

IX- Mathematics Assignment No-01- Statistics -Measures of Central Tendency.

- (Q1) Find the mean of the marks of 10 students, having marks as,
75, 66, 69, 76, 110, 85, 52, 96, 67, 82.
- (Q2) Find the mean of first 15 natural numbers.
- (Q3) Find the mean of first 10 prime numbers
- (Q4) Form a discrete series of the following data, then calculate the mean.
21, 23, 22, 25, 18, 24, 20, 20, 19, 21,
17, 24, 20, 18, 25, 17, 23, 22, 22, 21.
- (Q5) Find median of
25, 34, 31, 23, 22, 26, 35, 29, 20, 32.

Cont Pg-2

(Q6) The following data have been arranged in ascending order of magnitudes

59, 62, 65, x , $x+2$, 72, 85, 94. If the median of the data is 69. Find the value of x .

(Q7) The mean of 10, 12, 16, 20, p and 26 is 17. Find the value of p .

(Q8) Find the mode of the following data, in each case

(i) 14, 25, 14, 28, 18, 17, 18, 14, 23, 22, 14, 18.

(ii) 7, 9, 12, 13, 7, 12, 15, 7, 12, 7, 25, 18, 7

(Q9) The demand of different shirt sizes are given below. Find the modal shirt sizes

Size	38	39	40	41	42	43	44
No. of persons	26	39	20	15	13	7	5

(Q10) Prove $\sum_{i=1}^n (x_i - \bar{x}) = 0$, \bar{x} is the mean of n observations, $x_1, x_2, x_3, \dots, x_n$

ANSWERS

Q.No.	1	2	3	4	5	6	7	8(i)	8(ii)	9
ANS	77.8	8	12.9	21.1	27.5	68	18	14	7	39