

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

08UECCT1002 - Statistics for Economists - I

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. What are the functions of Statistics?
2. Predict the precautions to be followed in drafting a questionnaire.
3. Prepare a pie- diagram of the following data relating to areas under different food-crops:

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

4. Define mean, median and mode.
5. Interpret the quartile deviation from the following frequency distribution

Value	12	13	14	25	26	27	38	40
Frequency	2	3	5	8	7	3	2	1

6. Predict the limitations of Statistics.
7. Prepare an Ogive for the following distribution.

Wages (Rs.)	250-259	260-269	270-279	280-289	290-299	300-309	310-319
Number of workers	10	18	27	20	15	8	2

8. Predict the mode of the following set of observations:
3, 5, 7, 5, 9, 7, 5, 7, 6, 3, 9, 5, 6, 6, 3.

Section B

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

9. Explain the nature and scope of statistics.
10. Examine the various sources of primary and secondary data.
11. Compute a histogram and frequency curve for the following frequency distribution:

Weights (in Kg)	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80
Number of workers	4	5	9	6	11	5	7	3

contd...

12. Compute Mean and Median from the following data:

Daily wages Rs.	No. of persons
50-53	3
53-56	8
56-59	14
59-62	30
62-65	36
65-68	28
68-71	16
71-74	10
74-77	5

13. Examine the various measures of dispersion.
