1. (Single) Which of the following information is not included in the routing table?（ A ）
2. Source address
3. Destination address
4. Outbound interface
5. Next hop
6. (Single) If a device discovers the route to 10.0.0.0/30 using both the dynamic routing protocol OSPF and static routing protocol, which of the following situations occurs?（ A ）
7. Add the routes discovered by OSPF to the routing table.
8. Add the routes discovered by static routes to the routing table.
9. Add the two types of discovered routes to the routing table.
10. Neither of them is added to the routing table.
11. (Multiple) When a router receives a packet with the destination address 10.1.1.1, which of the following entries can match the destination address?（ ABC ）
12. 0.0.0.0/0
13. 10.1.1.0/24
14. 10.1.1.0/30
15. 10.1.1.4/30
16. (True or False) If a device learns the route with the mask of 10.1.1.0/24 through OSPF and the route with the mask of 10.1.1.0/30 through a static route, the router adds the two routes to the routing table.（ A ）
17. True
18. False
19. (True or False) OSPF and IS-IS are both internal gateway protocols and link-state protocols.（ A ）
20. True
21. False
22. How does a router select the optimal route?

A: The router first compares preferences of routes. The route with the lowest preference value is selected as the optimal route. If the routes have the same preferences, the router compares their metrics. If the routes have the same metric, they are installed in the IP routing table as equal-cost routes.

1. How do I configure a floating route?

A: To configure a floating route, configure a static route with the same destination network segment and mask as the primary route but a different next hop and a larger preference value.

1. What is the summary route for routes to 10.1.1.0/24, 10.1.3.0/24, and 10.1.9.0/24?

A: The summary route is 10.1.0.0/20.