Zaid Amin Racofin ID: 20-42459-1 Secial: 13 Ans. to the p. No. 11 of 20th Lego 1-Legaro Irane. Semi Aleg. of somi Total \$2.67 -10.55 2.0 43 2008 242 Vi 128  $\mathcal{P}_{10}$ 42.11+ 10.55 SI 2009 258.67 5263+10.55=CS 64 2010 63.26+ 10.55 273.77 76 2011 73.7741055 2343L 81 2012 84.32+16:55 294.37 26 2013 Now, Difference between 150 89-9-7-150150-5003 = 18 Difference between the semi-Arrage Theone transcribes for one Jeans = 31.66
= 31.66
= 31.66
= 10.55

id Amin Rassim D: 20-42459-I 20-42450-401500 Ans to the QN8. 13 200/A high in probability matricement Soll 55.01 +11.74 bo bol = 0.851 0.575 = 0.851 0.575 2008 2003 oias 2F 1105 5334 41 84539 2105 PZ [0.8 0.2] [0.6 0.4] JC 2013 20.68 0.327 ab mounted smanelia 84= [0:68-0:32] [0:68 0:32] 80:64 0:36] [0:64 0:36] 80:6672 0:3328] [0:64] 27 [0:6672 0:3328] [0:64] 25.01 = 19.52 The required probability in 0.66656

Ans. to the Q. No. 4

D more than I minute  $P(T)1) = e^{\lambda t} = e^{-2x/1} = 6.1353$ 

1) less than 2 minutes

= 6.9816

1) Between 1 to 2 minutes