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Reg. No.....

Name.....

**FIVE YEAR B.Com., LL.B. (HONOURS) DEGREE
EXAMINATION, FEBRUARY 2026**

Third Semester

F.C. 8—BUSINESS STATISTICS

(2024 Admissions—Regular/2018 to 2023 Admissions—Supplementary)

Time : Three Hours

Maximum : 75 Marks

Part A

Answer any five of the following questions.

Each question carries 3 marks.

1. Define Mean, Median, and Mode.
2. What are index numbers ? Mention their uses.
3. What is dispersion, and what are its measures ?
4. What is Tabulation ?
5. What are the components of time series analysis?
6. What do you mean by Consumer Price Index ?

(5 × 3 = 15 marks)

Part B

Answer any three of the following questions.

Each question carries 10 marks.

7. Discuss the functions and importance of statistics in business.
8. Explain the characteristics and uses of index numbers.
9. Find the mean, median, and mode of the following data :

Class Interval	:	0-10,	10-20,	20-30,	30-40,	40-50
Frequency	:	5,	7,	12,	10,	6

Turn over

10. Calculate range and its co-efficient from the following :

Days	Price of Shares	Days	Price of shares
Monday	140	Thursday	80
Tuesday	290	Friday	300
Wednesday	120	Saturday	220

(3 × 10 = 30 marks)

Part C

Answer any **two** of the following questions.

Each question carries 15 marks.

11. Define Index Numbers, Features and limitations.

12. Find Harmonic Mean :

Class	:	05-10	10-15	15-20	20-25	25-30	30-45
Frequency	:	2	9	29	54	11	5

13. A Company has three departments namely D1, D2 and D3. Analysis of the monthly salary paid to employees in the three departments is given below.

	D1	D2	D3
Number of Employees	20	25	40
Average Monthly Salary	305	300	340
Standard Deviation	50	40	45

Find the average and Standard Deviation of the monthly salary of all the 85 employees in the company.

(2 × 15 = 30 marks)