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[CCNP ROUTE Chapter 4 Exam Answers \(Version 7\) – Score 100%](#)

How to find: Press “Ctrl + F” in the browser and fill in whatever wording is in the question to find that question/answer.

NOTE: If you have the new question on this test, please comment Question and Multiple-Choice list in form below this article. We will update answers for you in the shortest time. Thank you! We truly value your contribution to the website.

1. Refer to the exhibit. How will R1 redistribute routes between the two routing domains?



```
R1(config)# router eigrp 1
R1(config-router)# network 172.24.0.0 0.0.255.255
R1(config-router)# redistribute ospf metric 100000 100 255 1 1500
R1(config-router)# exit
R1(config)#
R1(config)# router ospf 1
R1(config-router)# network 172.16.0.0 0.0.255.255
R1(config-router)# redistribute eigrp 1
R1(config-router)#
```

- Redistribution will not occur between routing domains.
 - **Two-way redistribution will occur between the OSPF and EIGRP routing domains.***
 - One-way redistribution will occur with OSPF routes being redistributed into EIGRP.
 - One-way redistribution will occur with EIGRP routes being redistributed into OSPF.
2. Route redistribution has been configured from an OSPFv3 domain into an EIGRP for IPv6 domain. However, the OSPFv3 directly connected routes are not being redistributed into EIGRP for IPv6. Which option would successfully resolve this issue?
 - The EIGRP **redistribute** command requires the **static** keyword.
 - **The EIGRP redistribute command requires the include-connected keyword.***
 - The EIGRP **redistribute** command requires the **connected** keyword.
 - There are no directly connected OSPFv3 interfaces.
 3. What two methods can be used to filter routes?

- **route maps with ACLs or prefix lists***
 - Cisco NetFlow
 - default routes
 - **distribute lists with with ACLs or prefix list***
 - IP SLA
4. Which two routing protocol redistribution statements are true? (Choose two.)
- Redistribution is always performed inbound.
 - Redistribution is performed inbound and outbound.
 - **The routing table on the router doing the redistribution does not change.***
 - **Redistribution is always performed outbound.***
 - The routing table on the router doing the redistribution changes.
5. When configuring a seed metric for redistributed routes, what is the recommended metric setting?
- Set the seed metric to a value matching the largest metric within the autonomous system.
 - **Set the seed metric to a value greater than the largest metric within the autonomous system.***
 - Set the seed metric to a value less than the largest metric within the autonomous system
 - Do not set a seed metric.
6. Which *ip prefix-list* command would only permit the aggregate address 192.168.0.0/16 to be advertised when applied using the *distribute-list prefix FILTER-ROUTES out* router configuration command on R1?
- R1 (config)#ip prefix-list FILTER-ROUTES permit 192.168.0.0/16 ge 16
 - R1 (config)#ip prefix-list FILTER-ROUTES permit 192.168.0.0/16 eq 16
 - **R1 (config)#ip prefix-list FILTER-ROUTES permit 192.168.0.0/16***
 - R1 (config)#ip prefix-list FILTER-ROUTES permit 1921 68.0.0 / 0 le 16
7. Which *ip prefix-list* line will be used when multiple lines match a given prefix?
- line with the largest sequence number
 - line with the lowest sequence number
 - **line with the longest prefix mask length***
 - all matching lines
8. Which routing feature is implemented to exchange routing information between autonomous systems?
- **route redistribution***
 - floating static routes
 - routing policy
 - route summarization

- default route
9. Which is the default seed metric for an OSPF route that is redistributed into an EIGRP autonomous system?
- 20
 - 110
 - **infinity***
 - 1
 - 90
 - 170
10. What is the final step when configuring a route map for redistribution?
- Apply **match** commands.
 - Define access lists.
 - Apply policy to an interface using **ip policy route-map** interface configuration command.
 - **Apply policy to a routing process using the redistribute router configuration command.***
11. Which two redistribution techniques are least likely to introduce routing loops into a network? (Choose two.)
- multipoint one-way redistribution
 - **one-point two-way redistribution***
 - one-point multi-way redistribution
 - **one-point one-way redistribution***
 - multipoint multi-way redistribution
 - multipoint two-way redistribution
12. Refer to the exhibit. After configuring two-way redistribution, an administrator notices that none of the EIGRP routes are being advertised in the OSPF network. What is a

possible reason that the routes are not being advertised?

```
router1# show run

<output omitted>

router eigrp 100
network 10.0.0.0
redistribute ospf 5 10000 100 255 1 1500
!
router ospf 5
network 209.165.200.224 0.0.0.31 area 0
redistribute eigrp 5 metric 100

<output omitted>
```

- **The wrong EIGRP AS is being redistributed***
- The **metric** value is wrong for the **redistribute** command under OSPF
- The **metric** value is wrong for the **redistribute** command under EIGRP
- The **subnets** keyword is missing on the **redistribute** command under OSPF

13. Refer to the exhibit. The EIGRP subnets such as 10.10.0.0/16 and 10.20.0.0/16 are not being seen inside the OSPF domain. What is a possible reason for this?

```
router1# show run

<output omitted>

router eigrp 100
network 10.0.0.0
redistribute ospf 5 10000 100 255 1 1500
!
router ospf 5
network 209.165.200.224 0.0.0.31 area 0
redistribute eigrp 100 metric 100

<output omitted>
```

- The network statement for EIGRP is missing the network mask configuration
- A seed metric for EIGRP has not been set.
- **The redistribute command is missing the subnets keyword in the OSPF configuration***
- The metric configuration for OSPF is set too high.

14. What is the administrative distance of an external OSPF route that was learned from EIGRP through redistribution?

- 10

- 20
- 170
- 90
- **110***

15. A router has learned the route 192.168.254.0/24 from multiple sources. These sources are as follows:

- RIPv1 route with a metric of 12
- EIGRP with a metric of 125689
- OSPF E2 route with a metric of 125
- EIGRP external route with a metric of 3489
- OSPF type 1 route with a metric of 632
- OSPF route with a metric of 4

What route will be injected into the routing table?

- O with a metric of 4
- EX with a metric of 3489
- R with metric of 12
- E1 with a metric of 632
- **D with metric of 125689***
- E2 with a metric of 125