1. B) = 2

Data should be transmitted at the greate of 5000 mbps.

Transminion time > = 2* propagation time

=> length = 2 km (mays)

S & (B) 2 km.

2 · 255.255.255.254.

A'N IP addrew 10 105 1 01110861

Subhet 255 255 255 11100600

O[P hatturk 1 10 105 1 01101011

Subhet 255 255 255 11100000

O[P hatturk 2 10 105 1 01000000

0/P unatural 1= 10.105.1.196 0/P unatural 2=10.105.1.64

0/P network land 2 belong to the different network.

3. d) 128. 8.129. 3 and 128.8.161.95

Hence the given rubbet mark- 255, 255, 31.0 is a

class B network

Now the stange of a class B statute is brown 128.000 (lowest) to 191.255.0.0 (Highest). The two

Volum / IP address suprem orange are 191.203.31.57 and

4. A) 2.046

Subnetting a elan B retwork addung

Nark = 255.255.248.0

Binary = 11111 000.0000000

Hoth pu rubbet = 2,046

5. 4)16

ent again.

following table for a requester of energy in since go - back means control strategy in end, all packets after a liest pocket are