

Design and Selecting Routing Protocols Exam

1. Which of the different routing protocol types is also referred to as "routing by rumor"?

⇒ **Distance Vector Routing Protocols**

2. When using RIP version 2, what is the maximum reachable hop count allowed?

⇒ **15 Hops**

3. Which of the available routing protocols uses inter-AS?

⇒ **BGP (Border Gateway Protocol)**

4. _____ routing means that the protocol only sends information about advertised networks along major class network boundaries.

⇒ **Classful**

5. Which routing protocol is Cisco proprietary and is considered to be a hybrid protocol with features of both distance vector and link-state protocols?

⇒ **EIGRP (Enhanced Interior Gateway Routing Protocol)**

6. When implementing an OSPF network, there must always be a central area called the _____ that is also Area _____.

⇒ **Backbone Area, Area 0**

7. When implementing an IPv6 network, what are the names and versions of the RIP, OSPF, and EIGRP routing protocols that need to be considered?

⇒ **RIPng (RIP Next Generation), OSPFv3, EIGRP for IPv6**

8. Which of the possible routing protocols are recommended to be used at the campus core?

⇒ **OSPF or EIGRP**

9. What is the name of the method for integrating the routes from one routing protocol to another?

⇒ **Route redistribution**

10. At which of the hierarchical design layers is it recommended to use route summarization?

⇒ **Distribution Layer**