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.
BCOM.(CS) END SEMESTER EXAMINATION APRIL/NOV - 2021
SEMESTER - III
17UBCCT3A08 - Statistics - I

Total Duration : 3 Hrs	**Total Marks : 75**
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Define Statistics and state its limitations.

2. Define Classification and explain the types of classification.

3. Find the Arithmetic Mean and Median for the following data.

X	10	15	20	25	30	35	40
F	5	12	14	8	3	8	4

4. Find the Geometric mean.

    23, 32 12, 34, 10, 18, 20, 25, 21 and 32

5. Find the Coefficient of variation.

    23, 10, 8, 10, 18, 25, 10, 11, 9 and 11

6. Find the Quartile deviation and its coefficient.

X	2	5	8	10	12	15	17
F	2	8	10	4	6	5	3

7. Define skewness and explain its types.

8. Find Bowley's coefficient of skewness.
    21 12 14 18 20 14 16 17 10 17 11

Section C

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

9. Define primary and secondary data and explain the methods of collecting primary data.

10. Draw Ogives and find the median.

CI	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
F	2	8	10	15	8	10	4	5

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11. Find Mode.

CI	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
F	5	8	7	10	7	10	8	5

12. Find the Mean Deviation from mean and its coefficient.

X	5	7	9	11	14	15	16
F	5	4	10	8	6	7	3

13. Find the karl pearson coefficient of skewness.

CI	4-8	8-12	12-16	16-20	20-24	24-28	28-32	32-36
F	2	4	8	10	6	4	8	5