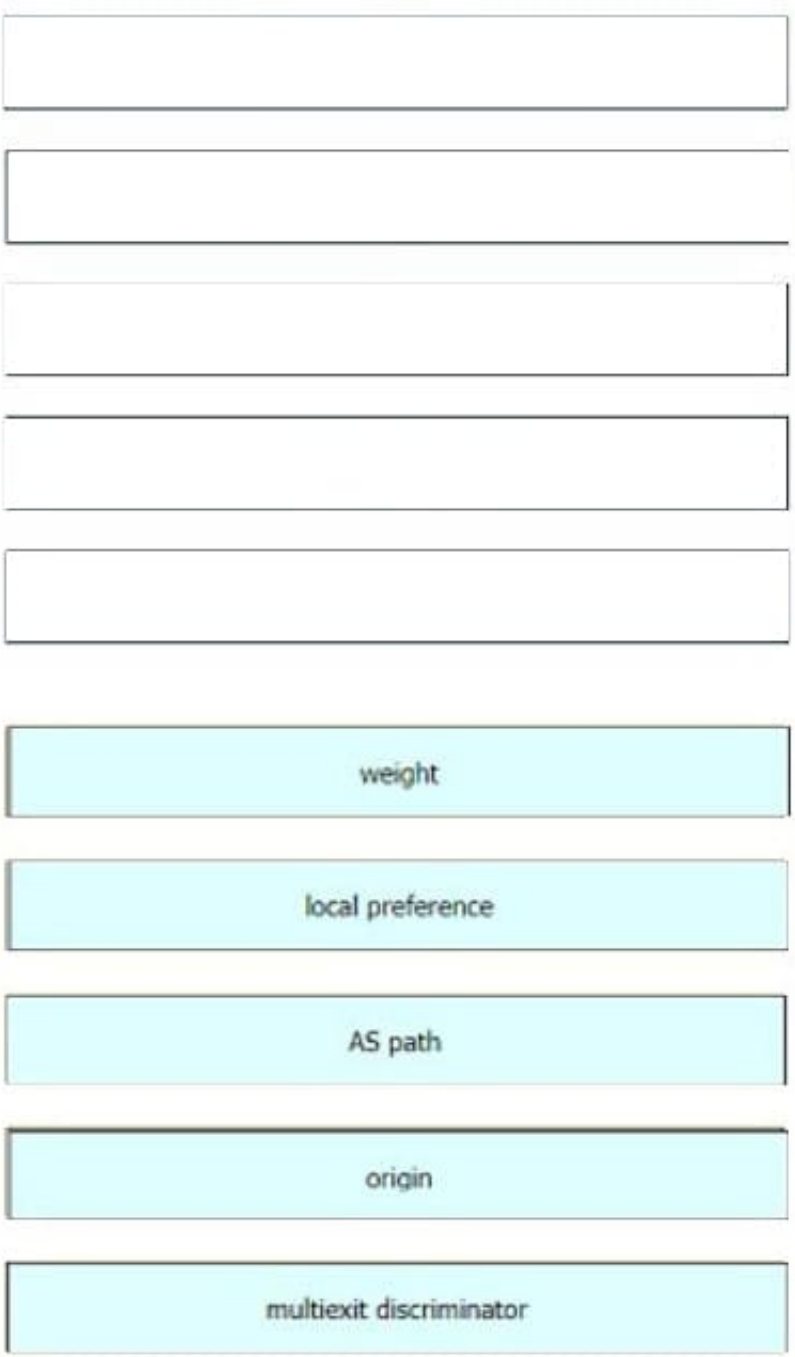
DRAG DROP

Drag and drop the BGP attributes from the left into the order of route selection preference on the right.

Select and Place:




Correct Answer:




**QUESTION 2**

What are two differences between OSPF and IS-IS? (Choose two.)

A. OSPF is a link-state routing protocol, and IS-IS is a distance-vector routing protocol.

B. OSPF uses a router ID to identify a router, and IS-IS uses a system ID.

C. OSPF elects a DR and a BDR, and IS-IS elects a DIS.

D. Unlike OSPF. IS-IS supports virtual links.

E. Unlike IS-IS routers, an OSPF router belongs to only one area in addition to the backbone area.

Correct Answer: BC

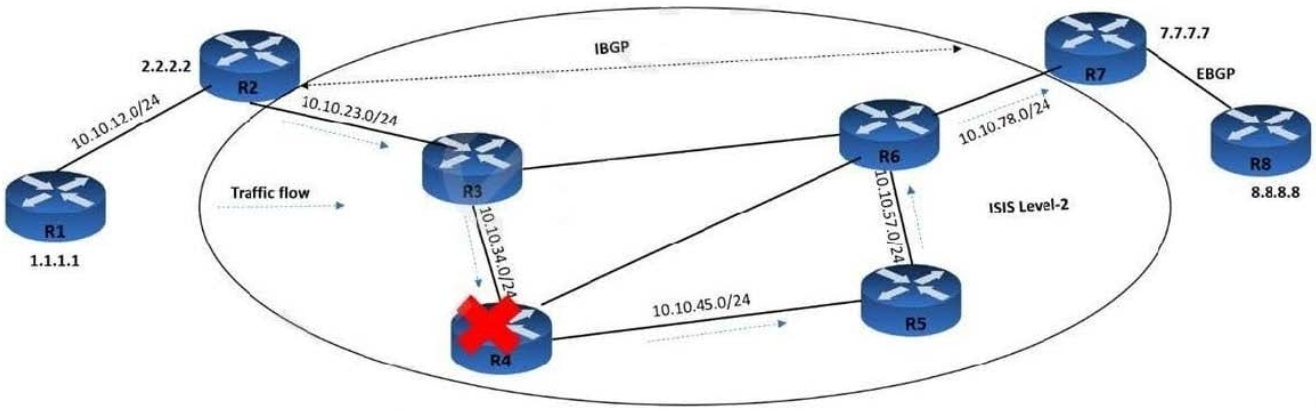
**QUESTION 3**

Refer to the exhibit.

```
R1#ip explicit path name FRR_EXP_PATH enable
 next-address 10.10.23.3
 next-address 10.10.34.4
 next-address 10.10.45.5
 next-address 10.10.57.7
 next-address 7.7.7.7

interface Tunnel127
 ip unnumbered Loppback0
 tunnel destination 7.7.7.7
 tunnel mode mpls traffic-eng
 tunnel mpls traffic-eng autoroute announce
 tunnel mpls traffic-eng path-option 10 explicit name
FRR_EXP_PATH
 tunnel mpls traffic-eng path-option 20 dynamic
```

```
R1#trace 8.8.8.8 source lo0
Type escape sequence to abort.
Tracing the route to 8.8.8.8
  1 10.10.12.2 36 msec 24 msec 28 msec
  2 10.10.23.3 [MPLS: Labels 3011/7012 Exp 0] 80 msec 48 msec 40 msec
  3 10.10.34.4 [MPLS: Labels 4009/7012 Exp 0] 40 msec 32 msec 40 msec
  4 10.10.45.5 [MPLS: Labels 5010/7012 Exp 0] 48 msec 60 msec 28 msec
  5 10.10.78.7 [MPLS: Label 7012 Exp 0] 64 msec 60 msec 48 msec
  6 10.10.78.8 64 msec *  56 msec
```




An MPLS core network has connectivity issues R4 has failed. It impacts traffic loss between R1 and R8. Customers report no access to their file servers, which delays their transformation work. Which quick action resolves the issue until R4

recovers?

A. Implement Link and Node protection on routers R2 and R7.

B. Disable traffic engineering so that traffic prefers the IGP path

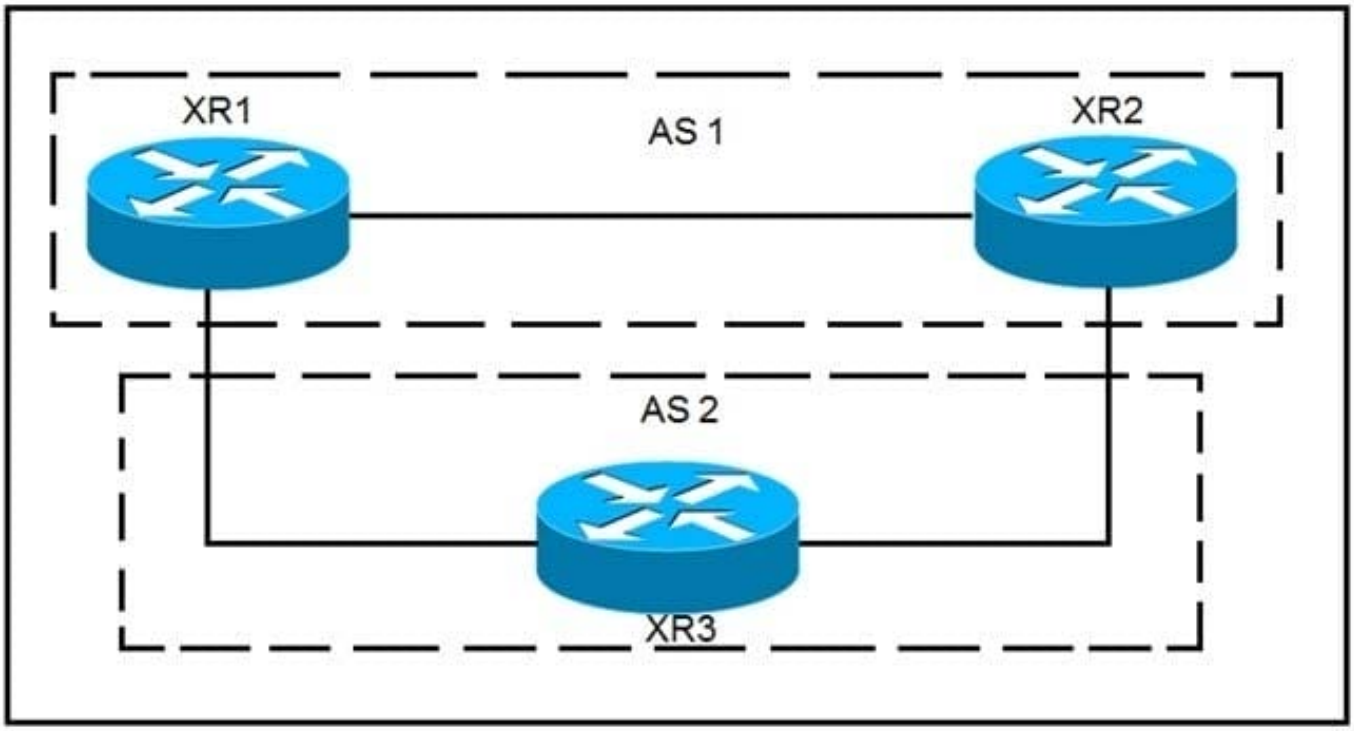
C. Enable MPLS fast reroute on router R1 and Link and Node protection on router R2.

D. Configure IBGP full mesh for faster convergence.

Correct Answer: C

**QUESTION 4**

Refer to the exhibit.




XR1 and XR2 are sending the prefix 10.11.11.0/24 to XR3. A configured policy on XR1 is incorrectly prepending AS path 11 11 12 12 onto this prefix. A network operator wants to add a policy onto XR3 that will not allow the falsely prepending prefix from being installed.

Which policy configuration applied to the XR3 neighbor configuration for XR1 can accomplish this requirement without impact to other or future received routes?

A.
```
route-policy NO_PREPEND
 if as-path passes-through '11' then
  pass
 else
  drop
 endif
end-policy
```

B.
```
route-policy NO_PREPEND
 if as-path prepends
  drop
 else
  pass
 endif
end-policy
```

C.
```
route-policy NO_PREPEND
 if as-path passes-through '1' then
  pass
 else
  drop
 endif
end-policy
```

D.
```
route-policy NO_PREPEND
 if as-path passes-through '11' then
  drop
 else
  pass
 endif
end-policy
```

A. Option A

B. Option B

C. Option C

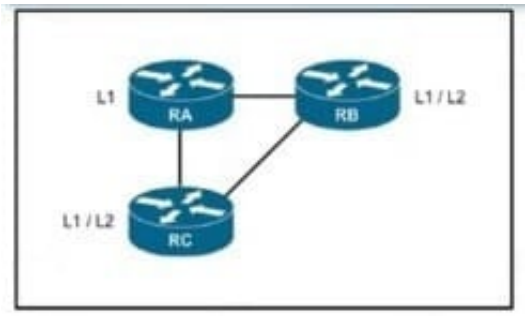
D. Option D

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/td/docs/routers/crs/software/crs_r4-1/routing/command/reference/b_routing_cr41crs/b_routing_cr41crs_chapter_01000.html#wp3850885229

**QUESTION 5**

Refer to the exhibit.




Routers RA and RB are IS-IS peers configured for NSF but router RC is an IS-IS peer without NSF capability If RA undergoes processor switchover what is the effect on the network environment?

A. If RC is operating without the Cisco configuration option all three routers tear down their peering relationships and re-establish peering

B. All peer relationships remain up and the link-state database is unchanged

C. All peer relationships remain up, but the link-state database is rebuilt on each device

D. If RC is operating without the Cisco configuration option only 2 routers tear down their peering relationships and re-establish peering

Correct Answer: C