

**B.A., LL.B. (Hons.) DEGREE FOURTH SEMESTER EXAMINATION, MAY  
2025**

**DESCRIPTIVE STATISTICS**

**Time: 3 Hours**

**Maximum Marks: 50**

**PART-A**

**Answer ANY FOUR questions. Each question carries TEN marks**

**(4 x 10 = 40)**

- I. “Science of Statistics is the useful servant, but only of great value to those who understand its proper use”-Discuss
- II. Explain briefly the steps required for constructing Cost of Living Index. Also, briefly explain the difficulties in the construction of Cost of Living Index.
- III. Compare and contrast different methods of collecting primary data. In your opinion which method is suitable for collecting data from larger population.
- IV. Discuss various Probability Sampling methods used by a researcher to collect samples from the Universe.
- V. “A statistical survey passes through different stages starting from planning the survey to submitting final report”. Explain briefly different stages comes under planning the survey.
- VI. Write short notes on :  
(a). Measures of central tendency (b). Skewness (c) Correlation (d) Coefficient of Variation

**PART-B**

**Answer ANY TWO Problems. Each problem carries FIVE marks (2 x 5 = 10)**

- VII. Calculate Mean deviation about mean for the following data

Class	Frequency
0-100	34
100-200	51
200-300	17
300-400	56
400-500	73
500-600	85
600-700	94
700-800	86
800-900	98
900-1000	29

VIII. Calculate Bowley's Coefficient of Skewness from the following data.

Class	Frequency
0-9	123
10-19	132
20-29	127
30-39	146
40-49	111
50-59	125
60-69	142
70-79	111
80-89	116
90-99	131

IX. Runs scored by two players in ten matches is given below. Find out who is more efficient and who is more consistent?

Batsman A	Batsman B
121	76
132	88
19	91
54	121
110	100
123	0
100	76
0	76
28	75
12	32

X. Calculate Karl Pearson's coefficient of correlation and interpret the result

X : 14 15 18 25 36 48 45 67 78 87 90 90 56 76 87 58 90 76

Y : 24 35 29 35 35 56 48 47 58 78 45 67 58 77 88 47 67 67

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