Alsignment -2

In the Quant test of CAT Exam, the population Starchard clerication is known to be 100. A Sample of 25 test take us as a mean 580.

Lonstruct a 80%. Confiderce interval about mean.

So: From He above problem, are home

6=100 n=25 x=520

80% confidence interval ~ 0.80

 $\alpha = 1 - 0.80 = 0.20$

0.10

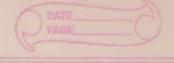
70.10 = +1.29

are know that

lower fence = 11 - Za/2 5n

= 520- 7000 Jas

= 520 - 1.29 x 100



= 520 - 1.29120 2 520- 25.8

2 434.8

higher fence = I + Za/2 5

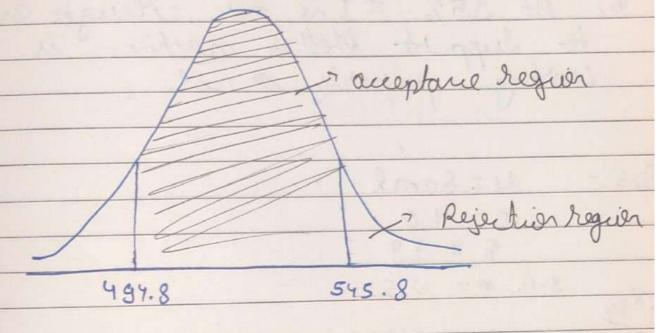
- 520 + Zo.10 100

520 + 1.29x 20

520 + 45.8

545.8

Kerce



Do, we conclude that the Sample lie Within the Shaded Region Well be accepted and det siele of that Elil rejected.