STATISTICS PRACTICAL

ration of Examination: Four Hours

x. Marks:

Arts - 65

Science - 75

distribution of marks will be as follows:

	B.A.	B.Sc.
Practicals	39 Marks	45 Marks
Practical Record	13 Marks	15 Marks
⁷ iva- voce	13 Marks	15 Marks
a1:	65 Marks	75 Marks

following topics are prescribed for practical work:

Fitting of (i) Binomial distribution when (a) p-known (b) p-unknown, (ii) Poisson distribution (iii) Normal distribution.

Exercise based on area property of Normal distribution.

Fitting of curves: (i) Straight line (ii) Parabola (iii) Exponential and Power curves.

Calculation of correlation coefficient by (i) Karl Pearson's method and (ii) Spearman's rank method.

Construction of regression line.

- Preparation of bivariate frequency distribution, calculation of correlation coefficient and construction of regression lines.
- 7. Calculation of Multiple and Partial correlation coefficients and construction of multiple regression equations (For three variables only)
- 8. Time Series: Determination of trend by (i) Least square method (ii) Moving average method (including weighted averages).
- 9. Determination of seasonal variation by (1) Simple average method (ii) Ratio to trend method (iii) Ratio to moving average method and (iv) Link relative method.
- 10. Construction of Index Numbers by (i) Laspeyre's (ii) Paasche's (iii) Fisher's (iv) Dorbish-Bowley's and, (v) Marshall Edgeworth's formulas.
- 11. Tests of Ideal Index numbers.
- (i) Fixed base and chain base Index numbers (ii) Whole sale price Index number (iii) Cost of living Index number (iv)Base shifting, splicing & deflating.

Note: "Students may be tried to familiarize and utilize statistical packages in solving the relevant statistical practical exercises on Computers".

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