

Mid. Sem. Test (Computer Networks-CS206)

Max. Time: 01 hour

Max. Marks: 20

Note: Attempt all questions (each carry 2.5 marks)

1. Define the three restrictions(rules) on classless address blocks.
2. Given one class-less IP address 100.1.2.35 / 20. Find the range of IP Addresses and size of this block.
3. What is the role of TTL field in IPv4 header?
4. A packet has arrived with an M bit value of 1. Is this the first fragment, the last fragment, or a middle fragment? Do we know if the packet was fragmented?
5. Define Tunneling method for transition from IP4 to IPv6 system. When it is needed?
6. Define any two practical situations when RARP is needed?
7. What is the role of redirection ICMP message?
8. A multicast address for a group is 237.18.6.88. What is its 48-bit Ethernet address for a LAN using TCP/IP?