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.A. END SEMESTER EXAMINATION APRIL/NOV - 2021
SEMESTER - I
08UECCT1002 **&** UEC/CT/1002- **Statistics for Economists-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. Highlight the functions of Statistics.

2. Discuss the various methods of collecting primary data.

3. Compute Median from the following data:

Size of shoes	5	5.5	6	6.5	7	7.5	8
Frequency	10	16	28	15	30	40	34

4. What are the different types of diagrams?

5. Calculate the Semi Inter-quartile range and quartile coefficient from the following:

Age in years	20	30	40	50	60	70	80
No.of members	3	61	132	153	140	51	3

6. Calculate Mean Deviation from the following data:

X	2	4	6	8	10
F	1	4	6	4	1

7. Distinguish between diagrammatic and graphic representation.

8. Calculate the Standard Deviation from the following data:

Size of items	6	7	8	9	10	11	12
Frequency	3	6	9	13	8	5	4

Section C

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

9. Examine the Scope and Limitations of Statistics.

10. Calculate the Co-efficient of variation from the below data prices of a particular commodity in five years in two cities and find the city which had more stable prices.

Price in city A	20	22	19	23	16
Price in city B	10	20	18	12	15

11. Compute Mean, Median and Modal ages of married women at first child birth.

Age at the birth of First child	13	14	15	16	17	18	19	20	21	22	23	24	25
No.of married women	37	162	343	390	256	433	161	355	65	85	49	46	40

12. Calculate Co-efficient of quartile deviation and coefficient variation from the following data.

Marks	Below 20	Below 40	Below 60	Below 80	Below 100
No.of students	8	20	50	70	80

13. Explain the various sources of secondary data.