CCNP Implementing Cisco IP Routing (ROUTE v2.0)

Cisco 300-101

Version Demo

Total Demo Questions: 10

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Topic Break Down

Topic	No. of Questions
Topic 1, Network Principles	13
Topic 2, Layer 2 Technologies	8
Topic 3, Layer 3 Technologies	34
Topic 4, VPN Technologies	8
Topic 5, Infrastructure Security	9
Topic 6, Infrastructure Services	24
Topic 7, Mix Questions	760
Total	856

QUESTION NO: 1

RIPng _____.

A. Firewall Port block UDP 520

B. Firewall Port block TCP 520

C. Firewall Port block UDP 521

D. Firewall Port block TCP 521

ANSWER: C

Explanation:

QUESTION NO: 2

You want the devices on your network to summarize routes between OSPF areas. Which action must you take?

A. Configure the area range command on the ABR.

B. Configure the summary-address command on the ABR.

C. Configure the area range command on the ASBR.

D. Configure the summary-address command on the ASBR.

ANSWER: D

Explanation:

QUESTION NO: 3

Refer to the exhibit.

```
R1#sh ip bgp

 Network          Next Hop    Metric LocPrf Weight Path
*>i 10.30.2.0/24    10.0.11.1      0    100      0 i
* i 130.0.1.0/24    10.10.10.1     0    100      0 i
* i                 10.30.30.1          0    100      0 i
*>i                 10.20.20.1          0    100      0 i
```

Based on the output, which option is the next hop to get to the 130.0.1.0/24 network?

A. 10.30.30.1

B. 10.0.11.1

C. 10.20.20.1

D. 10.10.10.1

ANSWER: C

Explanation:

This is the BGP routing table. Only the best entry of each prefix (marked with ">") is placed into the routing table. In the output above, the next hop 130.0.1.0/24 network can be reached via three next hops (which are 10.10.10.1; 10.30.30.1 and 10.20.20.1) but only 10.20.20.1 is the best path and is placed into the routing table.

QUESTION NO: 4

Which BGP option is required when load sharing over multiple equal-bandwidth parallel links from a single CE router to a single ISP router over eBGP? Select the best response.

A. eBGP Multipath

B. eBGP Multihop

C. BGP Synchronization

D. Public AS numbers

ANSWER: B

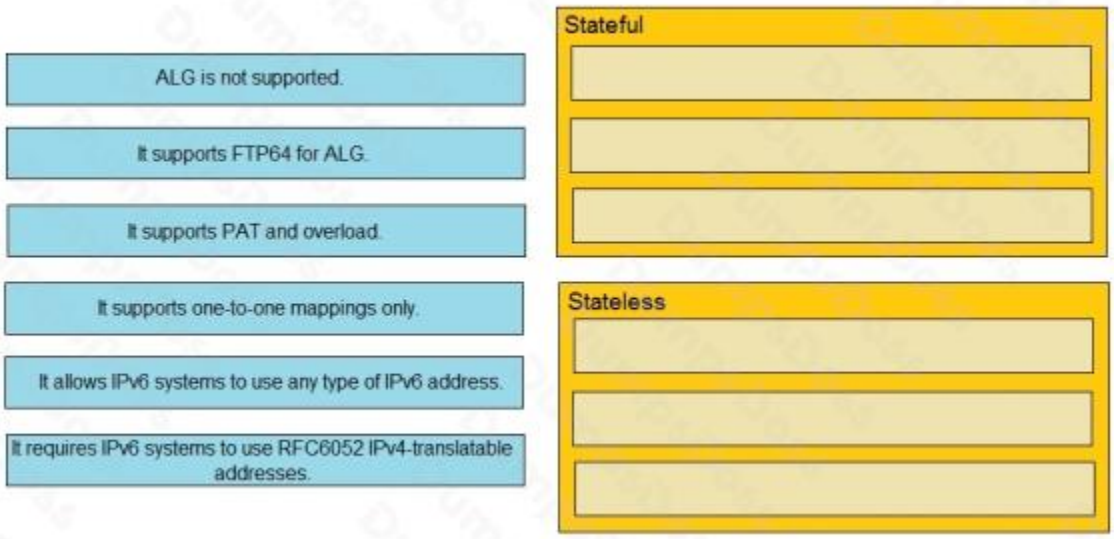
Explanation:

QUESTION NO: 5 - DRAG DROP

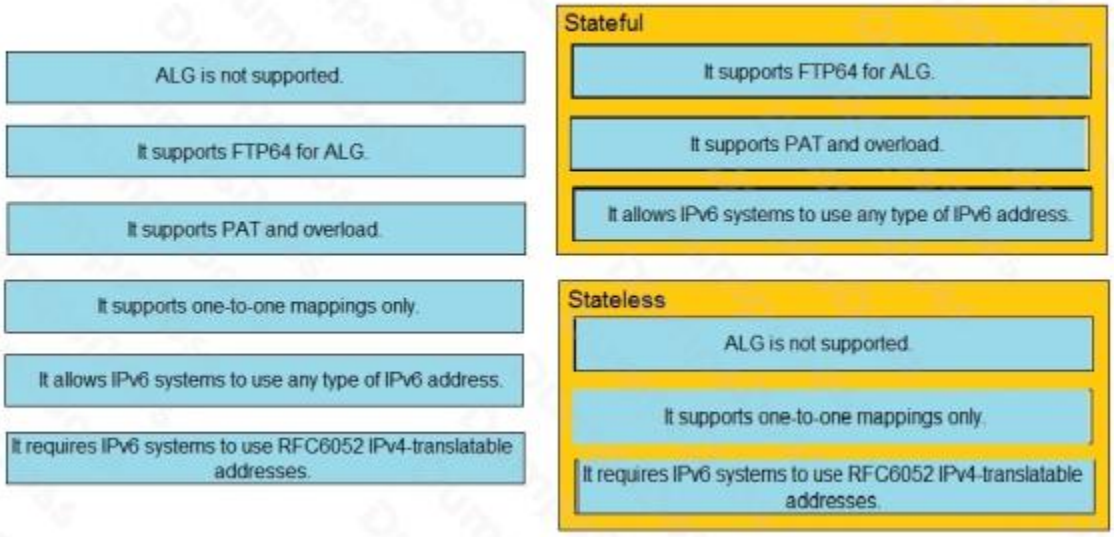
DRAG DROP

Drag and drop the statements about NAT64 from the left onto the correct NAT64 types on the right.

Select and Place:



ANSWER:



Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipaddr_nat/configuration/xe-3s/nat-xe-3s-book/iadnat-statefulnat64.pdf

QUESTION NO: 6

Which two statement about GRE tunnel interface are true? (Choose two.)

A. A tunnel can be established when a source the source interface is in the up/down state

B. A tunnel Destination must be Routable, but it can be unreachable

C. To establish a tunnel the source interface must be a loopback

D. To Establish a tunnel the source interface must be up/up state

E. A tunnel destination must be a physical interface that is on up/up state

ANSWER: BD

Explanation:

Reference:

http://www.cisco.com/c/en/us/support/docs/ip/generic-routing-encapsulation-gre/118361-technote-gre-00.html

QUESTION NO: 7

A network engineer is migrating an IPv4 point-to multipoint Frame Relay network to IPv6. Which IPv6 address type must be used in a Frame Relay map configuration command to ensure that the OSPF protocol still works after migration?

A. unique-local

B. link-local

C. global

D. site-local

E. multicast

ANSWER: B

Explanation:

QUESTION NO: 8

Which algorithm is used by EIGRP to determine the best path through a network?

A. DUAL

B. Dijkstra

C. SPF

D. A* Search

ANSWER: A

Explanation:

QUESTION NO: 9

Which command do you enter on router R6 so that BGP supports multiple protocols?

A. R6(config-router)#no bgp default ipv4-unicast

B. R6(config-router-af)# bgp additional-paths install

C. R6(config-router)#bgp default ipv4-multicast

D. R6(config-router-af)#no bgp default ipv4-multicast

E. R6(config-router)#no address-family ipv4 unicast

ANSWER: A

Explanation:

QUESTION NO: 10

Which option can you use to monitor voice traffic when configuring an IP SLA?

A. udp-jitter

B. tcp-jitter

C. ip sla logging traps

D. ip sla reaction-configuration

ANSWER: A

Explanation: