



H12-221^{Q&As}

HCIP-Routing & Switching-IERS V2.5

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QUESTION 1

What is the network address for the IP address 190.233.27.13/16?

- A. 190.0.0.0
- B. 190.233.0.0
- C. 190.233.27.0
- D. 190.233.27.1

Correct Answer: B

QUESTION 2

The ABR in a Totally Stubby area will not advertise Type-3, Type-4, and Type-5 LSAs into the Totally Stubby area. Instead, the ABR will advertise a default route to the Totally Stubby area enabling packet forwarding to other destinations.

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 3

Which of the following LSAs are flooded within a single area? (Select 3 answers)

- A. The Router LSAs
- B. The Network LSAs
- C. The Summary LSAs
- D. The AS external LSAs

Correct Answer: ABC

QUESTION 4

Policy-based routing and routing policies implements the forwarding of data packets in different ways: A routing policy mainly controls packet forwarding. According to the routing policy, packets can be forwarded without a routing table; Policy-based routing mainly controls the importing, advertising, and receiving of routing information.

- A. TRUE
- B. FALSE



Correct Answer: B

QUESTION 5

Which of the following statements regarding ACL type are true? (Select 3 answers)

- A. ACL consists of basic ACL, advanced ACL and interface-based ACL
- B. ACL ranging from 2000 to 2999 belongs to advanced ACL
- C. ACL ranging from 3000 to 3999 belongs to advanced ACL
- D. Advanced ACL can be used to match either destination address or source address

Correct Answer: ACD

QUESTION 6

How many bits of the MAC address space is available for mapping IP multicast addresses?

- A. 24
- B. 22
- C. 25
- D. 23

Correct Answer: D

QUESTION 7

The ABR of an NSSA does not advertise Type-4 and Type-5 LSAs to an NSSA instead it imports external routes into the NSSA,

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 8

How many hosts can the network 154.27.0.0 support, if not subnetted?

- A. 254
- B. 1024



C. 65,534

D. 16,777,206

Correct Answer: C

QUESTION 9

Which of the following statements is false? [RTA]display ospf peer OSPF Process 1 with Router ID 1.1.1.1

Neighbors Area 0.0.0.0 interface 10.1.1.1(Ethernet0/0)\s neighbor(s) RouterID: 2.2.2.2 Address: 10.1.1.2 State: Full Mode: Nbr is Master Priority: 1 DR: 10.1.1.1 BDR: 10.1.1.2 Dead timer expires in 35s Neighbor has been up for 04:35:02

A. The OSPF Router ID of the local router is 1.1.1.1.

B. The OSPF Router ID of the neighbor is 2.2.2.2.

C. The OSPF Router ID of the neighbor is larger and thus the neighbor acts as a DR.

D. The local router acts as slave.

Correct Answer: C

QUESTION 10

Which of the following subnet masks can be used to divide a Class C network into 5 subnets, with each subnet containing a maximum of 20 hosts?

A. 255.255.255.192

B. 255.255.255.240

C. 255.255.255.224

D. 255.255.255.248

Correct Answer: C

QUESTION 11

Which statement regarding BGP is false?

A. BGP runs over TCP.

B. BGP is an enhanced distance-vector routing protocol.

C. BGP uses port number 189.

D. BGP is an inter-AS routing protocol.



Correct Answer: C

QUESTION 12

A company has four departments. Department A has 50 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

QUESTION 13

Which of the following statements are correct regarding OSPF intra-area route calculation? (Select 2 answers)

- A. Each OSPF router uses only one Router LSA to describe the local active link state for an area.
- B. Each OSPF router uses more than one Router LSA to describe local active link state for an area.
- C. One Router LSA describes only one link,
- D. One Router LSA describes more than one link.

Correct Answer: AD

QUESTION 14

Which of the following route entries matches ACL 2001 that is defined below?

1.0.0.0/8,1.2.0.0/16,1.2.3.0/24,1.2.4.0/24,1.2.5.0/24, 1.2.6.0/24,1.2.7.0/24,1.2.8.0/24 ACL 2001 Basic ACL 2001,1 rule Ad\\'s step is 5 rule 0 permit source 1.2.0.0 0.0.254.255

- A. 1.2.3.0/24,1.2.4.0/24, 1.2.5.0/24, 1.2.6.0/24,1.2.7.0/24,1.2.8.0/24
- B. 1.0.0.0/8 ,1.2.0.0/16,1.2.3.0/24,1.2.4.0/24,1.2.5.0/24, 1.2.6.0/24,1.2.7.0/24,1.2.8.0/24
- C. 1.2.3.0/24,1.2.5.0/24,1.2.7.0/24
- D. 1.2.0.0/16,1.2.4.0/24,1.2.6.0/24,1.2.8.0/24

Correct Answer: D

QUESTION 15



If there are two BGP routes with the same destination address but different next hops in a BGP routing table, then which statement regarding the two BGP routes is true?

- A. Both BGP routes are advertised to other BGP peers.
- B. Only the optimal route between the two is advertised to other BGP peers.

Correct Answer: B

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