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Reg. No.....

Name.....

**FIVE YEAR B.Com., L.L.B (HONOURS) DEGREE EXAMINATION, JUNE 2024**

**Third Semester**

**FC 8—BUSINESS STATISTICS**

(2022 Admissions—Regular/2018 to 2021 Admissions—Supplementary)

Time : Three Hours

Maximum : 75 Marks

**Part A**

*Answer any five questions.  
Each question carries 3 marks.*

1. What is business statistics ?
2. Explain the meaning and importance of descriptive statistics.
3. Distinguish between simple and weighted averages.
4. Define Mean Deviation.
5. What are the positive and negative skewness ?
6. What is price index ? How does price index differ from quantity index ?

(5 × 3 = 15 marks)

**Part B**

*Answer any three questions.  
Each question carries 10 marks.*

7. What is meant by time series analysis ? What are its uses in business ?
8. What is meant by Kurtosis ? How does kurtosis differ from skewness ?
9. Define Standard Deviation. What are the uses of standard deviation ?
10. Calculate Mean deviation about median for the following data. Also find out coefficient of mean deviation :

X	Y
0—10	18
10—20	16
20—30	15
30—40	12
40—50	10
50—60	5
60—70	2
70—80	2

(3 × 10 = 30 marks)

**Turn over**

## Part C

*Answer any two questions.  
Each question carries 15 marks.*

11. Discuss the importance of Statistics in the field of business and commerce.  
12. The following are the scores of two batsmen A and B in a series of innings :—

A : 12 115 56 73 7 19 119 36 84 29  
B : 47 12 76 42 4 51 37 48 13 0

Who is better batsman ? Who is more consistent ?

13. Calculate Quantity Index Numbers using Paasche's and Fisher's formula :

Items	Price		Quantity	
	2015	2020	2015	2020
A ...	40	50	30	40
B ...	80	70	90	100
C ...	20	30	60	70
D ...	30	40	20	30

(2 × 15 = 30 marks)