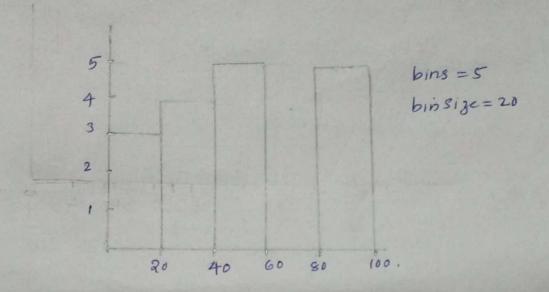
D Plotting Histogram

10,13, 18,22, 27, 32, 38) 140, 45, 51, 56, 57, 88, 90, 92,94,99

$$0-19$$
  $20-39$   $40-59$   $60-79$   $80-99$ 



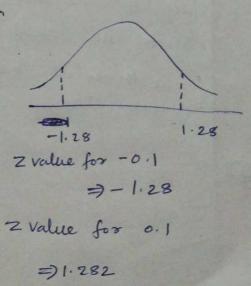
(3) 
$$\sigma = 100$$
  $M = 25$   $\pi = 520$ 

Hence population std demention is given we use z test  $CI = 80\% o : \alpha = 1 - .80 = 0.2$ 

Point Estimate + margine of Error

Higher Fence  

$$\Rightarrow 520 + 1.282 \times \frac{100}{\sqrt{250}}$$
  
 $= 52/8/108 \Rightarrow 545.8$ 



$$= 494.2$$

$$CI = (494.2, 545.8)$$

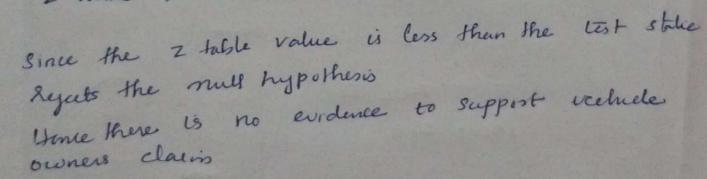
b) 
$$\hat{f} = \frac{n}{n} = \frac{179}{250}$$
  $P = 0.6$ 

$$z \text{ test} \Rightarrow \frac{\hat{p} - p}{\sqrt{\frac{p_0 \text{ avo}}{m}}} \Rightarrow \frac{0.68 - 0.6}{\sqrt{\frac{6 \times 4}{250}}} = \frac{.08}{\sqrt{\frac{.24}{250}}}$$

-1-181

 $\sqrt{\alpha} = .10$ , one Tail.

2 value > 1.28



(F) 2,2,3,4,5,5,5,6,7,8,8,8,9,9,10,11,11,11,11,11

99 parentile

=) The Number loss blue is approximately equals

to 12

 $Index = \frac{Perceliale \times (n+1)}{100}$  $= \frac{99}{100} \times (n+1)$ 

Humber at Index 20.

Right skwcd

in Right skewed

=> Mode < Median < Mean.

In legt skened median mean mean mode

where mean < median < mode.