BBA-302

Business Statistics

(व्यवसायिक सांख्यिकी)

Bachelor of Business Administration

(BBA-10/12/16/17)

Third Semester

Examination-2019

Time : 3 Hours   *[Maximum Marks : 80*

Note : This paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section–A

Long Answer Types Questions

Note : Section 'A' contains Five (05) long-answer-type questions of Fifteen (15) marks each. Learners are required to answer any three (03) questions only.   **(3×15=45)**

(2)

1. Define the term Skewness & Kurtosis? Elaborate various tests of Skewness.

2. Calculate mean, standard deviation, variance & coefficient of variation from the following data:

Marks	No. of Students
0-10	05
10-20	08
20-30	07
30-40	12
40-50	28
50-60	20
60-70	10
70-80	10

3. Discuss the importance of classification of data in statistics. Discuss five essential parts of a good table.

4. A bag contains 4 white and 3 black balls. Find the probability that in a draw first ball should be white, second black and third white and this order will continue, if they are drawn one by one.

5. What is time series analysis? Discuss its importance in business.

(3)

Section–B

Short Answer Types Questions

Note : Section 'B' contains Eight (08) short-answer-type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only. **(5×7=35)**

1. Distinguish between correlation and regression.

2. If mean is 65, mode is 80 and variance is 625. Find out coefficient of skewness.

3. Discuss Important characteristics of normal distribution.

4. Write a short note on importance of Index number.

5. What do you deduce from the data, for a Poission distribution which has its mean = 8 and variance = 7.

6. What is dispersion? Discuss its importance in stastical methods.

7. "Statistics is science of country". Elucidate the statement.

8. What is central tendency? Discuss its importance.