BUSINESS STATISTICS
B.Com. II Year

Long Answer Questions:

1. What is data collection?

2. Mention methods of classification?

3. Calculate combined A.M. from following information.

	Factory A	Factory B
Mean	Rs. 120	Rs. 80
No. of workers	Rs. 80	Rs. 120

4. Calculate G.M. of following data 70, 10, 500, 75, 8, 250

5. By using the following information determine w. efficient of skewness AM = 7.35, Mode = 8, S.D = 1.33.

6. If the correlation coefficient = 0.86 and regression w. efficient of X on Y = 102. Find regression w efficient Y on X.

7. The straight line trend equation is Y = 45+2.5x where the year of origin = 1996, x unit = 1 yr and Y unit = annual value revise the above equation by shifting the origin to 1999.

8. Probable error.

9. If bxy = 0.30 & byx = 3.25, find the co-efficient of co-relation?

10. Functions of statistics.

11. Diff b/w questionnaire & schedule?

12. Explain cost of living index no.

13. Explain utility of time series analysis.

14. If mode = 16, Mean = 15.6, find the median?

15. Given Q_3=40, Q_1=15, calculate quartile deviation and its coefficients?

16. If bxy=0.5, r=0.8 and variance of X=18, find SD of Y.

17. Given Y = 150+12x (origin 2009), X unit = 1 yr, Y unit = annual profits (000 Rs.) convert into monthly trend equation?

LONG QUESTIONS:

Unit - I

1. Discuss the essentials of a good questionnaire what are the difference between questionnaire and schedule?

2. Define statistics? Explain the characteristics of statistics?

Unit - II

3.   a) From the following data calculate the arthematic mean.

Marks	Below 10	10-20	20-30	30-40	40-50
No. of Students	8	10	22	26	15

b) Calculate mode above 50 of the following data.

Marks Below:	0-10	20	30	40	50	60	70	8
No. of Students	4							

4.   State general principles for preparing a questionnaire?

5.   Explain various types of diagrams?

6.   What is questionnaire? Explain the feature of good questionnaire?

7.   Define statistics and explain functions of statistics?

8.   Define statistics & explain its characteristics?

9.   What do you understand by classification? Explain the different methods of classification?

10.   Arithmetic mean (continuous series & missing frequency).

11.   Median (Continuous series, missing frequency).

12.   Mode (Discrete & continuous series & indefined mode).

13.   Quarterly deviation (Continuous series).

14.   Mean deviation (Continuous series)

15.   Standard deviation (Continuous series)

16.   SKP method.

17.   SKB method.

18.   Karl pearson's co-efficient of co-relation method?

19.   Ranks co-relation (Ranks are given, Ranks are not given & ranks are equal)?

20.   Regression equation X on & & Y On X.

21.   Moving averages (Odd & Even method).

22.   Least square method (Odd & Even method)

23.   Index Numbers:
      Compute index numbers by using all formulas and time reversal test & factor reversal test?

24.   Find the aggregative method & family budget method?