**DEPARTMENT OF APPLIED MATHEMATICS**

**DELHI TECHNOLOGICAL UNIVERSITY**

**Computer Networks (MC308)**

**ASSIGNMENT-II**

1. State the disadvantages of classful addressing.

2. If 1 of the address of the block is 140.15.89.97/26 and this block is divided into 4 equal subblocks, calculate the range of the block and the range of the subblocks.

3. Define Fragmentation offset.

4. Explain three-way handshaking technique.

5. Define datagram socket and socket address.

6. What are the functions of MAC?

7. Describe various Transport layer features.

8. If a network consists of 8 subnetworks, then identify the subnet addresses for the given IP address:

a. 182.270.37.102

b. 182.270.118.155

c. 182.270.189.23

9. Write a short note on IGMP.

10. Explain the UDP header.