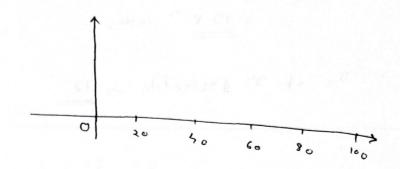
Statistics Assignment

QI) Plot a histogram.

10, 13, 18, 22, 27, 32, 38, 40, 45, 51, 54, 57, 88, 90, 92, 94, 99.

olution



2)

478.72

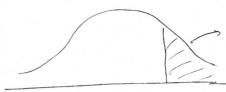
solution

$$H_0: P_0 = 60\%$$
 $P_0 = 60\%$
 $P_0 = \frac{250}{n} = \frac{179}{350} = 0.69$

Z-test with proportion

$$\frac{2 + c_{5}t}{\sqrt{\frac{r_{0} \cdot 2_{0}}{n}}} = \frac{0.68 - 0.6}{\sqrt{\frac{6.6 \times 64}{25_{0}}}} = \frac{2.581}{}$$

2:381 > 1:36 - accept the null hypothesis



Q4) what is the value of the 99 percentile? 2,2,3,4,5,5,6,7,8,8,8,8,9,1,10,11,11,12

Solution Value =
$$\frac{Percentile}{100}$$
 * (no)
$$= \frac{99}{100} \times (202)$$

$$= 0.99 \times 20$$

$$= 19.87 index$$

The of 99 Parcentile is 12

Q5) solution: - , A Left- skewed distribution has a long left tail. 2) A Right-skewed distribution has a long right tail.

