

**DEPARTMENT OF APPLIED MATHEMATICS**

**DELHI TECHNOLOGICAL UNIVERSITY**

**AY 2025-26**

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**Computer Networks (MC305)**

**ASSIGNMENT-II**

1. State the advantages of classful addressing. [CO3]
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. [CO3]
3. Define Fragmentation offset. [CO4]
4. Explain three-way handshaking technique. [CO3]
5. Define datagram socket and socket address. [CO3]
6. What are the functions of MAC sublayer? [CO3]
7. Describe various Application layer features. [CO3]
8. If a network consists of 8 subnetworks, then identify the subnet addresses for the given IP address:  
a. 182.270.118.155  
b. 182.270.189.23 [CO4]
9. Write a short note on ICMP. [CO4]
10. Explain the TCP header. [CO3]