



**UNIT-III**

S.No	Questions	BT	CO	PO
<b>Part – A (Short Answer Questions)</b>				
1	Define logical addressing.	L1	CO3	PO1
2	What is internetworking?	L1	CO3	PO1
3	What is tunneling in networking?	L1	CO3	PO1
4	Define ARP and RARP.	L1	CO3	PO1
5	What is ICMP used for?	L2	CO3	PO1
6	Define IGMP and its purpose.	L1	CO3	PO1
7	What is packet forwarding?	L1	CO3	PO1
8	Differentiate unicast and multicast.	L1	CO3	PO1
9	List any two unicast routing algorithms.	L1	CO3	PO1
10	What is the purpose of multicast routing protocols?	L1	CO3	PO1

**Part – B (Long Answer Questions)**

11	a)	Explain the concept of logical addressing. Describe the IPv4 address format	L2	CO3	PO1, PO2
	b)	Explain internetworking and its need.	L2	CO3	PO1, PO2
12	a)	Describe tunneling mechanism.	L2	CO3	PO1, PO2
	b)	Discuss table-driven and destination-based forwarding.	L3	CO3	PO1, PO2
13	a)	Compare unicast, multicast, and broadcast.	L2	CO3	PO1, PO2
	b)	Describe the structure and functions of network layer.	L3	CO3	PO1, PO2
14	a)	Explain fragmentation and reassembly.	L2	CO3	PO1, PO2
	b)	Explain routing algorithms.	L3	CO3	PO1, PO2
15	a)	Describe subnetting and supernetting.	L2	CO3	PO1, PO2
	b)	Discuss mobile IP and tunneling concepts.	L2	CO3	PO1, PO2