Revision Paper (2015-16)

Class-B.Com-II

Sub: Business Statistics

Paper-IV

Time: 3 Hours Maximum Marks: 80

Note: Attempt five questions in all, selecting at least one question but not more than two questions from any unit. All questions carry equal marks.

Unit-I

- 1. Define Statistics. Discuss its importance. Why people distrust statistics?
- 2. What is frequency Distribution? Describe various ways by which a frequency Distribution can be represented graphically.
- 3. (a) Explain the mathematical properties of standard deviation.
 - (b) Calculate Pearson's coefficient of skewness from the following data:-

4. Obtain two regression equations from the following data:-

Also find

- (i) Value of Y when X = 30
- (ii) Correlation between X and Y

Unit-II

- 5. "Index numbers are called economic barometers". Explain this statement. What precaution will you take while constructing an index number?
- 6. Find Fisher's Price Index from the following data and show how it satisfies Time Reversal Test.

Year	Product A	Product A		Product B		Product C	
	Price	Value in Rs.	Price	Value in Rs.	Price	Value in Rs.	
2010	5	50	8	48	6	24	
2011	4	58	7	49	5	15	

- 7. What is Time Series? Explain briefly the various components of Time Series.
- 8. Write short Notes on:
 - (a) Bayes Theorem.
 - (b) Dependent and Independent Events.
 - (c) Mutually Exclusive and Equally Likely Events.
- 9. What is Normal Distribution? Explain its properties.
- 10. (a) A Person is known to hit the target in 3 out of 4 shots whereas another person is known to hit the target in 2 out of 3 shots. Find the Probability of the target being hit at all when they both try.
- (b) A bag contents 5 Red and 4 green balls. Another bag contains 4 Red and 6 green balls. A ball is drawn from first bag and is placed in second bag. A ball is then drawn from the second bag. What is the probability that it is Red?