



642-883^{Q&As}

Deploying Cisco Service Provider Network Routing

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QUESTION 1

A network engineer wants to set the local preference to 100 for the community set list lowpri-communities. Which option can the engineer use to implement this through RPL?

- A. route-policy ch-prefif community neq lowpri-communities thenset local-preference 100endifend-policy
- B. route-policy ch-prefif community matches ?ny lowpri-communities thenset local- preference 100endifend-policy
- C. route-policy ch-prefif communitymatches lowpri-communities thenset local-preference 100endifend-policy
- D. route-policy ch-prefif community matches eq lowpri-communities thenset local- preference 100endifend-policy

Correct Answer: B

QUESTION 2

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

Select and Place:

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

Weight	Only used within an AS and has a default value of 100.
MED	Can use the prepending feature to influence inbound traffic flow.
Local Preference	The lower of this value is the more desirable value. Used to influence the incoming traffic flow from the neighbor autonomous systems.
AS-Path	Proprietary to Cisco and not sent to any BGP peers. It is local to the router only.

Correct Answer:

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

	Local Preference
	AS-Path
	MED
	Weight



QUESTION 3

A service provider is deploying route redistributions for a large enterprise that wants to unify a few IGP routing domains into one to condense administration as well as common network and security policies. Which technique should be used to safely assume that the new routing domain is loop free?

- A. Enable filtering based on route-tagging on the redistribution points to avoid route- feedback.
- B. Define a static route to Null0 for all of the outgoing traffic on the redistribution points.
- C. Modify the metric associated with each redistributed prefix to implement loop-avoidance for inter-IGP routing domain designs.
- D. Disable the routing process on the interfaces with route-feedback potential on the redistribution points.

Correct Answer: A

QUESTION 4

Refer to the exhibit.

```
route-policy OSPFintoISIS
  if tag eq xxx then
    drop
  else
    set tag yyy
  endif
end-policy
```

Based on the Cisco IOS XR route policy configuration, when redistributing OSPF routes into IS-IS, to which of the following does the "tag" value correspond?

- A. The tag value represents the OSPF metric.
- B. The tag value represents the IS-IS metric.
- C. The tag value identifies a route or set of routes.
- D. The tag value is used to match whether the IS-IS route is an external or internal IS-IS route.
- E. The tag value represents the administrative distance.

Correct Answer: C

QUESTION 5

When implementing LDP, what is liberal label retention mode?

- A. To reduce the convergence time, the LSR will retain all the received labels in its LIB even if all the neighbor LSRs go



down temporary

- B. The LSR can assign its own label for each destination network even though it has not been assigned a next hop label from the neighbor LSR
- C. The LSR will store the label received from the downstream LSRs in its LIB even if the downstream LSRs are not the next hop for the destination
- D. The LSR will not perform PHP if it is operating in liberal label retention mode

Correct Answer: C

By default, LDP accepts labels (as remote bindings) for all prefixes from all peers. LDP operates in liberal label retention mode, which instructs LDP to keep remote bindings from all peers for a given prefix. For security reasons, or to conserve memory, you can override this behavior by configuring label binding acceptance for set of prefixes from a given peer.

The ability to filter remote bindings for a defined set of prefixes is also referred to as LDP inbound label filtering

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