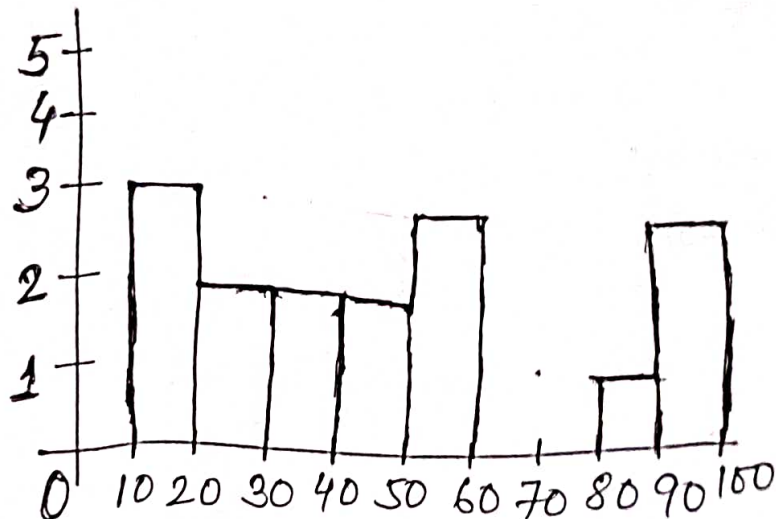Q.1. Plot a Histogram.

10, 13, 18, 22, 27, 32, 38, 40, 45, 51, 56, 57, 88, 92, 94, 99

Ans :—

Q.2. In a quant test of a CAT Exam, the population standard deviation is known to be 100. A sample of 25 tests taken has a mean of 520. Construct an 80% CI about the mean.

Ans :— $\sigma = 100$, $n = 25$, $\bar{x} = 520$, $\alpha = 0.2$

$$C.I = \frac{0.2}{2} = 0.1$$

$$1 - 0.1 = 0.90$$

Z. table = 1.29