1. For the purpose of routing ,the internet is divided into

a) Wide area network

b) Metropolitan area network

c )autonomous network

**d)autonomous system**

2.\_\_\_\_\_\_\_\_\_\_\_\_is a group of networks and routes under the authority of a single administration

**a)an autonomous system**

b)an area

c)router

d)pathway

3.In \_\_\_\_\_\_\_\_\_\_\_routing , the least cost route between any two routes is the route with minimum distance

a)path vector

b)link state

**c)distance vector**

d)path routing

4.In link state ,the updating packet conveys the knowledge of the router about

a)the whole internetwork

**b)the neighbourhood**

c)next internetwork

d)simple network

5.The calculation time for the distance vector routing algorithm is \_\_\_\_\_\_\_\_\_\_\_\_the one for the link state routing

a)more than

**b)less than**

c)equal to

d)more or less e

6.In ……. routing the least cost route between any two nodes is the minimum distance.  
A. path vector  
B. **distance vector**  
C. link state  
D. switching qual

7. Which of the following produces high traffic network?  
A. Variable routing  
**B. Flooding**  
C. Fixed routing  
D. Random routing

8. 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 above

9.In unicast routing, each router in the domain has a table that defines a \_\_\_\_\_\_ path tree to possible destinations.

A) average

B) longest

**C) shortest**

D) none of the above

10.A one-to-one communication between one source and one destination is classified as a \_\_\_\_\_\_\_ communication.

A) unicast

B) multicast

C) broadcast

D) none of the above

11.The Dijikstras algorithm is used in \_\_\_\_\_\_\_\_\_\_\_\_\_\_routing to find the shortest path tree

a)Distance vector

**b)link state**

c)path vector

d)flooding

12.In distance vector routing,each node periodically shares its routing table with and wherever ther is change

a)every other node

**b)its immediate neighbour**

c)all of its neighbour

d)one of its neighbour

13.In \_\_\_\_\_\_\_\_\_\_\_routing,we assume that there is one node(or more)in each autonomous system that acts on behalf of the entire autonomous system

a)distance vector

**b)path vector**

c)link state

d)link route

14.\_\_\_\_\_\_\_\_\_\_ broadcasts packets, but creates loops in the systems

a)Forwarding

**b)Flooding**

c)Back warding

d)packetizing

15.In the Dijikstras algorithm the shortest path has \_\_\_\_\_\_\_\_loops

**a)no**

b)only one

c)unlimited number of

d)exactly two