Question: 1

Two routers are physically connected to each other over Ethernet port 1/1/1.

A. INIT
B. EXCHANGE
C. EXSTART
D. FULL
E. No OSPF neighbor

Answer: E

Question: 2

Which of the following debug statements can be used to troubleshoot if the OSPF adjacency is staying at xstart state? Select two answers.

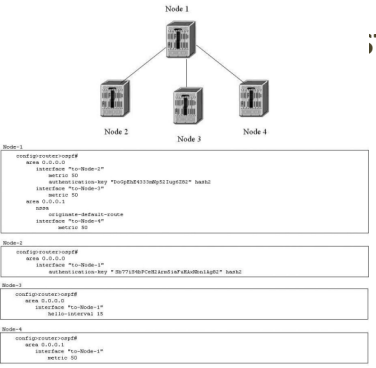
A. Debug router ospf rtm
B. Debug router ospf packet dbdescr
C. Debug router ospf neighbor
D. Debug router ospf packet hello
E. Debug router ospf spf

Answer: B, C

Question: 3

Based on the following configuration, which of the following statements are true? Choose all that apply.

Page | 1



A. No OPSF adjacency found on Node 1
B. Full OSPF adjacency between Node-1 and Node-2
C. Full OSPF adjacency between Node-1 and Node-3
D. Full OSPF adjacency between Node-1 and Node-4
E. OSPF is enabled on Node 1

Answer: B, E

Question: 4

Two routers are physically connected to each other over Ethernet port 1/1/1. Review the configuration information below. What state should the OSPF neighbor be in?

Page | 2

Node 2

A. INIT
B. EXCHANGE
C. EXSTART
D. FULL
E. No OSPF neighbor

Answer: D

Question: 5

Two routers are physically connected running ISIS. ISIS L2 adjacency is up and running but L1 adjacency is not up. Review the configuration information shown below: Which of the following statement best describe the cause of the problem? Select one answer only.

Page | 3

Pod-1

```
configure>router>
        isis
        interface "toPod2"
        exit

# show router isis interface detail
===============================================================================
ISIS Interfaces
===============================================================================
-------------------------------------------------------------------------------
Interface     : toPod2                      Level Capability: L1L2
Oper State    : Up                          Admin State     : Up
Auth Type     : None
Circuit Id    : 2                           Retransmit Int. : 5
Type          : Broadcast                   LSP Pacing Int. : 100
Mesh Group    : Inactive                    CSNP Int.       : 10
Bfd Enabled   : No

  Level       : 1                           Adjacencies     : 0
  Desg. IS    : Pod1
  Auth Type   : None                        Metric          : 10
  Hello Timer : 9                           Hello Mult.     : 3
  Priority    : 64                          Passive         : No

  Level       : 2                           Adjacencies     : 1
  Desg. IS    : Pod1
  Auth Type   : None                        Metric          : 10
  Hello Timer : 9                           Hello Mult.     : 3
  Priority    : 64                          Passive         : No
```

Pod-2

```
configure>router>
        isis
        interface "toPod1"
        exit

# show router isis interface detail

===============================================================================
ISIS Interfaces
===============================================================================
-------------------------------------------------------------------------------
Interface     : toPod1                      Level Capability: L1L2
Oper State    : Up                          Admin State     : Up
Auth Type     : None
Circuit Id    : 3                           Retransmit Int. : 5
Type          : Broadcast                   LSP Pacing Int. : 100
Mesh Group    : Inactive                    CSNP Int.       : 10
Bfd Enabled   : No

  Level       : 1                           Adjacencies     : 0
  Desg. IS    : Pod2
  Auth Type   : None                        Metric          : 10
  Hello Timer : 9                           Hello Mult.     : 3
  Priority    : 64                          Passive         : No

  Level       : 2                           Adjacencies     : 1
  Desg. IS    : Pod1
  Auth Type   : None                        Metric          : 10
  Hello Timer : 9                           Hello Mult.     : 3
  Priority    : 64                          Passive         : No
```

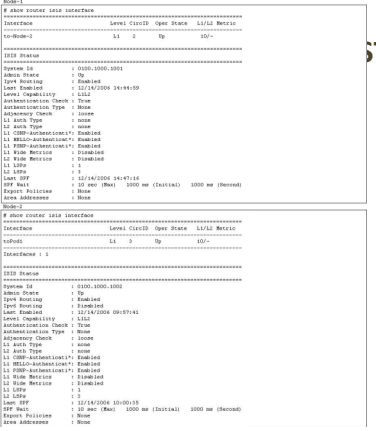
A. The ISIS interface level is not configured on both routers
B. The ISIS interface type should be configured as point-to-point interfaces
C. ISIS System IDs are not configured on both routers
D. ISIS Area addresses are not configured on both routers
E. ISIS level capacity are not configured on both routers

Answer: D

Question: 6

Two routers are physically connected to each other with ISIS configured. No ISIS adjacency can be found on both routers. Ping works fine on the local and the remote interface addresses on both routers. Review the confguration information shown below. Which of the following statements best describe the cause of the problem? Select one answer only.

Page | 4



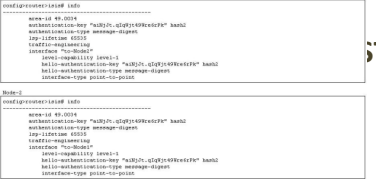
A. The ISIS interface level configured does not match the ISIS level capability supported on the routers
B. The ISIS authentication check is enabled but there is no authentication type and password configured
C. ISIS Area addresses are not configured on both routers
D. L1 wide Metrics are disabled on the routers
E. ISIS Circuit id does not match on Node-1 and Node-2

Answer: C

Question: 7

L1 ISIS adjacency is up between two routers (Node-1 and Node-2) with MD5 authentication configured. During a maintenance window, an operator was planning to change one of the ISIS hello authentication key from admin to admin123. After removing the hello authentication key from Node-1 (no change on Node-2 side), the ISIS adjacency stayed up. The operator decided to fall back to the original configuration and called Alcatel for support. Which of the following

Page | 5



A. The ISIS hello authentication key was not configured properly in the first place, that's why removing the authentication key does not impact the adjacency
B. The ISIS authentication key is the same as the hello authentication key, therefore removing hello authentication key does not impact the adjacency
C. The system interface is missing from the ISIS configuration, therefore ISIS is not working properly even before the change
D. ISIS hello authentication key is only used for hello packet exchange. It does not affect ISIS adjacency
E. ISIS hello authentication key is not used to bring up ISIS adjacency when traffic-engineering is enabled on the routers

Answer: B

Question: 8

What are the typical RIP related issues found during troubleshooting?

A. Interface filters
B. Broadcast/Multicast mismatch
C. Area id not match with neighbor
D. Group name not match with neighbor
E. Hop count too high

Answer: A, B, E

Page | 6