CNIOT Page No. TARANG-Date: \ \ Assignment 1 Sonelable Agelowal BB 20103215 Quest. a No. of users = 5 Mb/s = 5 x106 150 kbps 150 ×103 = 33.33 +33 weeks. b. a given user is transmitting = 0.33. e(m) = 250 MeVes. e(m) = 250 MeVes.d. P(3489 more) = P(34) + P(35)+---. P(250) P(33 or fellow) = P(0) + P(1) + P(2) ... P(33)
P(37 or more) = 1 - P(33 or fellow) Oues3. Total rige vincluding Rooder = 20P+P=21P

Tereneitivière = Size = 21P

bondowsk R

Peropogation delay = 0, see What time = (2/P + 2D) See b. 2 pockets of equal size : each pocket contains = 10+P = 11P teresmession time = Q+ 1/P5 Peroposation along = 20 -s

Page No. TARANG Date: \ Total time = (22 P + 20) 5 Beropogetion og doch link zars typerop = 20 us Allers = 12000 = 12×10-4 = 1200165 Padset reagles with at = 1200 µs +20 Porhet autriorsmitted after 35 ps After 1235 sec, the Bucket Drubs townswitting fryn switch =1235 + terong + & Recept =1235 + 1200 + 20 =2455 MS MTTP 1.0 with no foroled connection 60 + 2=62 RTTS (1) HTTP1.1 wells no farkelining. 30 RTIS +2 RTS C37RTTS MTT 1 1 -1 with pelining = 2 + IRTT = 3RTT

Page No. TARANG-Date: \ Queing delog = Total Pids not get Lawrentled rote of tenomination Ty = n * C+ L-X poolet 10ye = 1500 n = 1500 = 750 7q = (4+1500+80)+8 = 27ms 2+10+6do sittle eingle TCP connection tos 7.6