

# **Computer Networks (CL3001)**

## **Lab 01**

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EX1:

CN Lab 1 :-

Ex1: Address Class Identification

Address	Class	
		A 1 - 127
10.210.1.1	A	B 128 - 191
170.10.15.0	B	C 192 - 223
192.14.2.0	C	D 224 - 239
148.17.9.1	B	E 240 - 255
193.42.1.1	C	
126.8.156.0	A	
220.200.23.1	C	
230.230.45.58	D	
177.100.18.4	B	
119.18.45.0	A	
249.240.80.78	E	
199.155.77.56	C	
117.89.56.45	A	
215.45.45.0	C	
199.200.15.0	C	
95.0.21.90	A	
33.0.0.0	A	
158.98.80.0	B	
219.21.56.0	C	

Ex2: on PDF:

EX2:

**Class Exercise: Host & Network Identification**

Circle the network portion  
of these addresses:

177.100.18.4

119.18.45.0

209.240.80.78

199.155.77.56

117.89.56.45

215.45.45.0

192.200.15.0

95.0.21.90

33.0.0.0

158.98.80.0

217.21.56.0

10.250.1.1

150.10.15.0

192.14.2.0

148.17.9.1

193.42.1.1

126.8.156.0

220.200.23.1

Circle the host portion of  
these addresses:

10.15.123.50

171.2.199.31

198.125.87.177

223.250.200.222

17.45.222.45

126.201.54.231

191.41.35.112

155.25.169.227

192.15.155.2

123.102.45.254

148.17.9.155

100.25.1.1

195.0.21.98

25.250.135.46

171.102.77.77

55.250.5.5

218.155.230.14

10.250.1.1

### EX3:

Ex 3: Network Address

$188.10.18.2 \leq 188.10.0.0$   
 $255.255.0.0$

$10.10.48.80 \leq 10.10.48.0$   
 $255.255.255.0$

$192.149.24.191 \leq 192.149.24.0$   
 $255.255.255.0$

$170.203.23.19 \leq 170.203.0.0$   
 $255.255.0.0$

$10.10.10.10 \leq 10.0.0.0$   
 $255.0.0.0$

$188.13.23.110 \leq 186.13.23.0$   
 $255.255.255.0$

$223.69.230.250 \leq 223.69.0.0$   
 $255.255.0.0$

$200.120.135.15 \leq 200.120.135.0$   
 $255.255.255.0$

EX4:

Ex 4: Host Address.

188.10.18.2  $\leq$  0.0.18.2  
255.255.0.0

10.10.48.80  $\leq$  0.0.0.80  
255.255.255.0

222.44.49.11  $\leq$  0.0.0.11  
255.255.255.0

128.23.230.19  $\leq$  0.0.230.19  
255.255.0.0

10.10.10.10  $\leq$  0.10.10.10  
255.0.0.0

200.193.123.11  $\leq$  0.0.0.11  
255.255.255.0

223.169.23.20  $\leq$  0.0.23.20  
255.255.0.0

203.20.35.215  $\leq$  0.0.0.215  
255.255.255.0

EX5:

Sub: Default Subnet Mask

177.150.18.4 = 255.255.0.0

119.18.45.0 = 255.0.0.0

191.249.234.191 = 255.255.0.0

223.23.223.109 = 255.255.255.0

10.10.200.1 = 255.0.0.0

126.123.23.1 = 255.0.0.0

223.69.230.200 = 255.255.0.0

192.12.35.105 = 255.255.255.0

77.251.200.51 = 255.0.0.0

189.210.50.1 = 255.255.0.0