BA DEGREE EXAMINATION MAY 2018
(Third Semester)

Branch- ECONOMICS

STATISTICAL METHODS -1

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry EQUAL marks   (10x2 = 20)

1   Statistics
2   Sampling
3   Range
4   Histogram
5   Geometric Mean
6   Median
7   Skewness
8   Kurtosis
9   Scatter diagram
10   Regression

SECTION - B (25 Marks!
Answer ALL Questions
ALL Questions Carry EQUAL Marks (5 x 5 = 25)

11 a What are the sources of collecting secondary data?
                    OR
    b List out the characteristics of a good questionnaire.

12 a Explain the general rules for constructing diagrams.
                    OR
    b   Illustrate various types of bar diagrams with examples.

13 a Calculate Geometric Mean from the following data
        125   1462 38 7   0.22 0.08   12.75 0.5
                    OR
    b Explain about Lorenz curve.

14 a Describe the types of skewness.
                    OR
    b Calculate Bowley's coefficient of skewness for the following frequency.

Family Size	0	1	2	3	4	5	6
No. of Family	7	10	16	25	18	11	8

15 a   Describe significance of correlation analysis.
                    OR
    b Define regression; state the importance of regression analysis.

SECTION - C (30 Marksl
Answer any THREE Questions
ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16   Discuss briefly the different techniques of sampling.
17   Explain about (a) Types of Classification (b) Types of Tabulation
18   Calculate Mean, Median and Mode from the following data.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	8	15	22	20	10	5

Calculate Karl Pearson's coefficient of skewness from the following data.

Marks	20-25	25-30	30-35	35-40	40-45	45-50
No. of Students	8	12	20	25	15	12

20   Calculate Karl Pearson's correlation coefficient from the following data.

X	60	62	64	66	68	70	72
Y	61	63	63	63	64	65	67

                    Z-Z-Z   END