

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. (Eco) END SEMESTER EXAMINATIONS NOVEMBER - 2023

SEMESTER - I

20UECCT1002 - Statistic for Economists-I

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. Elucidate the scope of Statistics.
2. Describe the sources of Secondary Data.
3. Represent the following data by a simple bar diagram

Year	Production
1974	45
1975	40
1976	44
1977	41
1978	49
1979	42
1980	55
1981	50

4. Compute the Arithmetic Mean for the following data:

Age in years	8	10	12	15	18
No. of workers	5	7	12	6	10

5. Find the Range and co-efficient of range for the following data:

Wages (in Rs.)	35-45	45-55	55-65	65-75	75-85
No. of workers	18	22	30	6	4

6. Prepare a histogram on the basis of following data:

Mid value	18	25	32	39	46	53	60
Frequency	10	15	32	42	26	12	9

7. Compute the median of the following frequency distribution:

Daily wages in Rs.	5	10	15	20	25	30
No. of persons	7	12	37	25	22	11

8. Ascertain the mean deviation about the mean for the following:-

Value (x):	10	11	12	13	14
Frequency (f):	3	12	18	12	3

Contd...

Section C

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

9. Explain in detail about functions of Statistics.
10. Classify the different types of Data.
11. Present the following data as a Pie Diagram relating to areas under different food-crops:

Food crops	Area in (000,000 acres)
Rice	8
Wheat	8
Barley	4
Jowar	2
Bajra	2
Maize	5
Others	11

12. Compute the Mean, Median and Mode for the following data:

Class	Frequency
1-10	3
11-20	7
21-30	13
31-40	17
41-50	12
51-60	10
61-70	8
71-80	8
81-90	6
91-100	6

13. The weekly salaries of a group of employees are given in the following table. Find the mean, Standard deviation and co-efficient of variation of Salaries.

Salary (in Rs.)	75	80	85	90	95	100
No. of persons	3	7	18	12	6	4
