

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 APRIL-2022

SEMESTER - I

20UECCT1002 - Statistics for Economists-I

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Define statistics and illustrate functions of statistics.

2. Prepare pie diagram for the following data.

Items of Cost	Rs.in crores
Labour Cost	10
Overheads Cost	30
Materials Cost	60

3. Compute median for the following data.

Marks	45	55	25	35	5	15
No.of Students	40	30	30	50	10	20

4. Compute absolute and relative measure of range for the following data.

Marks	30-35	35-40	40-45	45-50	50-55
No.of Students	4	17	15	6	10

5. Classify the data on the basis of sources of collection.

6. Prepare Ogives from the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No.of Students	10	20	30	50	40	30

7. Compute median if mean is 50 and mode is 62.

8. Distinguish between Mean deviation and Standard deviation.

Section B

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

9. Describe about the nature and scope of statistics.

10. Examine the kinds of classifications.

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11. Apply Histogram, frequency polygon and frequency curve for the graphical representation of following data.

Years	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No.of Residents	150	300	500	800	1000	900	400	100

12. Compute Arithmetic Mean and Mode for the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No.of Students	10	20	30	50	40	30

13. Evaluate the co-efficient of variation for the following data.

Marks	5	15	25	35	45	55
No.of Students	10	20	30	50	40	30
