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
20UBCCT3008 - 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. Explain the methods of collecting primary data.

2. Explain the significance of diagrammatic representation of data.

3. Find the first and third quartile for the following data.

CI	0-4	4-8	8-10	10-13	13-16	16-20
F	5	7	6	3	7	2

4. Find the geometric mean.

X	2	6	8	10	12	15	14
F	5	4	7	3	4	2	1

5. State the properties of standard deviation and give examples.

6. Find the mean deviation from mean and its coefficient.

   23   10   47   5   14   18   20   23.

7. Define skewness and explain its types.

8. Find bowley's coefficient of skewness.

CI	0-10	10-20	20-30	30-40	40-50	50-60	30-70
F	5	8	4	9	5	7	2

Section C

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

9. Write the scope of statistics in various field.

10. Draw histogram and find the value of mode.

CI	0-8	8-16	16-24	24-32	32-40	40-48	48-56
F	5	8	16	10	5	8	4

11. Find the Mean, Median and mode for the following data.

Income	<100	<200	<300	<400	<500	<600	<700
No. of persons	12	24	40	52	60	68	70

1

12. Find the Consistent and Best Series from the following data.

Series A	12	15	18	25	28	32	10	45	12	25
Series B	42	42	40	32	38	28	50	20	25	30

13. Find the karl pearson coefficient of skewness.

CI	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
F	5	10	12	6	8	10	5	8