Correct Answer: A

QUESTION 11

Refer to the exhibit. An engineer is trying to redistribute OSPF to BGP, but not all of the routes are redistributed. What is the reason for this issue?

```
Router#sh ip route ospf
<output omitted>
Gateway is last resort is not set

      10.0.0.0/24 is subnetted, 1 subnets
   o  E2    10.0.0.0 [110/20] via 192.168.12.2, 00:00:10, Ethernet0/0
   o      192.168.3.0/24 [110/20] via 192.168.12.2, 00:00:50, Ethernet0/0
Router#

Router#show ip bgp
<output omitted>
     Network          Next Hop      Metric  LocPrf  Weight  Path
>*   192.168.1.1/32   0.0.0.0            0           32768   ?
>*   192.168.3.0      192.168.12.2      20           32768   ?
>*   192.168.12.0     0.0.0.0            0           32768   ?
Router#show running-config | section router bgp
router bgp 65000
 bgp log-neighbor-changes
 redistribute ospf 1
Router#
```

A. By default, only internal routes and external type 1 routes are redistributed into BGP.
B. Only classful networks are redistributed from OSPF to BGP.
C. BGP convergence is slow, so the route will eventually be present in the BGP table.
D. By default, only internal OSPF routes are redistributed into BGP.

Correct Answer: D

QUESTION 12

Which attribute eliminates LFAs that belong to protected paths in situations where links in a network are connected through a common fiber?

A. shared risk link group-disjoint
B. linecard-disjoint
C. lowest-repair-path-metric
D. interface-disjoint

Correct Answer: A

Explanation:

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_eigrp/configuration/xe-3s/asr1000/ire-xe-3s-asr1000/ire-ipfrr.html

QUESTION 13
Refer to the exhibit. In which circumstance does the BGP neighbor remain in the idle condition?

```
R200#show ip bgp summary
BGP router identifier 10.1.1.1, local AS number 65000
BGP table version is 26, main routing table version 26
1 network entries using 132 bytes of memory
1 path entries using 52 bytes of memory
2/1 BGP path/bestpath attribute entries using 296 bytes of memory
0 BGP route-map cache entries using 0 bytes of memory
0 BGP filter-list cache entries using 0 bytes of memory
Bitfield cache entries: current 1 (at peak 2) using 28 bytes of memory
BGP using 508 total bytes of memory
BGP activity 24/23 prefixes, 24/23 paths, scan interval 60 secs
Neighbor        V    AS MsgRcvd MsgSent   TblVer  InQ OutQ Up/Down  State/PfxRcd
192.0.2.2       4 65100   20335   20329        0    0    0 00:02:04 Idle (PfxCt)
R200#
```

A. if prefixes are not received from the BGP peer
B. if prefixes reach the maximum limit
C. if a prefix list is applied on the inbound direction
D. if prefixes exceed the maximum limit

Correct Answer: D

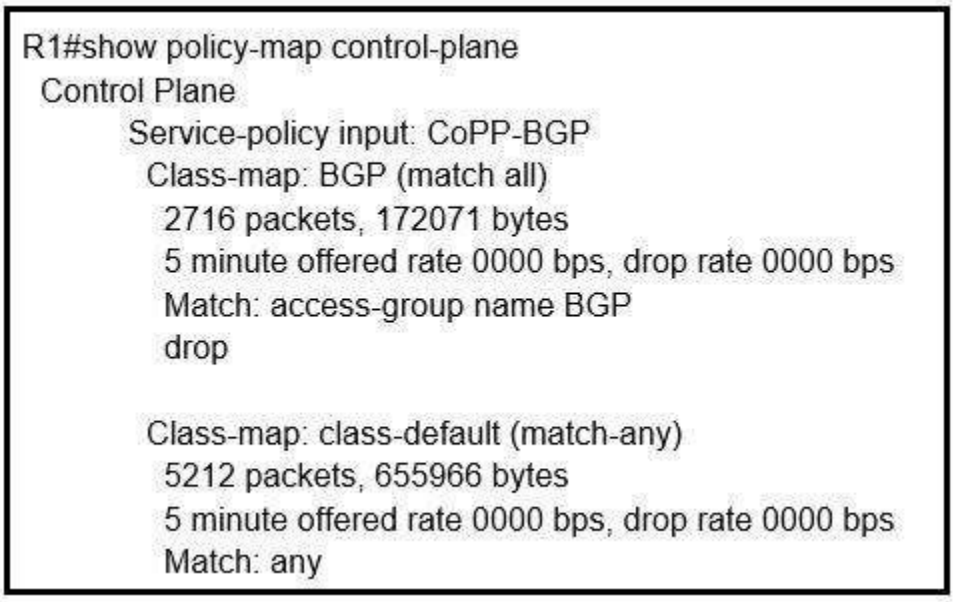
QUESTION 14
Refer to the exhibit. An engineer is troubleshooting BGP on a device but discovers that the clock on the device does not correspond to the time stamp of the log entries. Which action ensures consistency between the two times?

```
* Jun 28 14:41:57: %BGP-5-ADJCHANGE: neighbor 192.168.2.2 Down User reset
* Jun 28 14:41:57: %BGP_SESSION-5-ADJCHANGE: neighbor 192.168.2.2 IPv4 Unicast
topology base removed from session  User reset
* Jun 28 14:41:57: %BGP-5-ADJCHANGE: neighbor 192.168.2.2 Up
R1#show clock
*15:42:00.506 CET Fri Jun 28 2019
```

A. Configure the service timestamps log uptime command in global configuration mode.
B. Configure the logging clock synchronize command in global configuration mode.
C. Configure the service timestamps log datetime localtime command in global configuration mode.
D. Make sure that the clock on the device is synchronized with an NTP server.

Correct Answer: C

QUESTION 15
Refer to the exhibit. What is the result of applying this configuration?



A. The router can form BGP neighborships with any other device.
B. The router cannot form BGP neighborships with any other device.
C. The router cannot form BGP neighborships with any device that is matched by the access list named “BGP”.
D. The router can form BGP neighborships with any device that is matched by the access list named “BGP”.

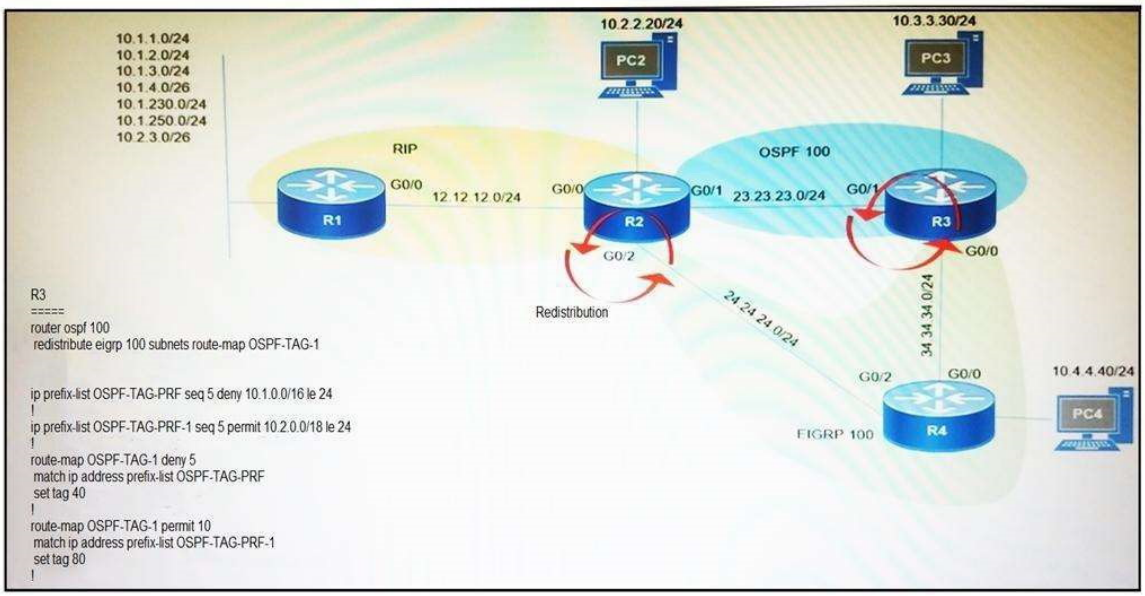
Correct Answer: A

QUESTION 16
Which command displays the IP routing table information that is associated with VRF-Lite?

A. show ip vrf
B. show ip route vrf
C. show run vrf
D. show ip protocols vrf

Correct Answer: B
Explanation:
https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst4500/12-2/50sg/configuration/guide/Wrapper-46SG/vrf.html#wp1045708

QUESTION 17
Refer to the exhibit. Which subnet is redistributed from EIGRP to OSPF routing protocols?



A. 10.2.2.0/24
B. 10.1.4.0/26
C. 10.1.2.0/24
D. 10.2.3.0/26

Correct Answer: A

QUESTION 18
Which configuration adds an IPv4 interface to an OSPFv3 process in OSPFv3 address family configuration?

A. router ospfv3 1 address-family ipv4
B. Router(config-router)#ospfv3 1 ipv4 area 0
C. Router(config-if)#ospfv3 1 ipv4 area 0
D. router ospfv3 1 address-family ipv4 unicast

Correct Answer: C
Explanation:
https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_ospf/configuration/xe-3s/iro-xe-3s-book/ip6-route-ospfv3-add-fam-xe.html

QUESTION 19
Refer to the exhibit. Which statement about R1 is true?

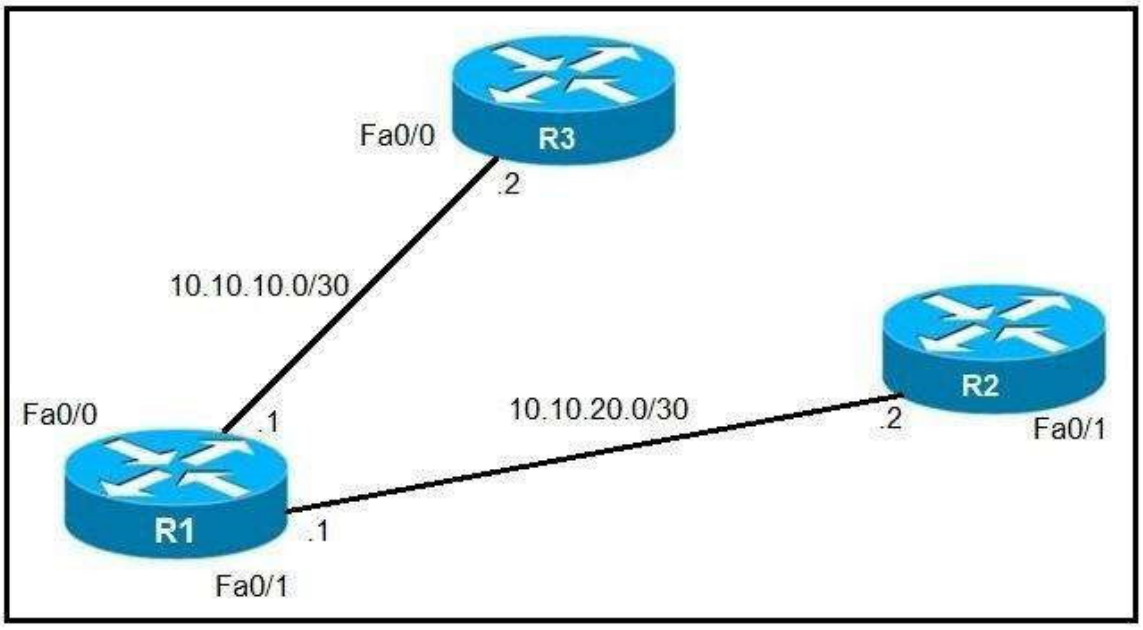
```
R1(config)#route-map ADD permit 20
R1(config-route-map)#set tag 1

R1(config)#router ospf1
R1(config-router)#redistribute rip subnets route-map ADD
```

A. OSPF redistributes RIP routes only if they have a tag of one.
B. RIP learned routes are distributed to OSPF with a tag value of one.
C. R1 adds one to the metric for RIP learned routes before redistributing to OSPF.
D. RIP routes are redistributed to OSPF without any changes.

Correct Answer: B

QUESTION 20
Refer to the exhibit. An IP SLA was configured on router R1 that allows the default route to be modified in the event that Fa0/0 loses reachability with the router R3 Fa0/0 interface. The route has changed to flow through router R2. Which debug command is used to troubleshoot this issue?



A. debug ip flow
B. debug ip sla error
C. debug ip routing
D. debug ip packet

Correct Answer: C