

**P-734**

Total Pages : 3

Roll No. ....

**BBA-302**

**Business Statistics**

Bachelor of Business Administration (BBA)

3rd Semester Examination, 2023 (June)

**Time : 2 Hours]**

**[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 answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

**SECTION-A**

**(Long Answer Type Questions)**

**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.

(2×19=38)

1. Define Data classification. Explain the purpose and methods of classification of data giving suitable examples.

2. Define Measures of Central Tendency. Explain methods of measuring Central Tendency with examples.

3. Find the Mean, Median and Mode from the following data.

|                    |       |       |       |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Weight of Students | 32-36 | 36-40 | 40-44 | 44-48 | 48-52 | 52-56 | 56-60 | 60-64 |
| No. of Students    | 10    | 37    | 65    | 80    | 51    | 35    | 18    | 4     |

4. What is Rank correlation? State its steps for calculation of Spearman's Rank correlation coefficient and explain its merits and demerits.

5. Describe the various methods of construction of index numbers.

### SECTION-B

#### (Short Answer Type Questions)

**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. (4×8=32)

1. What is Frequency and Frequency Distribution?

2. What is meant by measures of Dispersion? Explain its Characteristics.

3. Explain the Significance of diagrams & graphs.
  4. Define Harmonic Mean.
  5. Explain Mean Deviation and Standard Deviation.
  6. Define the components of Time Series.
  7. Explain difference between Correlation and Regression.
  8. Discuss what is weighted Index Number.
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