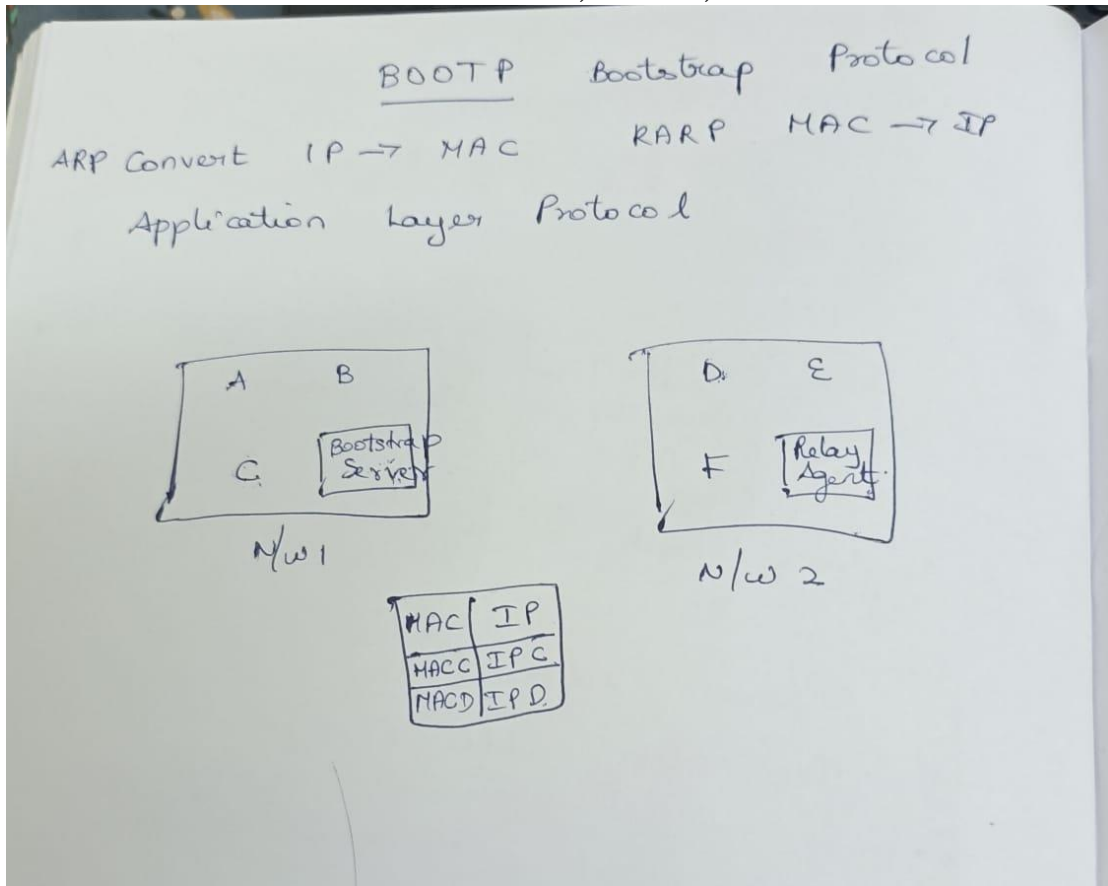




SNS COLLEGE OF TECHNOLOGY Coimbatore-35

DEPARTMENT OF INFORMATION TECHNOLOGY
19CSB302- COMPUTER NETWORKS
III YEAR V SEM
UNIT 3 INTERNETWORKING AND ROUTING
TOPIC:BOOTP,DHCP,ICMP





ICMP

Internet Control Message Protocol

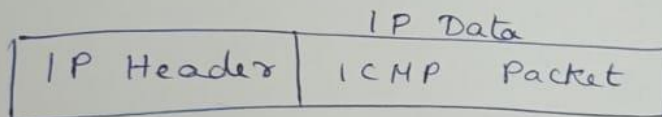
① Implemented on IP

- IP is unreliable, no frame acknowledgement.

② Error reporting & diagnostic purpose

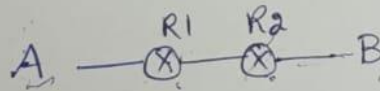
③ ICMP is encapsulated within an IP packet.

Type	Code	Checksum
ICMP		



IP Packet

Data = Discarded IP packet header + ≥ 8 B data of discarded IP packet



- ① Destination unreachable
- ② Source Quench
- ③ Time exceeded (TTL)
- ④ Parameter Problem: Bad IP header
- ⑤ Router advertisement
- ⑥ Router Solicitation (Host)
- ⑦ Ping



7 Ping

① ICMP echo request
&
ICMP echo reply.

② We can contact any server.

③ Test network.

8 Trace Route

