Roll No. Exam Code : J-19

Subject Code—0766

B. B. A. (Second Year) EXAMINATION

(For Batch 2009 to 2017)

BUSINESS STATISTICS

BBA-202

Time : 3 Hours Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. 7×5=35

- 1. Explain the uses of statistics.
- 2. State the advantages of systematic sampling.
- 3. Explain the utility of geometric mean.
- **4.** What is coefficient of variation ? What purpose does it serve ?
- **5.** What do you understand by skewness and Kurtosis ?
- (3-76-1-0519) J-0766 P.T.O.

- 6. Explain the concept of correlation.
- 7. What are the properties of regression coefficients ?
- 8. What is Fisher's Ideal Index ?
- **9.** What role probability theory plays in decision making ?
- 10. What is meant by best fit line ?

Section B

- **Note** : Attempt all the questions.
- 11. What do you understand by a time series ?Explain its various components and give uses of time series analysis.

Or

Discuss the salient features of Poisson and normal distributions. 12

2

J-0766

12. Find out the standard deviation of the height of 12 persons given below :
160 160 161 162 163 163 165 167 169 170 172 175

Or

Calculate the Karl Pearson's Coefficient of correlation for the following :

- X : 23 27 28 28 28 30 30 Y : 18 20 22 27 21 29 27 X : 33 35 38 Y : 29 28 29.
- **13.** Discuss the various measures of central tendency along with their merits and demerits.

Or

What is the probability that a leap year selected at random will contain either 53 Thursdays or 53 Fridays ? 11

3

(3-76-2-0519) **J-0766**

150

12