1. If $\bar{x}$ is the mean and Mean Deviation from mean is MD($\bar{x}$), then find the number of observations lying between

$\bar{x} - $MD(x) and $\bar{x} + $ MD($\bar{x}$) from the following data : 22, 24, 30, 27, 29, 31, 25, 28, 41, 42.

2. Calculate the mean deviation about median for the following data.

Class	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	6	7	15	16	4	2

3. Calculate the mean, variance and standard deviation for the following distribution:

Class	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90	90 – 100
Frequency	3	7	12	15	8	3	2

4. The mean and variance of 8 observations are 9 and 9.25 respectively. If six observations are

6,7,10,12,12,13, find the remaining two observations.

5. Calculate the mean and variance for the following data:

Income (in Rs)	1000 – 1700	1700 – 2400	2400 – 3100	3100 – 3800	3800 – 4500	4500 – 5200
No. of families	12	18	20	25	35	10

6. Find the mean and variance for the data.

x_i	6	10	14	18	24	28	30
y_i	2	4	7	12	8	4	3

7. The mean and standard deviation of 20 observations are found to be 10 and 2, respectively. On rechecking, it

was found that an observation 8 was incorrect. Calculate the correct mean and standard deviation in each of the

following cases:

(i) If wrong item is omitted.

(ii) If it is replaced by 12.