18101009
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A SECTION
4TH TEAR
1ST SEMESTER
24 OCTOBER 2021
CSE-401



My id 18101009, Hore, id= odd 7
50, M/D/I model

Horar of 2 th of the portion of the

Here,  $\Lambda = g$  customou/5 min =  $\frac{5}{9} = 6.56$  min.

H = 10 enstomers/ 5min = 5 = 0.5 min.

 $p = \frac{\lambda}{h} = \frac{0.56}{0.5} = 1.12$ 

was = expected waiting time per customery in system was = expected waiting time per extonery in system.

15 = expected indumber of customers in system.

19= "

For M/D/Imodel

18101009

ws = wq + 1

$$= 9.33 + \frac{1}{0.5}$$