**Class test 1**

**(for Odd)**

**CSE 303 sec A**

**Marks=20, Time 20 min, upload time 5 min**

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| 1. | Change the addresses from binary notation to dotted-decimal notation and vice versa.   1. 10000001 00001011 00001011 11101111 2. 121.33.21.122   (you need to show the calculation at least for one octet each time) | 2+2 |
| 2. | Find the error, if any, in the following IPv4 addresses and give your explanation.   1. 11021.33.021.122 2. 256.025.155.155 3. 255.255.255.255 | 2\*3 |
| 3. | An address in a block is given as x.x.x.x (your IP address).   1. What is the class and default subnet mask of the IP address? 2. Why do you think it is in this class, explain briefly? 3. Find the number of addresses in the block, and the range. 4. Show how the router finds the network address of the packet. | 10 |

**Write your student ID, name and date on top of the answer sheet.**