**Module 3 QP**

1. What is the format of IPv4 header? Describe the significance of each field
2. With an example explain the Dynamic routing algorithms used in computer networks.
3. What is the difference between Broadcasting and Multicasting?
4. Explain Distance Vector routing algorithm with an example.
5. Explain the shortest path routing algorithm with an example.
6. Discuss the internetworking of network layer in internet.
7. What is the significance of The Network layer in the internet
8. Describe Optimality Principle for Routing
9. Write about various classes of IP addresses.
10. Distinguish between IPV4 vs IPv6 Protocol.
11. What is the format of IPv6 header? Describe the significance of each field
12. What is Subnetting.
13. What is Network Address Translation (NAT).
14. Explain Link state routing.