

Roll.No.

20UECCT1002

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.Economics - END SEMESTER EXAMINATIONS - NOVEMBER 2025
SEMESTER - I

20UECCT1002 - Statistics for Economists - I

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. List out the characteristics of Statistics.
2. Show pie-diagram from the following data:

Sector	Agriculture	Industry	Transport	Communication
Production	70	60	30	20

3. Compute mean from the following data.

Value	1	2	3	4	5	6	7	8	9	10
Frequency	40	50	55	78	58	60	73	35	43	48

4. Explain the characteristics of measures of dispersion.
5. Describe the methods of classification of data.
6. The table below lists the total number of kilograms (kg) of wheat, barley, and oats produced in a particular form from 1991 to 1994. Prepare a component bar diagram.

Years	Wheat	Barley	Oats
1991	34	18	27
1992	43	14	24
1993	43	16	27
1994	45	13	34

7. Show the median for the following data of wages of 8 workers.

Worker	1	2	3	4	5	6	7	8
Wages	1000	2000	3000	4000	5000	6000	7000	8000

8. Find the range and coefficient of range of marks obtained by ten students given below.

50	55	57	49	54	61	64	59	59	56
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Section C

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

9. Discuss the nature and scope of statistics.
10. Classify the different methods of collecting primary data.
11. In a city, the weekly observations made in a study on the cost of a living index are given in the following table: Draw a frequency polygon for the data below with a histogram.

Cost of Living Index	140-150	150-160	160-170	170-180	180-190	190-200	Total
Number of weeks	2	8	14	20	10	6	60

12. Compute the mean, median, and mode from the following data.

Marks	10 -20	20-30	30-40	40-50	50-60	60-70
No of Students	12	18	26	32	24	8

13. Calculate the co-efficient of variation for the following information.

Production of cars	200-400	400-600	600-800	800-1000	1000-1200
No.of Factories	13	27	32	18	10
