

1 Routing inside an autonomous system is referred to as _____ routing.

- A) interdomain
- B) intradomain**
- C) out-of-domain
- D) None of the choices are correct

2 Routing between autonomous systems is referred to as _____ routing.

- A) interdomain routing**
- B) intradomain routing
- C) out-of-domain
- D) None of the choices are correct

3 In _____ routing, the least cost route between any two nodes is the route with the minimum distance.

- A) path vector
- B) distance vector**
- C) link state
- D) None of the choices are correct

4 In _____, each node maintains a vector (table) of minimum distances to every node.

- A) path vector
- B) distance vector**
- C) link state
- D) None of the choices are correct

5 In distance vector routing, each node periodically shares its routing table with _____ and whenever there is a change.

- A) every other node
- B) its immediate neighbors**
- C) one neighbor
- D) None of the choices are correct

6 The Routing Information Protocol (RIP) is an intradomain routing based on _____ routing.

- A) distance vector
- B) link state
- C) path vector
- D) None of the choices are correct

7 The metric used by _____ is the hop count.

- A) OSPF
- B) RIP
- C) BGP
- D) None of the choices are correct

8 In RIP, the _____ timer controls the advertising of regular update messages.

- A) garbage collection
- B) expiration
- C) periodic
- D) None of the choices are correct

9 In RIP, the _____ timer is used to purge invalid routes from the table.

- A) garbage collection
- B) expiration
- C) periodic
- D) None of the choices are correct

10 In RIP, the _____ timer controls the validity of the route.

- A) garbage collection
- B) expiration
- C) periodic
- D) None of the choices are correct

11 RIP uses the services of _____.

A) TCP

B) UDP

C) IP

D) None of the choices are correct

12 The _____ routing uses the Dijkstra algorithm to build a routing table.

A) distance vector

B) link state

C) path vector

D) None of the choices are correct

13 The Open Shortest Path First (OSPF) protocol is an intradomain routing protocol based on _____ routing.

A) distance vector

B) link state

C) path vector

D) None of the choices are correct

14 The _____ protocol allows the administrator to assign a cost, called the metric, to each route.

A) OSPF

B) RIP

C) BGP

D) None of the choices are correct

15 In OSPF, a _____ link connects two routers without any other host or router in between.

A) point-to-point

B) transient

C) stub

D) None of the choices are correct

16 In OSPF, a _____ link is a network with several routers attached to it.

A) point-to-point

B) transient

C) stub

D) None of the choices are correct

17 In OSPF, a _____ link is a network connected to only one router.

A) point-to-point

B) transient

C) stub

D) None of the choices are correct

18 In OSPF, a _____ defines the links of a network.

A) network link

B) router link

C) summary link to network

D) None of the choices are correct

19 _____ is an interdomain routing protocol using path vector routing.

A) BGP

B) RIP

C) OSPF

D) None of the choices are correct