

**ANNAI VIOLET ARTS AND SCIENCE COLLEGE**

**DEPARTMENT OF MATHEMATICS**

**CONTINUOUS INTERNAL ASSESSMENT – I (ODD SEM)**

**SUBJECT: BUSINESS STATISTICS**

**Class : II B.Com (CS)**

**Max. Marks : 50**

**Date : 05.09.2022**

**Sub. Code: AY23B**

**PART A ( $5 \times 2 = 10$  Marks)**

**Answer any FIVE questions**

1. Write any three difference between primary and secondary data
2. Form of a discrete frequency table from the following data the number of refrigerators sold on 22 working days by a leading agency 23,30,20,26,30,30,20,23,40,26,40,20,23,40,28,26,23,30,40,28,28,30.
3. Write any three properties of a good average .
4. Find the AM of the following data 12,50,10,9,11,14,6 .
5. Find the median for the following data 70,60,75,90,65,80,42,65,72.
6. Write the formula for quartile deviation in continuous type
7. How many types of kurtics are there in kurtosis and draw the graph.

**PART B – ( $2 \times 5 = 10$  Marks)**

**Answer any TWO questions**

8. Distinguish between classification and tabulation
9. Find mode

X	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45
F	3	6	10	20	15	5	4	2

10. Compute first four central moments

X	2	3	4	5	6
F	1	3	7	3	1

**PART C – ( $3 \times 10 = 30$  Marks)**

**Answer ALL questions**

11. Compute the GM for the data

Category	500	3750	3000	750	600	400	300	200
Income	2	4	6	8	6	100	10	50

12. Calculate Bowley' s coefficient of Skewness from the following data

x	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
F	10	25	20	15	10	35	25	10

13. Calculate standard deviation from the following data  
9,27,18,54,45,72,36,63,81

**Prepared by**  
Ms. Y. Lavanya  
Asst.Prof-Maths.