

K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)
Semester:

Duration: 1hr.15 min.

Max. Marks: 30

Semester: **V**

Class: **TY**

Branch: COMP

Name of the Course: **DN**

~~Re-Test 1/2~~ **Term Test -1**

Question No.		Max. Marks	CO Mapped	Bloom's Taxonomy Level
1.	<p>An ICMP message has arrived with the header (in hexadecimal)</p> <p align="center">05 00 11 12 11 0B 03 02</p> <ol style="list-style-type: none"> What is the message type? What is the code? What is the purpose of message? What is the value of last 4 bytes? What do the last byte signifies? 	8	CO2	Applying
2.	<p>Explain Data Transfer in Mobile-IP with help of neat diagram?</p> <p>Also explain Agent Discovery and Registration.</p>	10	CO1	Understanding
3.	<p>An ISP is granted a block of address starting with 150.80.0.0/16. ISP wants to distribute these blocks to 2600 customers as follows.</p> <ol style="list-style-type: none"> The first group has 200 medium-size business; each needs approximately 128 addresses. The second group has 400 small business; each needs approximately 16 addresses. The third group has 2000 households; each need 4 addresses. <p>Design the subblocks and give the slash notation for each subblock. Find out how many addresses are still available after these allocation.</p>	7	CO2	Applying, Creating
4.	<p>Explain significance of Longest Mask Matching with the help of an example.</p> <p align="center">OR</p> <p>Explain need of fragmentation with help of Identification, Flags and Fragmentation offset fields in IPv4 Header.</p>	5	CO2	Understanding