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**Maintaining Cisco Service Provider  
Routing Protocols (MSPRP)**

Version 13.7

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**QUESTION NO: 1**

```
prefix-set test
1.1.1.1/32,
2.2.2.2/32
end-set
```

Refer to the exhibit. Which commands append a prefix of 3.3.3.3/32 to prefix-set “test”?

- A. Prefix-set test  
3.3.3.3/32  
End-test
- B. Prefix-set test  
Append 3.3.3.3/32  
End-set
- C. Prefix-set test  
1.1.1.1/32,2.2.2.2/32,3.3.3.3/32  
End-set

**Answer: C**

**QUESTION NO: 2**

Which statement accurately describes the BGP community filtering in Cisco IOS Software?

- A. can be configured for IBGP neighbors only
- B. can be configured for both IBGP and EBGP neighbors
- C. can be configured for EBGP neighbors only
- D. cannot be configured for IBGP or EBGP neighbors

**Answer: B**

**QUESTION NO: 3**

What effect will the command `timers throttle spf 5 1000 90000` have on an OSPF router?

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- A. The router dynamically reduces the frequency with which it computes the SPF tree during times of network instability.
- B. The command improves router performance by limiting the amount of CPU cycles that are consumed over time when calculating the SPF tree.
- C. When recalculating the SPF tree, the LSA update timers are changed to lessen the impact on memory and CPU usage during LSA floods.
- D. The command specifies the number of LSAs that must be received in a particular time frame before initiating a complete SPF recalculation.

**Answer: A**

**QUESTION NO: 4**

While troubleshooting a loss of connectivity, you notice the log entry

```
Mar 16 08:20:16 %OSPF-5-ADJCHG: Process 1. Nbr 1.1.1.130 on Vlan30 from FULL to EXSTART. SeqNumberMismatch
```

After logging into the device, you notice that the router seems to be stuck in the EXSTART state

When does this problem most frequently occur?

- A. during startup of the OSPF process
- B. during high CPU load on the router
- C. when the two routers report different versions of OSPF
- D. when there is a mismatch between MTU settings for neighbor router interfaces

**Answer: D**

**QUESTION NO: 5**

Which Cisco IOS XR Software hierarchical Route Policy Language policy configuration uses the existing RPL policy “test”?

- A. route-policy test  
  apply test
- B. route-policy new  
  use test
- C. route-policy new

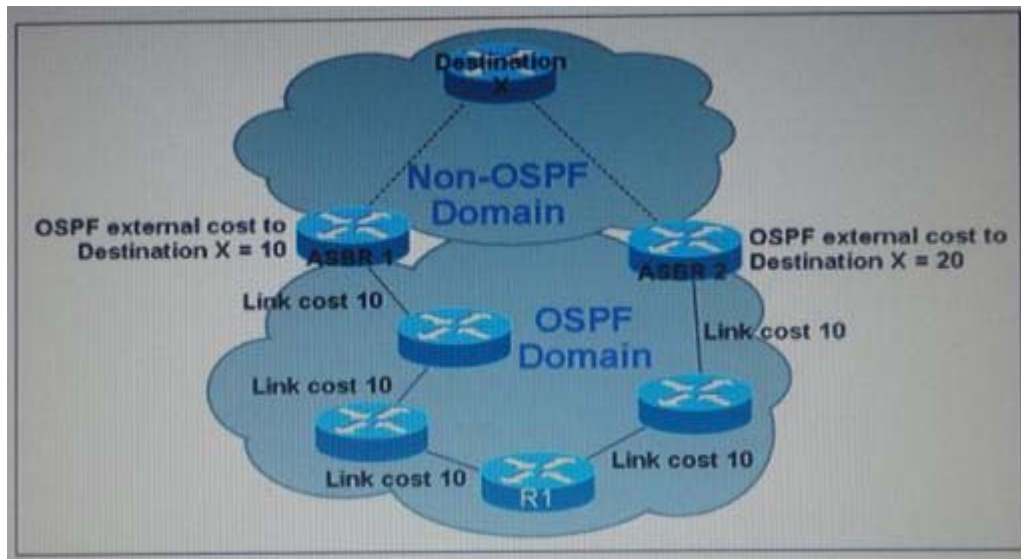
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apply test

- D. route-policy new  
use policy test

**Answer: C**

**QUESTION NO: 6**



Refer to the exhibit. What is the about destination x from the point of view of R1 if both ASBRs are advertising Destination x as an external type route?

- A. R1 sees each path as equal cost and load balances data traffic on both paths.
- B. R1 sees each path as equal cost and choose the path through the ASBR with the lower router ID
- C. R1 sees each path as ASBR1 as the shortest path
- D. R1 sees each path as ASBR2 as the shortest path

**Answer: C**

**QUESTION NO: 7**

How often are complete sequence number PDUs sent by an IS-IS router to its neighbor on a point to point link?

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- A. Once when the link comes up, and every 10 seconds thereafter
- B. Once when the link comes up, and every 30 seconds thereafter.
- C. Once when the link comes up, and every 60 seconds thereafter.
- D. Once when the link comes up, and whenever there is a topology change

**Answer: A**

**QUESTION NO: 8**

An ISP is using OSPF as the IGP with a single OSPF area. The router memory usage for OSPF is too high. Which method can lower the OSPF memory usage?

- A. implement multiple OSPF areas
- B. implement BGP synchronization to synchronize between OSPF and BGP
- C. implement OSPF sham links
- D. implement passive interfaces

**Answer: A**

**QUESTION NO: 9**

Which keyword will stop further processing of the router policy language policy on a cisco IOS router?

- A. Stop
- B. Quit
- C. Drop
- D. End
- E. Exit

**Answer: D**

**QUESTION NO: 10**

What is the default OSPF hello interval when configured on a point-to-point interface in cisco IOS software?

- A. 3 seconds
- B. 10 seconds

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- C. 15 seconds
- D. 30 seconds

**Answer: B**

**QUESTION NO: 11**

Which command gathers information on BGP route instability in Cisco IOS XR Software?

- A. show ip bgp summary
- B. show bgp flap-statistics
- C. show ip bgp neighbors
- D. show bgp ip dampening

**Answer: B**

**QUESTION NO: 12**

Which two statements correctly describe the IBGP split-horizon rule?

- A. Updates that are received on an EBGP session are forwarded to IBGP and EBGP.
- B. Updates that are received on an EBGP session are not back out the EBGP peers that are in the same neighboring AS.
- C. Updates that are received on an IBGP session are forwarded to all EGBP peers
- D. Updates that are received on an IBGP session can be forwarded to other IBGP peers synchronization is turned off.

**Answer: B**

**QUESTION NO: 13**

Which four BGP parameters can be tuned to influence BGP convergence time? (Choose four)

- A. scan time
- B. stuck in active timer
- C. advertisement interval
- D. keepalive interval
- E. holdtime interval

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F. idle time

**Answer:** A, C, D, E

**QUESTION NO:** 14

Which statement accurately describes the BGP community filtering in Cisco IOS XR Software?

- A. can be configured for IBGP neighbors only
- B. can be configured for both IBGP and EBGP neighbors
- C. can be configured for EBGP neighbors only
- D. cannot be configured for IBGP or EBGP neighbors

**Answer:** B

**QUESTION NO:** 15

If the network is experiencing high CPU usage that is caused by OSPF, which four options might you consider to reduce the CPU usage? (Choose four)

- A. Enable OSPF incremental Shortest Path First.
- B. Enable OSPF Shortest Path First throttling.
- C. Enable multiple OSPF areas.
- D. Enable auto-summary.
- E. Enable special OSPF area types (stub, totally stubby).
- F. Enable the "broadcast" OSPF network type.

**Answer:** A, B, C, E

**QUESTION NO:** 16