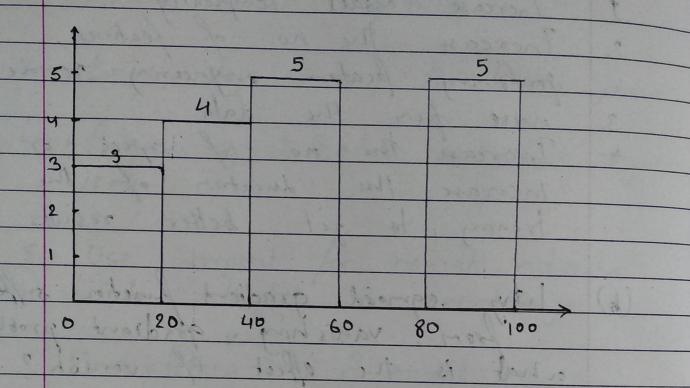
Anssl Histogram



Ans 2] Given U= 100 N=25, 7 = 520, CI=80%.

X= 1-CI => 1-0.80 = 0.2

 $\frac{NOW}{2} = \frac{Z_{0.2}}{2} = 0.1$

For total area 1-0.1 = 0.9.

Now Check in the Z tenbre for 0.9

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the value we get is 1.29
For lower Fence = $\overline{\chi} - Z_{\chi} \overline{\delta}$
2 50
= 520 - 1.29 × 100
J25
520- 1.29 x 20
Louverfence = 494.2
on the 12th side because the
for nigher Lence = x + z x 5 2 Jn.
2 Jn.
520 + 1·29 ×20
Higher Level = 545.8
Accept the Null hypothin
Accept to the
Reject Peject
All the state of t
494.2 500 545.8
80.0 3 of - x - 9
028

39-1

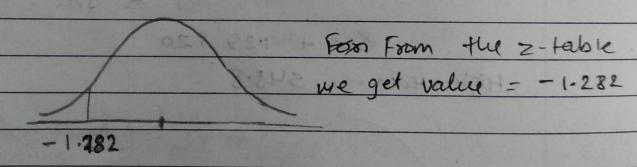
000 -1

Ans 3 Given 1=250, x = 170 x = 0.10

Hoor Po= 60%. Null Hypothesis

Pr <= 60%. Alternative Hypothesis.

Decision Bounday: It's one tail test on the left side because they ask for 60's or less in question.



Calcute test statistics.

$$\hat{P} = 2 = 170 = 0.68$$
 $1 = 1-10 = 0.60 = 0.40$

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	-	- 1 060	110.

z sest with proportion. P-Po Z= 0.68 - 0.60 0.60 × 0.40 The includio 025 When Wedien Mod Z= 2.58. So the result is greater than the value Accept the Nucl Hypothise test both socilean a most Ans4) Perentile: Percentile Kn+1. 99 x 20+1 => 99 x21 = 2° 2001 9 1001 1001 10001 10001 20.79 is the index value and the perceutile is 12

Ans 5

Right Skewed Distribution

Eg: Wealth distribution, length of communit

in YT.

well-cours while test s

The relation of Mean, Median, Mode is

Mean is greater than Median and Median is greater than Mode

Mean > Median > Mode.

In left skewed Distribution. the ag arais life span of Human being

The relation of Mean Median & Mode is

Mode > Median > Mean.