

Reg. No.....

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Name.....

SECOND SEMESTER M.S.W. DEGREE EXAMINATION, MAY/JUNE 2005

S.W. 224—SOCIAL WORK RESEARCH AND STATISTICS

Time : Three Hours

Maximum : 75 Marks

Part I

*Answer any five questions. Each question carries 6 marks.
Each answer should not exceed 300 words.*

1. Explain the significance of social work research to social work profession in the modern times.
2. What is variable ? Bring out the difference in dependent and independent variable.
3. What are the criteria for selecting a research problem for study ?
4. Explain the quantitative methods of data collection.
5. Write short notes on :

(1) Pilot study.

(2) Pre-testing.

6. What do you understand by classification and tabulation ? Illustrate it with an example.
7. Prepare a Histogram and a Frequency polygon from the following data :

Class	0—6	6—12	12—18	18—24	24—30	30—36
<i>f</i>	4	8	15	20	12	6

8. Daily sales (recorded in rupees) of a retail shop are given below :

Daily sales in Rs. X-mid pt. of	102	106	110	114	118	122	126
Number of days. (frequency- <i>f</i>)	3	9	25	35	17	10	1

Calculate the mean and the S.D. of the above data and explain what they indicate about the distribution of daily sales.

(5 × 6 = 30 marks)

Turn over

Part II

Answer any three questions.
Each question carries 15 marks.

9. What is hypothesis ? Explain the types and usefulness of hypothesis in social research.
10. Discuss the major tools of data collection and their advantages and disadvantages.
11. Explain the process of data analysis and presentation of Research report.
12. Give a suitable definition of science of statistics. Why is a course in statistics important to a student of social work ? Point out the limitation of this science.
13. (a) Explain briefly the different methods of measuring association between two attributes.

(5 marks)

- (b) A survey was conducted in respect of marital status and success in examination. Out of 2000 persons who appeared for an examination, 80% of them were boys, and the rest were girls. Among 300 married boys, 140 were successful, among unmarried boys 1,100 were successful. In respect of 100 married girls 40 were successful, 200 unmarried girls were also successful. Construct two separate nine square tables, and find out the Yule's coefficient of association to discuss the association between marital status and success in examination.

(10 marks)

(3 × 15 = 45 marks)

Class	0-6	6-12	12-18	18-24	24-30	30-36
f	4	8	16	30	12	6

Days since the last X mid pt. of	103	106	110	114	118	122	126
Number of days (frequency)	3	8	28	36	17	10	1