Vendor: Huawei

Exam Code:H12-221

Exam Name:HCIP-Routing & Switching-IERS V2.5

Version: Demo

QUESTION 1

What are the advantages of subnetting? (Select 2 answers)

A. Isolating broadcast traffic

B. Improving network QoS

C. Increasing the IP address usage

D. Improving network reliability

Correct Answer: AC

QUESTION 2

A Router ID is optional in the OSPF configuration.

A. TRUE

B. FALSE

Correct Answer: B

QUESTION 3

In VRP, by default, the routes injected into the BGP are not automatically summarize:

A. TRUE

B. FALSE

Correct Answer: A

QUESTION 4

Which of the following route selection tools is used in multiple routing protocols, can be configured with match conditions, and consists of if-match and apply clauses?

A. AS-path-filter

B. IP-prefix

C. Route-policy

D. Community-filter

Correct Answer: C

QUESTION 5

The process of determining the shortest path can be divided into two phases: determine transit node first, and then determine the stub network.

A. TRUE

B. FALSE

Correct Answer: B

QUESTION 6

Which of the following situations will occur when the command "multicast bad balance" is configured? (Select 3 answers)

A. If there exists no unicast equal-cost routes, multicast load balancing fails.

B. If group address-based load splitting is employed, balanced distribution of entries over equal- cost routes cannot be ensured due to hash function limitations.

C. Balanced distribution of entries over equal-cost routes can be ensured as long as multicast load balancing is performed.

D. During multicast load splitting, traffic may not be balanced among equal-cost routesbecause multicast load balancing is based on multicast entries not multicast data packets.

Correct Answer: ABD

QUESTION 7

Which of the following BGP attributes are optional in a BGP Update packet? (Select 2 answers)

A. Origin

B. Nexthop

C. Local-Preference

D. MED

Correct Answer: CD

QUESTION 8

Assume that the subnet mask is 255.255.255.248. Which of the following are valid host addresses? (Select 3 answers)

A. 192.168.200.87

B. 196.123.142.190

C. 223.168.210.100

D. 220.100.100.154

Correct Answer: BCD

QUESTION 9

How does an IGMP router maintain group memberships on a network? (Select 2 answers)

A. The router maintains a timer for each group membership which it refreshes for hosts that send report messages and deletes the group membership of hosts that do not.

B. The router periodically sends Query messages. After a receiver host receives the Query message, the receiver host sends a Report message.

C. A receiver host periodically sends a Report message.

D. The router deletes a group membership only when it receives a Leave message for this group.

Correct Answer: AB

QUESTION 10

Which of the following statements is false?

A. A Router-LSA describes the local link state information of a router.

B. A Network-LSA describes the link state information of a broadcast network or an NBMA network segment.

C. A virtual link is a virtual adjacency in the backbone area (Area 0).

D. An AS-external-LSA describes the means to reach an ASBR.

Correct Answer: D

QUESTION 11

ABR of a Stub area does not flood Type-5 and Type-4 LSAs into the area. Therefore, the Stub area does not have the external AS routing capability. ABRs of the Stub area generate a default route into the area which enables packet forwarding to external destinations.

A. TRUE

B. FALSE

Correct Answer: A

QUESTION 12

A company has four departments. Department A has SO PCs, Departments B and C both have 20 PCs, and Department D has 30 PCs. Assuming the IP address 192.168.1.0/x is used, which of the following statements are true if the VLSM technology is employed for subnetting? (Select 2 answers)

A. Plan subnet 192.168.1.0/25 for Department A. The range of host addresses is 1 to 126.

B. Plan subnet 192.168.1.128/27 for Department B. The range of host addresses is 129 to 159.

C. Plan subnet 192.168.1.160/27 for Department C. The range of host addresses is 161 to 190.

D. Plan subnet 192.168.1.192/27 for Department D. The range of host addresses is 192 to 222.

Correct Answer: AC