642-902^{Q&As}

Implementing cisco ip routing

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QUESTION 1

How is the configuration of a totally stubby area different from that of a stub area?

A. The totally stubby area requires the no-summary command on the ABR.

B. The totally stubby area requires the totally stubby command on the ABR.

C. The no-summary command should be included on all routers within the totally stubby area.

D. The totally stubby command should be included on all routers within the totally stubby area.

E. The totally stubby area requires the no-summary command on the ASBR.

Correct Answer: A

Reference: http://www.cisco.com/en/US/tech/tk365/technologies_tech_note09186a0080094a74.shtml

QUESTION 2

A network administrator is troubleshooting a redistribution of RIP routes into OSPF. Given the exhibited configuration commands, which statement is true?

```
router rip
    network 10.0.0.0
!
router ospf 5
network 172.10.0.0 0.0.255.255 area 0
    redistribute rip
```

A. Redistributed routes will be tagged as external type 1 (E1) with a metric of 30.

B. Redistributed routes will be tagged as external type 2 (E2) with a metric of 20.

C. Redistributed routes will maintain their original RIP routing metric.

D. Redistributed routes will have a default metric of 0 and will be treated as unreachable and not advertised.

E. Redistributed routes will have a default metric of 0 but will not be treated as reachable and will be advertised.

Correct Answer: B

By default, all routes redistributed into OSPF will be tagged as external type 2 (E2) with a metric of 20, except for BGP routes (with a metric of 1).

Note: The cost of a type 2 route is always the external cost, irrespective of the interior cost to reach that route. A type 1 cost is the addition of the external cost and the internal cost used to reach that route.

QUESTION 3

Which configuration command is used to enable EIGRP unequal-cost path load balancing?

A. maximum-paths

B. distance

C. metric

D. variance

E. default-metric

Correct Answer: D

Reference:

http://www.cisco.com/en/US/tech/tk365/technologies_tech_note09186a008009437d.shtml (See traffic sharing http://networkninja.co.za/page/2/?s=bothaandcat=plus-5-results

QUESTION 4

Click and drag the correct techniques for transitioning networks or devices from IPv6 from the left to the target zone on the right.
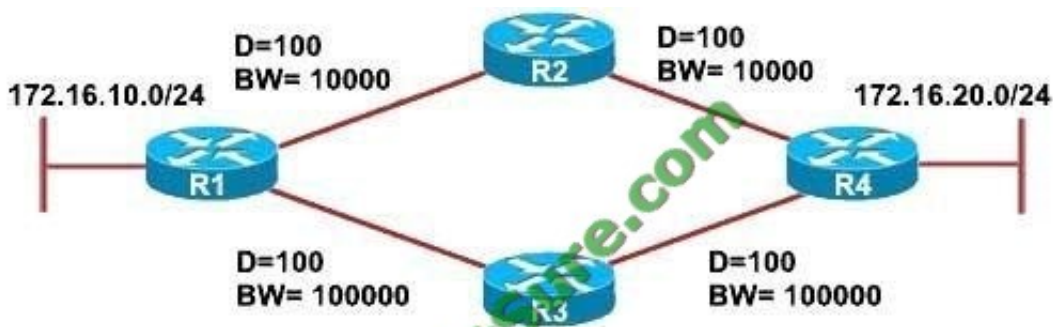
Select and Place:

Click and drag the correct techniques for transitioning networks or devices from IPv4 to IPv6 from the left to the target zone on the right.

NAT-PT	IPv4 to IPv6 Transition Methods
6to4 tunnels	
GRE tunnels	
route tagging	
IPsec tunnels	
ISATAP tunnels	

Correct Answer:

Click and drag the correct techniques for transitioning networks or devices from IPv4 to IPv6 from the left to the target zone on the right.

IPv4 to IPv6 Transition Methods
NAT-PT
6to4 tunnels
GRE tunnels
ISATAP tunnels

route tagging

IPsec tunnels

QUESTION 5

Refer to the exhibit.

D=100
BW= 10000
R2
D=100
BW= 10000

172.16.10.0/24
172.16.20.0/24

R1
R4

D=100
BW= 100000
R3
D=100
BW= 100000

Implementation Plan
1. Establish a traffic throughput baseline
2. Configure variance on R1 and R4
3. Use traceroute to validate load balancing has been activate
4. Establish a new traffic throghput baseline
5. Compare the new and old baselines and verify that load
   balancing is implemented as desired.

ROUTE.com is planning to implement load balancing for traffic between hosts on the 172.16.10.0/24 and 172.16.20./24 networks. You have been asked to review the implementation plan for this project. Which statement about the plan is true?

A. It is complete as written.

B. It should include a task to configure EIGRP multipath equal to 2 on R1 and R4.

C. It should include a task to implement OSPF because it handles unequal cost load balancing most efficiently using variance.

D. It should include a task that establishes a baseline before and after the configuration has been changed.

Correct Answer: A

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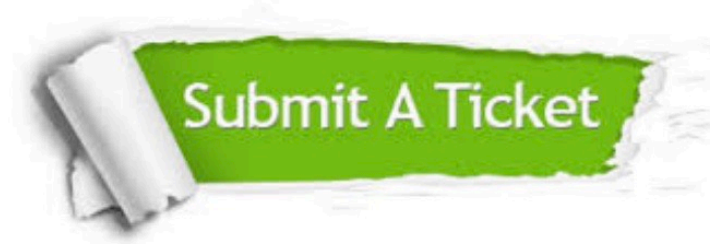
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