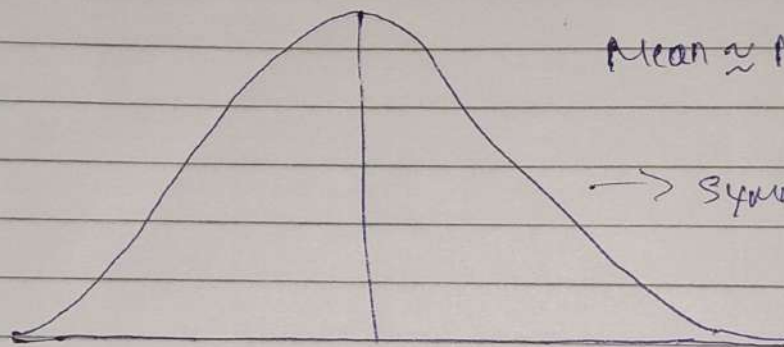Question 5 :-

In left and Right skewed data, what is the relationship between mean, median and mode?

Draw the graph to represent the same.

Right Skewed Data
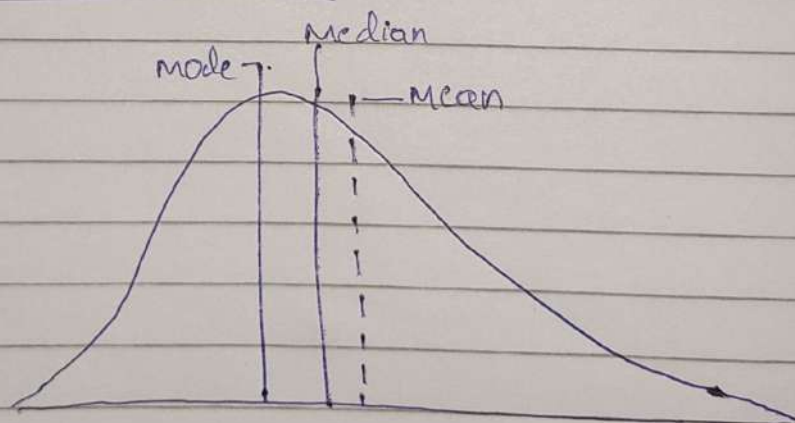
In symmetric Data. Mean, median, Mode falls on same value.

Mean ≈ MEDIAN ≈ Mode
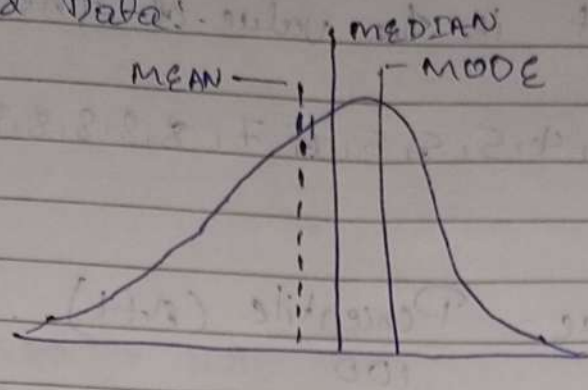
⟶ Symmetric Data.

Right Skewed Data :-

mode ⟶   Median

⟵ Mean

In Right skewed Data. the MODE is often less than MEDIAN, which is less than MEAN.

MODE < MEDIAN < MEAN

Left Skewed Data:

It the distribution of data is left skewed the MEAN is less than Median, which is offen less than the mode.

$$MEAN < MEDIAN < MODE.$$