Exam Code: HP0-Y12

Exam Name: Building ProCurve Resilient, Adaptive

Networks

Vendor: HP

Version: DEMO

Part: A

1: When does a router use administrative distance to determine which route to include in its route table?

A.when the router learned about multiple routes with equal-cost paths to the same destination

B.when the router learned about multiple routes to the same destination from different sources using the same routing protocol

C.when the router learned about multiple routes to the same destination from different routing protocols or static configuration

D.when the router is configured with static routes to the same destination that specify the same cost but different next hop router interfaces

Correct Answers: C

2: What is an advantage of locating routing intelligence at the edge of an enterprise network instead of in the core?

A.The edge-oriented strategy requires fewer VLANs and networks.

B.The edge-oriented strategy supports VRRP and other protocols for default gateway redundancy.

C.The edge-oriented strategy enables ACLs and other traffic filters to be applied before traffic traverses any part of the network.

D.The edge-oriented strategy simplifies summarization because each router must support VLANs only for directly connected users.

Correct Answers: C

3: What is the difference between administrative distance and cost?

A.Administrative distance is applied only to routes learned through OSPF. Cost applies to RIP routes as well as OSPF routes.

B.Administrative distance indicates the distance to remote networks learned through routing protocols. Cost applies static routes and directly connected networks.

C.Administrative distance is determined solely through interactions among routers that share a routing protocol. Cost can be defined by the administrator of each router.

D.Administrative distance is a locally significant value that can be used to break ties between routes learned from different sources. Cost is a cumulative metric that indicates the number of hops to a remote network.

Correct Answers: D

4: By default, what type of route is redistributed in RIP updates by ProCurve ProVision ASIC switches?

A.static

B.default

C.OSPF

D.connected

Correct Answers: D

5: What are the advantages of implementing IP routing technologies at the network edge? (Select

two.)

A.provide per-user QoS

B.decrease the load on network core

C.eliminate the need for routing protocols

D.create smaller, localized broadcast domains

E.enhance support for default gateway redundancy

Correct Answers: B D

6: You enter the following command at the CLI of a ProCurve Switch 3500yl:

3500yl(config)#ip route 22.0.0.0/8 172.16.100.100

However, when you enter show ip route to confirm your entry, no route to 22.0.0.0/8 appears in the route table. Which statement explains this condition?

A.The interface connected to 172.16.100.100 is down.

B.The switch has learned another route to 22.0.0.0/8 through OSPF.

C.The route table already includes a default route using 172.16.100.100.

D.The switch has not been configured with an IP address of 172.16.100.100.

Correct Answers: A

7: Which condition is necessary to enable a group of networks to be auto-summarized by a ProCurve Switch 3500yl?

A.The address ranges to be summarized must be within different OSPF areas.

B.The address ranges to be summarized must be within a classful network boundary.

C.The address ranges to be summarized must be directly connected to a neighbor router.

D.The address ranges to be summarized must be accessible through a neighbor router interface.

Correct Answers: B

8: You must design an IP addressing scheme for a network that must support 16 different types of users, each with different resource and security requirements. What is an advantage of ensuring that the number of networks assigned to each type of user is a power of 2?

A.It enables automatic summarization at classful boundaries.

B.It minimizes the number of VLANs required to support each type of user.

C.It ensures that an adequate number of IP addresses will be available for each type of user.

D.It simplifies summarization because all networks for each type of user can be summarized in a single routing statement.

Correct Answers: D

9: What is a difference between voice traffic and video traffic?

A.Voice traffic is typically more difficult to route than streaming video traffic.

B.Voice traffic is typically more sensitive to delay than streaming video traffic.

C.Voice traffic is typically less sensitive to jitter than streaming video traffic.

D.Voice traffic is typically more bandwidth-intensive than streaming video traffic.

Correct Answers: B

10: While analyzing network traffic, you notice that many packets have an 802.1p value of 0. On a

ProCurve switch with default QoS settings, what does this indicate?

A.No prioritization settings are in effect on the network.

B.The traffic will be mapped to the normal priority queue.

C.The network relies on Layer 3 classification technologies

D.The network is not using the default settings on ProCurve switches.

Correct Answers: B