



ACADEMIC YEAR 2022-23

Grade: X

Subject: MATHEMATICS

CH – 14 - STATISTICS - ASSIGNMENT -1

- The mode of some data is 9 and their mean is also 10. Find their median.
- The following is the daily pocket money spent by students. Find the mode of the data

Pocket money	0 – 15	15 – 30	30 – 45	45 – 60	60 – 75
No. of students	8	15	7	4	6

- Find the mean of the following data using assumed mean method

Classes	2 – 8	8 – 14	14 – 20	20 – 26	26 – 32
Frequency	6	3	12	11	8

- Find the median of the following data.

Classes	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50
Frequency	8	16	36	34	6

- The mean of the following distribution is 22. Find the missing frequency f.

Classes	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50
Frequency	12	16	6	F	9

- Find the mean if the following frequency distribution using Assumed Mean method.

Classes	100 – 150	150 – 200	200 – 250	250 – 300	300 – 350
Frequency	4	5	12	2	2

- The mean of the following distribution is 24. Find the value of p.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	15	20	35	P	10	42

- Find the missing frequencies in the following frequency distribution table, if the total frequency is 70 and median is 35.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	6	9	x	y	19	10
