BBA–102(O)

B. B. A. (First Semester)

EXAMINATION, Dec., 2013

(Old Course)

Paper Second

BUSINESS STATISTICS

Time : Three Hours] [*Maximum Marks : 75*

[*Minimum Pass Marks : 26*

Note : Attempt all the *five* questions. All questions carry equal marks. Statistical tables will be made available on demand.

1. Distinguish between classification and tabulation. Explain the purpose and methods of classification of data giving suitable examples.

Or

What is meant by central tendency ? Discuss the measures of measuring central tendency and point out the usefulness and limitation of each method.

2. Write a note on different methods of primary data collection.

Or

Define correlation and discuss various methods of studying correlation between two variables.

3. What do you understand by Dispersion ? Discuss the relative merits and demerits of various measures of dispersion.

Or

Find out the missing frequency in the following frequency distribution, if mean is 30 :

Class	Frequency
0–10	5
10–20	6
20–30	10
30–40	7
40–50	13

4. Find the quartile deviation and its coefficient from the following series :

Mid point	Frequency
1	2
2	9
3	11
4	14
5	20
6	24
7	20
8	16
9	5
10	2

Find the coefficient of correlation from the following data and interpret the result :

X	Y
7	18
6	16
3	9
4	13
2	5
1	6
5	15

5. Four cards are drawn at random from a pack of cards without replacement. What is the probability that all the four will be of different suits ?

Or

What do you understand by the term time series ? Discuss the various components of a time series.