

Class test 2

CSE 303 sec A

Marks=30, Time 30 min, upload time 5 min

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

1.	<p>Change the addresses from binary notation to dotted-decimal notation and vice versa.</p> <p>ODD ID</p> <p>a. 10011001 10001011 00111011 00001111</p> <p>b. 211.33.129.22</p> <p>Even ID</p> <p>a. 11110001 11100010 10101011 00001111</p> <p>b. 124.25.178.222</p> <p>(you need to show the calculation at least for one octet for both)</p>	4
2.	<p>Find the error, if any, in the following IPv4 addresses and give your explanation. Also write a correct IP address.</p> <p>a. 1101.39.028.22</p> <p>b. 256.25.55.55</p> <p>c. 0.0.0.0</p> <p>d. 255.255.255.255</p>	3*4=12
3.	<p>a. Draw a MAC frame. What do you understand by minimum length of frame? Show the calculation (ODD ID).</p> <p>b. Draw a MAC frame. What do you understand by maximum length of frame? Show the calculation (Even ID).</p>	8
4.	<p>Define the type of the following destination addresses:</p> <p>a. 4B:30:10:21:10:1A</p> <p>b. 49:20:1B:2E:08:EE</p> <p>c. FA:FF:FF:FF:FF:FF</p>	3*2=6