19-06-22 Assignment. Que) {10,13,18,22,27,32,38,40,45,51,56,57,88,90,92,94,99 bins = 5 bin size = 20 7 Polf 6 5 100 -80 40 20 872 = 51.29 17 mean =

Higher fence =  $\bar{x}$  +  $Z\bar{g}$ \*  $\bar{f}\bar{\eta}$ = 520 + 25.6= 545.6

## Assignment .

Quest colleges in town A has 85% placement rate. A new college was recently opened and it was found that a college was recently opened and it was found that a sample of 150 spexients hold a placement rate of 85%. with a standard deviation of 4%. Does this college have a different placement rate?

Given, Ha -1 11 = 85%. (400 tailed test)

for sample, m = 150 00f = m = 149  $\bar{x} = 85\%$  50(s) = 4% 0.2 = 95% = 0.950.05

 $ts+atish'(a) = 5i - 11 = 88 - 85 = 3 \times 150 = 9.186$  5id 5id

tstatistical = 9.186

0.025

11.984

from totable, < = 0.05, pof = 149, two toiled test

+ = 1.984

+ statistical = 2-1.384 and +1.384 } AS so, we have to reject the null hypothesis and accept the alternate hypothesis. conclusion rate as company to the all others colleges in town. 9.186