

G-1827**Bachelor of Business Administration
(IInd Semester)****Examination, May-June, 2023****BUSINESS STATISTICS****(108)****Time Allowed : Three Hours****Maximum Marks : 90**

Note : Attempt all five questions. One question from each unit is compulsory. All questions carry equal marks.

UNIT-I

- Q. 1.** Statistics is science as well as arts which play a very important role in business, explain in your words.

OR

What do you mean by central tendencies ? Write down role of mean, median and mode to measure the central tendency.

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- Q. 2.** What do you understand by term skewness and kurtosis ? Explain it in details

OR

What is statistical investigation ? Explain the types and stages of statistical investigation

UNIT-III

- Q. 3.** Find the mean and standard deviation of the following data :

x : 57 59 50 55 65 57 66 58

OR

Statistics has its own limitation, explain in details with meaning and scope of statistics

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(3)

UNIT-IV

Q. 4. Write down short note on :

- (a) Tabulation
- (b) Rank Correlation

OR

- (a) The rank correlation coefficient between the marks obtained by 10 students in Mathematics and Economics are found to be 0.5. Find the sum of squares of difference of marks.
- (b) What is the difference between Spearman's and Karl Pearson's coefficient of correlation ?

UNIT-V

Q. 5. Explain clearly the meaning of time series analysis. Indicate the importance of such analysis in business.

(4)

OR

Write price index of weighted average of price relative :

Commodities	P_0	Q_0	Q_1
Sugar	10	6 kg	15
Rice	20	10 kg	25
Milk	10	8 lt	14