CCNA3 v6.0 Chapter 6 Exam Full 100%

Posted on June 30, 2017 by admin

CCNA3 v6.0 Chapter 6 Exam Full 100%

1. Question
When an EIGRP-enabled router uses a password to accept routes from other EIGRP-enabled routers, which mechanism is used?

- bounded updates
- partial updates
- EIGRP authentication
- Diffusing Update Algorithm
- Reliable Transport Protocol

2. Question
What is the purpose of using protocol-dependent modules in EIGRP?

- to describe different routing processes
- to identify different application layer protocols
- to use different transport protocols for different packets
- to accommodate routing of different network layer protocols

3. Question
If all router Ethernet interfaces in an EIGRP network are configured with the default EIGRP timers, how long will a router wait by default to receive an EIGRP packet from its neighbor before declaring the neighbor unreachable?

- 10 seconds
- 15 seconds
- 20 seconds
- 30 seconds

4. Question
Which statement describes a characteristic of the delivery of EIGRP update packets?

- EIGRP uses UDP to send all update packets.
- EIGRP sends all update packets via unicast.
- EIGRP sends all update packets via multicast.
- EIGRP uses a reliable delivery protocol to send all update packets.

5. Question
Which two EIGRP packet types are sent with unreliable delivery? (Choose two.)

- update
- query
- hello
- reply
- acknowledgment

6. Question
Which destination MAC address is used when a multicast EIGRP packet is encapsulated into an Ethernet frame?

- 01-00-5E-00-00-09
- 01-00-5E-00-00-10
- 01-00-5E-00-00-0A
- 01-00-5E-00-00-0B

7. Question
What is identified within the opcode of an EIGRP packet header?

- the EIGRP message type that is being sent or received from a neighbor
- the EIGRP autonomous system metrics
- the EIGRP hold timer agreed upon with a neighbor
- the EIGRP sum of delays from source to destination

8. Question
An administrator issues the router eigrp 100 command on a router. What is the number 100 used for?

- as the autonomous system number
- as the number of neighbors supported by this router
- as the length of time this router will wait to hear hello packets from a neighbor
- as the maximum bandwidth of the fastest interface on the router

9. Question
Why would a network administrator use a wildcard mask in the network command when configuring a router to use EIGRP?

- to lower the router overhead
- to send a manual summarization
- to exclude some interfaces from the EIGRP process
- to subnet at the time of the configuration

10. Question
What information does EIGRP maintain within the routing table?

- both successors and feasible successors
- only feasible successors
- adjacent neighbors
- all routes known to the router
- only successors

11. Question
Which table is used by EIGRP to store all routes that are learned from EIGRP neighbors?

- the routing table
- the neighbor table
- the topology table
- the adjacency table

12. Question
Which command or commands must be entered on a serial interface of a Cisco router to restore the bandwidth to the default value of that specific router interface?

bandwidth 1500

shutdown
no shutdown

copy running-config startup-config
reload

no bandwidth

13. Question
Which three metric weights are set to zero by default when costs in EIGRP are being calculated? (Choose three.)

- k1
- k2
- k3
- k4
- k5
- k6

14. Question
A new network administrator has been asked to verify the metrics that are used by EIGRP on a Cisco device. Which two EIGRP metrics are measured by using static values on a Cisco device? (Choose two.)

- bandwidth
- load
- reliability
- delay
- MTU

15. Question
Refer to the exhibit. Which two networks contain feasible successors? (Choose two.)

```
R4#show ip eigrp topology all-links
IP-EIGRP Topology Table for AS 54

Codes: P - Passive, A - Active, U - Update, Q - Query, R -Reply,
       r - Reply status

P 192.168.41.0/25, 1 successors, FD is 128256
         via Connected, Loopback0
P 10.44.103.252/30, 1 successors, FD is 2816
         via Connected, GigabitEthernet0/0
P 10.44.104.252/30, 1 successors, FD is 25600256
         via Connected, GigabitEthernet0/1
P 192.168.51.0/25, 1 successors, FD is 130816
         via 10.44.103.253 (130816/128256), GigabitEthernet0/0
         via 10.44.104.253 (25600512/261899), GigabitEthernet0/1
P 10.44.101.252/30, 1 successors, FD is 3072
         via 10.44.103.253 (3072/2816), GigabitEthernet0/0
P 10.44.100.252/30, 1 successors, FD is 3072
         via 10.44.103.253 (3072/2816), GigabitEthernet0/0
         via 10.44.104.253 (25600512/2816), GigabitEthernet0/1
P 192.168.71.0/25, 1 successors, FD is 131072
         via 10.44.103.253 (131072/130816), GigabitEthernet0/0
         via 10.44.104.253 (25728256/128256), GigabitEthernet0/1
```

CCNA3 v6.0 Chapter 6 Exam 003

- 192.168.71.0
- 192.168.51.0
- 10.44.100.252
- 10.44.104.253
- 10.44.101.252

16. Question
A network administrator wants to verify the default delay values for the interfaces on an EIGRP-enabled router. Which command will display these values?

- show ip protocols
- show running-config
- show interfaces
- show ip route

17. Question
Refer to the exhibit. R3 has two possible paths to the 172.16.99.0 network. What is the reported distance of the feasible successor route?

```
R3# show ip eigrp topology
IP-EIGRP Topology Table for AS 5
Codes: P - Passive, A - Active, U - Update, Q - Query, R - Reply,
       r - Reply status, s - sia Status

<output omitted>

P 172.16.99.0/24, 1 successors, FD is 2340608
         via 10.0.0.9 (2340608/2169856), Serial0/1/0
         via 10.0.0.5 (10512128/2816), Serial0/1/1

<output omitted>
```

CCNA3 v6.0 Chapter 6 Exam 002

- 2340608
- 2169856
- 10512128
- 2816

18. Question
Refer to the exhibit. R2 has two possible paths to the 192.168.10.4 network. What would make the alternate route meet the feasibility condition?

```
R2# show ip eigrp topology
EIGRP-IPv4 Topology Table for AS(1)/ID(2.2.2.2)
Codes: P - Passive, A - Active, U - Update, Q - Query, R - Reply,
       r - reply Status, s - sia Status

<output omitted>

P 192.168.10.4/30, 1 successors, FD is 3523840
         via 192.168.10.10 (3523840/2169856), Serial0/0/1
         via 172.16.3.1 (41024000/2169856), Serial0/0/0

<output omitted>
```

CCNA3 v6.0 Chapter 6 Exam 001

- a reported distance less than 3523840
- a reported distance greater than 41024000
- a feasible distance greater than 41024000
- an administrative distance less than 170

19. Question
Which two factors does an EIGRP router use to determine that a route to a remote network meets the feasible condition and is therefore loop-free? (Choose two.)

- the successor route on a neighbor router
- the feasible successor route on the remote router
- the reported distance on a neighbor router
- the administrative distance on the remote router
- the feasible distance on the local router

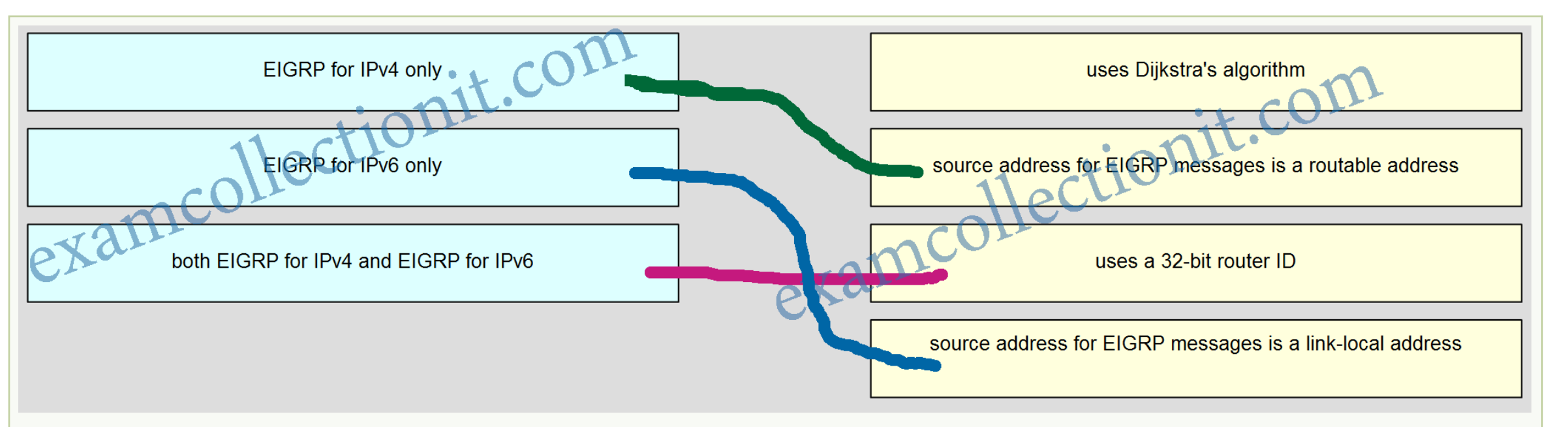
20. Question
Which configuration is necessary to ensure successful operation of EIGRP for IPv6?

- The eigrp router-id command requires an IPv6 address within the router configuration mode.
- The network command is required within the router configuration mode.
- The no shutdown command is required within the router configuration mode.
- The router eigrp autonomous-system command is required within the router configuration mode.

21. Question
Fill in the Blank. Use the abbreviation.
EIGRP uses the protocol RTP **to deliver EIGRP packets to neighbors.**

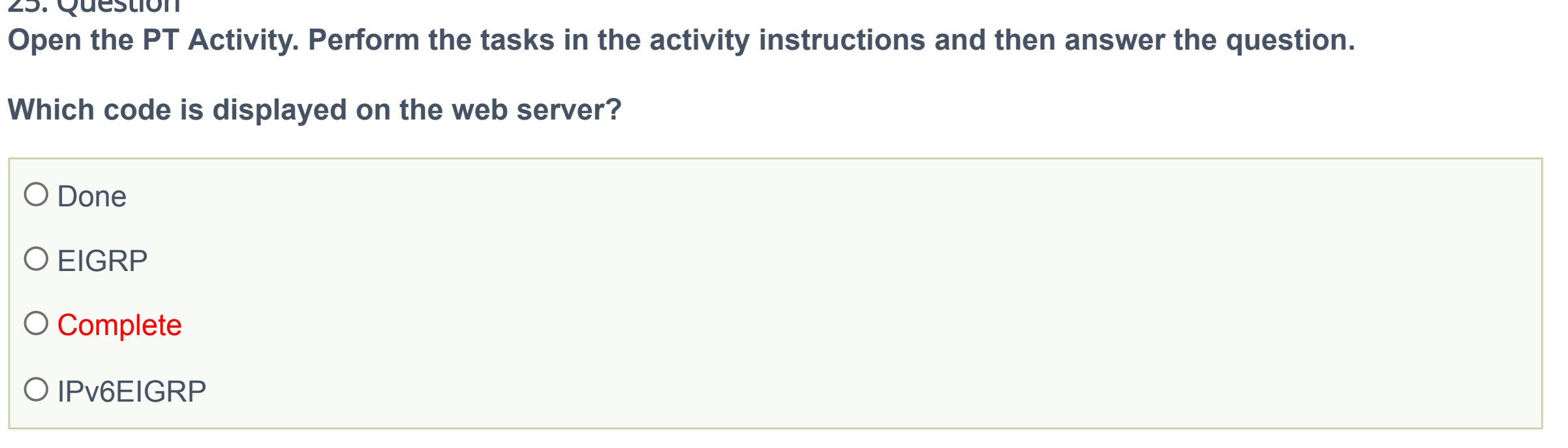
22. Question
Fill in the blank.
In an EIGRP topology table, a route that is in a/an active **state will cause the Diffusing Update Algorithm to send EIGRP queries that ask other routers for a path to this network.**

23. Question
Order the precedence in which an EIGRP router would choose the router ID. (Not all options are used.)



CCNA3 v6.0 Chapter 6 Exam 01

24. Question
Match the correct version of EIGRP with the EIGRP features. (Not all options are used.)



CCNA2 v6.0 Chapter 6 Exam 02

25. Question
Open the PT Activity. Perform the tasks in the activity instructions and then answer the question.

Which code is displayed on the web server?

- Done
- EIGRP
- Complete
- IPv6EIGRP

Categories
Answer – CCNA1 v6.0
Answer – CCNA2 v6.0
Answer – CCNA3 v6.0
Answer – CCNA4 v6.0
IT Essentials – Online-Test
Online Assessment – CCNA1 v6.0
Online Assessment – CCNA2 v6.0
Online Assessment – CCNA3 v6.0
Online Assessment – CCNA4 v6.0
Online Assessment – CCNA2 v6.0
Packet Tracer 7 Download
Uncategorized