

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 ?

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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**

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.

12

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**