SCHOOL OF ADVANCED SCIENCES

WINTER SEMESTER 2020-2021

Course:MAT2001-Statistics for Engineers

Digital Assignment-1

1. From the following identity the more stable data

X	74	75	78	72	78	77	79	81	79	76	72	71
y	87	84	80	88	89	85	86	82	82	79	86	80

2. The scores of two batsman A and B in a series of 10 matches are as follows

Scores of A	37	43	28	62	59	20	83	48	52	47
Scores of B	35	52	77	38	26	58	63	31	40	46

Identify the better player and the more consistent player.

3. The following table gives the monthly wages of workers in a factory.

Wages	125-175	175-225	225-275	275-325	325-375	375-425	425-475	475-525	525-575	Total
No.of workers	2	22	19	14	3	4	6	1	1	72

Compute (i) standard deviation (ii)quartile deviation (iii)coefficient of variation

4. Find the (i)Mean (ii)Mean deviation about Mean (ii)Range (iii)Standard deviation (iv)Coefficient of variation for the following marks of 10 students

$$20 , 22, 27, 30, 40, 48, 45, 32 ,31, 35$$

5.Compute (i)Mean deviation about mean (ii)Mean deviation about median

for the following data

Class	3-4.9	5-6.9	7-8.9	9-10.9	11-12.9	13-14.9	15-16.9
Frequency	5	8	30	82	45	24	6