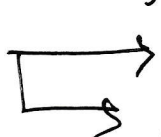


Module-3 Networks layer Q.B.

1. Explain Services provided by Network layer.
2. Explain Datagram Approach: Connection less Services using diagram.
3. Explain Virtual Circuit Approach: Connection Oriented Services with a neat diagram. (explain All phases)
4. Explain IPV4 & IPV6 Addressing Techniques.
5. A classless Address is given as
 $167.199.170.82/27$
find the i> no of addresses ii> last addresses
iii> first address.
using  normal approach
& Address mask approach.
6. With a neat diagram explain Operation of DHCP.
7. Using One IP Address method explain NAT
8. Explain following Routing Algorithms
i> Least cost Routing (LCR)
ii> Distance Vector
iii> Link state Routing
iv> Path vector routing.

9. Explain Different types of Autonomous System.
10. How shortest path will be found out using Routing Information protocol (RIP)
12. Explain Open Shortest Path First (OSPF) protocol with an examples & diagram.
12. With neat diagram of flow explain Route selection procedure in Border Gateway Protocol (BGP4)
13. Explain BGP4 protocol & messages.