M. A. (Final) Examination, 2001
SOCIOLOGY
Paper — VII (A)
Advanced Social Statistics

Time: 3 Hours]   [Maximum Marks: 100

Attempt any **five** questions.
All questions carry equal marks.

1. Discuss the role of statistics in interpretation of sociological data.   **20**

2. Define variable and discuss various types of measurement of variable   **5+15**

3. What is tabulation? Discuss its types.   **10+10**

4. The mean of a distribution is 50.8 and the standard deviation is 8.2. Assuming that the distribution is normal what area of normal curve would fall: **5+5+5+5**

    (i)   between 46 and 56

    (ii) between 45 and 50

    (iii) above 44

    (iv) below 53

5. Calculate Rho of the following data: **20**

    x   60 56, 42, 56, 49, 56, 60. 45, 49, 51

    y   52, *55,* 55, 55, 49, 68, 65, 62, 61, 49

6. Calculate Lambda and Kendal's Tau of the following data   **10+10**

	B	
A	54	60
	40	56

7. Write an essay on 'Set Theory'.   **20**

8. What do you understand by Multivariate Analysis? Explain the meaning of binomial probabilities.   **10+10**

9. Discuss the significance of graphical and diagrammatic presentation of sociological data.   **10+10**

10. Write short notes on any **two** of the following   **10+10**

    (i)   Normal Distribution

    (ii) Bivariate Analysis

    (iii) Grouping of Data