& Assignment 1

= H

9] In the fount test of CAT enam, the population standard demution is known to be 100. A sample of 25 test Takers has a mean of 520. Constaut a 80% L.I about near.

colution

-> we know that

0:100, η: 25, \$\tilde{\pi} = 520 , (.I - 80%, Significance ladue (d):0.2

Step 1: Dine the population s.o is given we will be using the z-Test.

Formula :

(I: Point Estimate + Maryin of Ecology,

Step 2: Measure of evenou: Zd12 o-

= 25.8

Step 3: Treneface,

Louise fence = \$ \$ 25 8

= 520 7 05.8

= 494.)

Hipror force = \$\tilde{x} + 25.8

= 520 + 25-8

= 545-8

