10) 10,13, 18, 22, 27, 32, 38, 40, 45, 51, 56, 57, 88, 90, 92, 94, 9 40 20 bin-size = do bins = 5

2A)
$$G = 100$$
 $n = 2.5$
 $\overline{X} = 520$
 $C \cdot \overline{I} = 80\%$
 $R \Rightarrow 1 = 0.8 = 0.2$

point estimate \pm margin of error

 $\overline{X} \pm \frac{1}{4} = \frac{57}{\sqrt{n}}$

Lower fence $\Rightarrow \overline{X} - \frac{1}{2} = \frac{57}{\sqrt{n}}$
 $= 520 - 1.29 \times 100$
 $= 520 + 1.29 \times 100$
 $= 545.8$

reject

Number healt hypothosis

Number healt hypothosis

3A) Null hypothesis Ho: Po = 80%. { one toil test toil} H,: Po >60 P= 170 { x} = 0.68. x= 170 90=40% = 0.4 X= 10./0 =0.1 1-0.1=0.9 Value = 1029 +1-29

$$\frac{\text{Fut}}{\sqrt{\frac{P_0 q_0}{n}}} = \frac{0.68 - 0.6}{\sqrt{\frac{0.6 \times 0.4}{250}}}$$

= 2.58

: 2.5871.29 : Liget null hypothesis.

4A) Value of 99 percentile $\Rightarrow \frac{99}{100} \times (n+1)$

 $=\frac{99}{100}$ X21 = 20.79

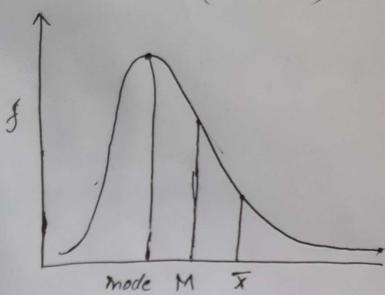
i e value at 20th index

: value of 99 percentile is 12.

5A) Right Skewed dota

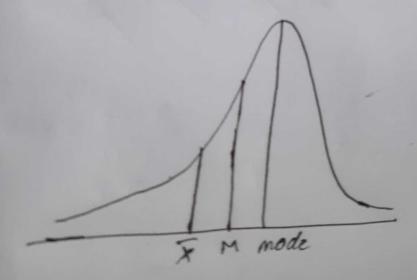
(+ ve Skewed)

spec or vernal or part



or In right skewed data mean median mode.

Left skewed dota (-ve sku)



+ In left skewed data mode median mean