

**A-1385**

Total Pages : 4

Roll No. ....

**BBA-302**

**Bachelor of Business Administration (BBA)**

**Business Statistics**

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

*Note :-* This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**Long Answer Type Questions (2×19=38)**

*Note :-* Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

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( 1 )

P.T.O.

1. Explain the types of tables used in statistics. Discuss the rules to be followed while constructing statistical tables.
2. Explain the concept, objectives and importance of measures of central tendency.
3. The following data relates to the marks obtained by 100 students in a statistics test :

| Marks | Students |
|-------|----------|
| 0-10  | 5        |
| 10-20 | 10       |
| 20-30 | 20       |
| 30-40 | 30       |
| 40-50 | 25       |
| 50-60 | 10       |

Calculate; Arithmetic mean, Median, quartile deviation, Standard deviation.

4. The regression coefficient of Y on X is 0.8 and that of X on Y is 0.5. Find the coefficient of correlation and state whether it is positive or negative.
5. Explain time series analysis and its importance in business forecasting.

## Section–B

### Short Answer Type Questions (4×8=32)

**Note** :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. What do you understand by bar diagram and pie diagram? State any two limitations of diagrams and graphs.
2. Calculate the mode from following data :

| Class Interval | Frequency |
|----------------|-----------|
| 10-20          | 6         |
| 20-30          | 10        |
| 30-40          | 18        |
| 40-50          | 8         |

3. The median of a distribution is 28. If the total frequency is 60 and cumulative frequency before median class is 25, find the frequency of median class.
4. The average marks of 30 students are 60. If the average marks of 18 boys are 65, find the average marks of girls.

5. If Mean = 40 and Median = 38, find the Mode using empirical relation.
6. Distinguish between Correlation and Regression.
7. Explain the components of time series.
8. Explain the scatter diagram method of studying correlation.

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