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Vendor: Cisco

Exam Code: 400-151

Exam Name: CCIE Routing and Switching Written v5.0

Version: Demo

Question No : 1

Refer to the exhibit.

```
hostname R1
interface Loopback0
    ip address 192.168.1.1 255.255.255.0
interface FastEthernet0/0
    ip address 192.168.12.1 255.255.255.0
    duplex auto
    speed auto
router ospf 1
    log-adjacency-changes
    network 192.168.1.0 0.0.0.255 area 0
    network 192.168.12.0 0.0.0.255 area 0
    distribute-list 1 in
access-list 1 deny 192.168.2.1

hostname R2
interface Loopback0
    ip address 192.168.2.1 255.255.255.0
interface FastEthernet0/0
    ip address 192.168.12.2 255.255.255.0
router ospf 1
    log-adjacency-changes
    network 192.168.2.0 0.0.0.255 area 0
    network 192.168.12.0 0.0.0.255 area 0
```

Which statement about the effect of this configuration is true ?

A. The 192.168.2.1/24 network is summarized and advertised as 192.168.2.0/24

B. The 192.168.2.1/32 network appears in the route table on R1 ,but it is missing from its OSPF database.

C. The 192.168.2.1/32 network is missing from the OSPF database and the route table on R1.

D. The 192.168.2.1/32 network appears in the Rl OSPF database , but it is missing from its route table.

Correct Answer: D

Question No : 2

Refer to the exhibit.


```
interface tunnel 1
  tunnel source ethernet 0
  tunnel mode ipv6ip isatap
  ipv6 address 2001:DB8::/64 eui-64
```

What is wrong with the configuration of this tunnel interface ?

A. ISATAP tunnels cannot use the EUI-64 address format.

B. The tunnel source of an ISATAP tunnel must always point to a loopback interface.

C. Router advertisements are disabled on this tunnel interface.

D. No tunnel destination has been specified.

Correct Answer: C

Question No : 3

Which two statements about IGMP filtering are true?

A. It eliminates the need for a multicast RP.

B. It can be implemented on Layer-3 routed ports using the ipigmp access-list command.

C. It allows Anycast RP to operate within a single AS.

D. It supports IGMPv3 traffic only

E. It can be implemented on Layer-2 switchports using IGMP profiles.

Correct Answer: BC

Question No : 4

What are two ways DHCPv6 guard can mitigate man-in-the-middle attacks?

A. An interface in the server device role can use ACLs to filter authorized servers.

B. An interface in the server device role can drop all DHCPv6 server messages.

C. An interface in the client device role can use ACLs to filter authorized servers.

D. An interface in the server device role can use prefix-lists to filter authorized DCHP reply messages.

E. An interface in the client device role blocks all DCHPv6 server messages by default.

Correct Answer: CE

Question No : 5

Which statement is true about trunking?

A. DTP only supports autonegotiation on 802.1q and does not support autonegotiation for ISL

B. Cisco switches that run PVST+ do not transmit BPDUS on nonnative VLANs when using a

C. dot1q trunk.

D. DTP os a point-to-point protocol.

E. When removing VLAN 1 from a trunk,management traffic such as CDP is no longer passed in that VLAN.

Correct Answer: C

Question No : 6

Which tunneling method can transmit IPv6 traffic over an MPLS infrastructure?
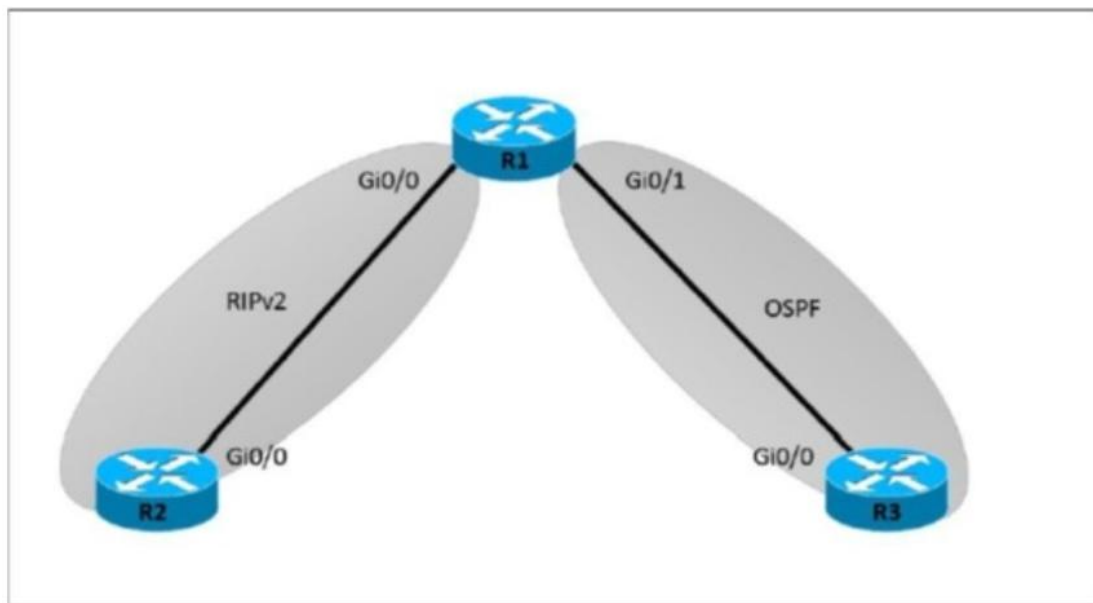
A. 6RD

B. ISATAP

C. 6to4

D. 6PE

Correct Answer: D

Question No : 7

Refer to the exhibit.

A. R1 is performing mutual redistribution,but OSPF routes from R3 are unable to reach R2.

B. The RIP version supports only classful subnet masks.

C. R3 and R1 have the same router 1

D. R1 requires a seed metric to redistribute RIP.

E. R1 and R3 have an MTU mismatch.

F. R2 is configured to offset OSPF routes with a metric of 16.

G. R1 is filtering OSPF routes when redistributing into RIP.

Correct Answer: BDE

Question No : 8

Which three factors does Cisco PFR use to calculate the best exit path?(Choose three)
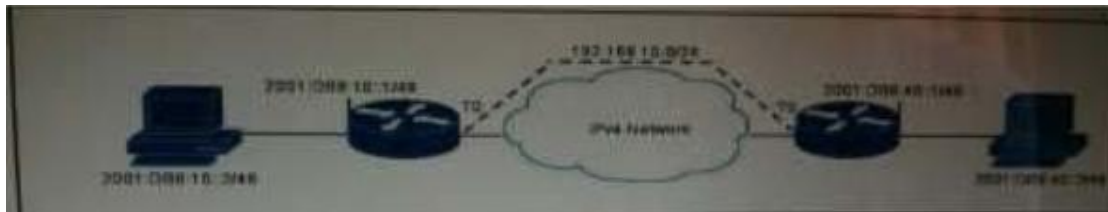
A. Reachability

B. Delay

C. Quality of service

D. Packet size

E. Adminstrative distance

F. Loss

Correct Answer: ABF

Question No : 9

Refer to the exhibit.

Which IPv6 migration method is in use on this network ?

A. 6to4 tunnel

B. NAT-PT

C. ISATAP tunnel

D. dual stack

Correct Answer: B

Question No : 10

Refer to the exhibit.

```
Router1#show run
Buildiing configuration….

ip cef
no ip domain loopup

pseudowire-class R1toR2
    ip local interface  Loopback0

interface Loopback0
    ip address 10.1.1.1 255.255.255.255

interface FastEthernet1/0
    no snmp trap link-status
    no cdp enable
    xconnect 10.10.12.1 12 pw-class R1toR2

end
```

You are configuring Router1 and Router2 for L2TPv3 tunneling. Which two additional configurations are required to enable Router1 and Router2 to establish the tunnel?(choose two)

A. Router1 must be configured to encapsulate traffic by using L2TPv3 under thepseudowire-class R1toR2.

B. An IP address must be configured on interface FastEthernet1/0 on Router1.

C. Loopback 0 on Router1 must be advertised to Router2.

D. Cisco Express Fowarding must be disabled on Router1.

E. Cisco Discovery Protocol must be enabled on interface FastEthernet1/0 on Router1.

Correct Answer: AC

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