**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**

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

* **15 Hops**

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

* **BGP (Border Gateway Protocol)**

1. \_\_\_\_\_\_\_\_\_\_ routing means that the protocol only sends information about advertised networks along major class network boundaries.

* **Classful**

1. 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)**

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

* **Backbone Area, Area 0**

1. 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**

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

* **OSPF or EIGRP**

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

* **Route redistribution**

1. At which of the hierarchial design layers is it recommended to use routes summarizzation?

* **Distribution Layer**