

18080

B.B.A. Examination, May-2025

QUANTITATIVE TECHNIQUES FOR

BUSINESS

(BBA-201)

(New Course)

Time : Three Hours] [Maximum Marks : 75

Note : Attempt **all** sections as per instructions.

Section-A

(Very Short Answer Questions)

Note : Attempt **all** the **five** questions. Each question carries **3** marks. Very short answer is required not exceeding **75** words. $5 \times 3 = 15$

1. Explain the mathematical properties of Arithmetic Mean.

P.T.O.

2. What is meant by Dispersion?
3. What is correlation.
4. Define Ogive Curve.
5. Difference between census and sample.

Section-B

(Short Answer Questions)

Note : Attempt any **two** questions out of the following **three** questions. Each question carries **7.5** marks.

$2 \times 7.5 = 15$

6. Calculate Mean Deviation and its coefficient (from mean) from the following data:- $\frac{1}{2}$
Marks : 5 15 25 35 45
No. of students : 5 6 15 20 4
7. Explain the concept of Regression Analysis along with its properties.
8. Define Interpolation & Extrapolation. How are they used in business decision making?

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12. Construct price index number from the data given below by using Fisher's ideal formula:-

Commodity	Base Year		Current Year	
	Price	Expenditure	Price	Expenditure
	per unit		per unit	
I	5	40	4	76
II	10	50	8	88
III	2	16	1	24
IV	8	32	10	60

13. What is Probability Distribution? Discuss the different types of probability distribution in detail, including their characteristics, examples, & applications in real world scenarios.