GLSU

FCAIT – BCA

SEM -III

SDA

Assignment 2

1 Find the quartile deviation and its coefficient from the following data:

Candidate no.	1	2	3	4	5	6	7
marks	20	28	40	12	30	15	50

2 Compute coefficient of quartile deviation from the following data:

marks	10	20	30	40	50	60
No. Of students	4	7	15	8	7	2

3 Calculate the mean deviation about mean for the following distribution

x	6	7	8	9	10	11	12
f	3	6	9	13	8	5	4

4 Calculate mean deviation about the mean for the following data:

class	3-5	5-7	7-9	9-11	11-13	13-15	15-17
frequency	5	8	30	82	45	24	6

5 Determine standard deviation from the following observations: 1,2,3,4,5,7,8,9,10,11,12,13,14.

6 Determine standard deviation for the following data:

Class interval	12-15	15-18	18-21	21-24	24-27	27-30
frequency	2	4	5	6	3	1

7 Determine standard deviation and coefficient of variation from the following statistical data:

age	20-30	30-40	40-50	50-60	60-70	70-80	80-90
No. Of persons	3	61	132	153	140	51	2

8 Determine mean deviation from median and standard deviation from the following distribution:

X	10	11	12	13	14
f	3	12	11	12	3