Koll No 0 3 2022 Ja CS 1 2000 9 Past C: Given Internation Assumption!

Buseo actival of rate is 2 per hours

In 60 minutes à Buses will Arrive In 30 runter sate of Bur Arrival is I form 6: Am to 7: 30 Am total of gown

P(x=1) = (1=x)

formula P(x=e)= /K =t 30 2h e=2.71828

A= 30 15 1 60 15 =

2=2

P(x=30)= 20=2

= 145 3153 ug 201301

= SI 47 E25

2) Let X, he the number of Sandwider That The Y= X1+X2+--+X64 goal is to find y P(y=y) 2045 Ex; 2 = \frac{1}{4(0)}2+\frac{1}{2(0)}2+\frac{1}{2(0)}2 (a)(xi)- Exi2-(Exi)2 80 = +2 EY = 64x1 Var(Y)=64x+2 = 32 J=4/2 we am are at tofing, P(Y=y)=P(Y-64 \ \ 4\12) = \$ (4-64) = \$ (y-64) = 0.95 So y-62 = \$ (09) = 1.6449 y=735 weare 95% store That Date) we make the Saulwides. a Shotcusp.