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Interconnecting Cisco Networking Devices Part 1 (ICND1)

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QUESTION 1

Drag and Drop Question

Drag and drop the values in a routing table from the left onto the correct meanings on the right .

Select and Place:

administrative distance		code that indicates the method by which the router learned the route
destination network		value used by the router to determine the preferred route
metric		indicator of the trustworthiness of the route
next hop		network to which the router forwards packets on the associated route
route source		remote network address

Correct Answer:

		metric
		route source
		administrative distance
		destination network
		next hop

QUESTION 2

Refer to the exhibit.

```
R1
interface FastEthernet0/0
    ip address 172.16.10.1 255.255.255.224

interface FastEthernet0/1
    ip address 172.16.10.33 255.255.255.240

router rip
    network 172.16.0.0.
    no auto-summary
```

After you apply the given configuration to R1, you determine that it is failing to advertise the 172.16.10.32/27 network. Which action most likely to correct the problem?

A. Enable passive interface

B. Enable RIPv2

C. Enable manual summarization

D. Enable autosummarization.

Correct Answer: B

QUESTION 3

On a Cisco switch, which protocol determines if an attached VoIP phone is from Cisco or from another vendor?

A. CDP

B. RTP

C. UDP

D. TCP

Correct Answer: A

The Cisco Unified IP Phone uses CDP to communicate information such as auxiliary VLAN ID, per port power management details, and Quality of Service (QoS) configuration information with the Cisco Catalyst switch.

QUESTION 4

A router has learned three possible routes that could be used to reach a destination network. One route is from EIGRP and has a composite metric of 20514560. Another route is from OSPF with a metric of 782. The last is from RIPv2 and has a metric of 4. Which route or routes will the router install in the routing table?

A. the OSPF route

B. the EIGRP route

C. the RIPv2 route

D. all three routes

E. the OSPF and RIPv2 routes

Correct Answer: B

When one route is advertised by more than one routing protocol, the router will choose to use the routing protocol which has lowest Administrative Distance. The Administrative Distances of popular routing protocols are listed below:

Route Source	Administrative Distance
Directly Connected	0
Static	1
EIGRP	90
EIGRP Summary route	5
OSPF	110
RIP	120

QUESTION 5

DRAG DROP

Drag and drop the descriptions of static routing or dynamic routing from the left onto the correct categories on the right.

Select and Place:

Dynamic

able to use different routes depending on the current network topology

allows for highly secure routing updates

always uses the same route to the same destination

efficient as the network grows

inefficient as the network grows

Static

less secure than other options for routing updates

Correct Answer:

Dynamic

efficient as the network grows

less secure than other options for routing updates

able to use different routes depending on the current network topology

Static

allows for highly secure routing updates

inefficient as the network grows

always uses the same route to the same destination

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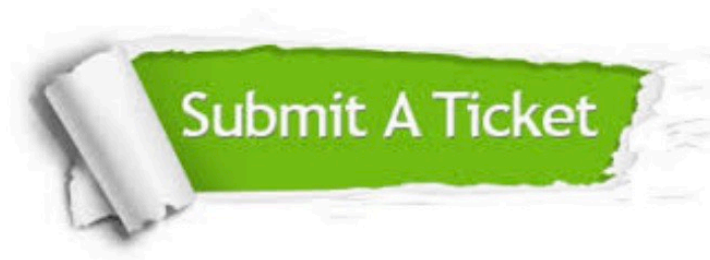
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