

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 07

BBA (Sem.-3)
BUSINESS STATS
Subject Code : BB-304
Paper ID : [C0216]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

SECTION-A**1. Answer briefly :**

- a) Difference between geometric mean and harmonic mean.
- b) What are the limitations of mean deviation?
- c) What are the applications of standard deviation?
- d) What is a normal distribution?
- e) What is data?
- f) What is moving averages method?
- g) Discuss the features of poisson distribution.
- h) What is Bayes' theorem?
- i) What is the classical approach to probability?
- j) What is quartile deviation?

SECTION-B

2. What are the advantages of regression analysis over correlation analysis? Discuss by citing examples.
3. What is meant by time series analysis? Discuss the applications of time series analysis.
4. Write notes on the following :
 - a) Classification of data
 - b) Graphical presentation of data
5. Write detailed notes on :
 - a) Assumptions of normal distribution
 - b) Applications of coefficient of variation and standard deviation
6. Discuss the merits and demerits of measures of central tendency.
7. Calculate 5 yearly moving average trend values for the following data :

Year	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Production	672	679	690	702	712	802	807	809	816	821