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 EXAMINATIONS NOVEMBER-2022
SEMESTER - I
20UECCT1002 - Statistics for Economists-I

Total Duration : 2 Hrs 30 Mins.   Total Marks : 60

Section A

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

1. Explain the functions of statistics.

2. Describe the sources of secondary data.

3. Relate the difference between Graph and Diagram.

4. Explain the merits and demerits of median.

5. Compute Range for the following data: 1, 2, 8, 9, 7, 4, 1, 1, 3, 2, 3.

6. Prepare Pie-Diagram for the following data given below:

Mango	45
Orange	30
Plum	15
Pineapple	30
Melon	30
Total	150

7. Compute Median for the following data, 71, 30, 61, 59, 31, 40 and 29.

8. Solve Quartile Deviation for the following data.
   23, 8, 5, 16, 33, 7, 24, 5, 30, 33, 37, 30, 9, 11, 26, 32.

Section B

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

9. Explain the scope and limitations of statistics.

10. Prepare the various steps in framing a Questionnaire.

11. Solve and Construct the more than cumulative frequency table and draw the Ogive for the below-given data.

Marks	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80
Frequency	3	8	12	14	10	6	5	2

12. Compute Mean, median and mode.

Classes	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	5	10	18	30	20	12	5

13. Compute Standard Deviation for the following data:

Class Interval	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	27	10	7	5	4	2

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