

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.

B.B.A. - END SEMESTER EXAMINATIONS - NOVEMBER 2025
SEMESTER - III

20UBACT3007 - Business Statistics - I

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Explain the limitations of the statistics.
2. Calculate the median from the following table:

Marks	Frequency
10-25	6
25-40	20
40-55	44
55-70	26
70-85	3
85-100	1

3. Find the coefficient of skewness from the data given below;

Size	Frequency
3	7
4	10
5	14
6	35
7	102
8	136
9	43
10	8

4. Calculate coefficient of correlation from the following data:

X	Y
12	14
9	8
8	6
10	9
11	11
13	12
7	3

5. Classify the types of classification.

Contd...

6. The following table gives the weight of 31 persons in sample survey. Calculate geometric mean.

Weights	No. of person
130	3
135	4
140	6
145	6
146	3
148	5
149	2
150	1
157	1

7. Calculate mean deviation from the following series:

X	F
10	3
11	12
12	18
13	12
14	3

8. Explain the types & importance of frequency distribution.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Classify the scope of statistics.
 10. Marks scored by 30 students are given below:

41	55	48	47	53	48	33	32	42	55	44	38	60	65	71
80	41	53	47	48	55	20	31	34	42	51	35	30	26	25

Prepare a frequency distribution table using class intervals of 10 marks each and draw a suitable diagram.

11. Calculate the mode from the following:

Size	Frequency
10	10
11	12
12	15
13	19
14	20
15	8
16	4
17	3
18	2

Contd...

12. Compute the standard deviation and mean deviation from the following data:

Class	Frequency
0-10	8
10-20	12
20-30	17
30-40	14
40-50	9
50-60	7
60-70	4

13. From the following data calculate the rank correlation coefficient after making adjustment for tied ranks.

X	Y
48	13
33	13
40	24
9	6
16	15
16	4
65	20
24	9
16	6
57	19
