Second Semester M.S.W. Degree Examination, June 2007
(New Scheme – 2006 Admns.)
SW.2.2.4 : SOCIAL WORK RESEARCH AND STATISTICS

Time : 3 Hours

Max. Marks : 75

PART – I

Answer **any 5** questions. **Each** question carries **6** marks. **Each** answer should **not** exceed **300** words.

1. What is 'operational definition' with an example ?

2. Distinguish between a Null hypothesis and Alternate hypothesis.

3. Explain any two non-random sampling methods.

4. What is a Case Study method ?

5. The following are some of the hypothesis stated in the study titled "Opinion of teachers on Sex Education".

   i) Marital status of the teacher influence the notion about sexual behavior among teenagers.

   ii) Notion about the sexual behaviour among teenagers influence willingness to provide sex education for teenagers.

   Identify independent and dependent variables, if any, for above stated hypotheses.

6. Compute the arithmetic mean for the following data

Class	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70
Frequency	4	3	6	11	7	2	2

P.T.O.

7. Compute the mode for the following data

Class	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
Frequency	4	7	15	11	6	9	4	3

8. Compute the range and coefficient of range for the following data set:

150, 175, 35, 52, 73, 29, 86, 57.

PART – II

Answer **any three** questions. **Each** question carries **15** marks. **Each** answer should **not** exceed **1200** words:

9. Discuss the different steps in research.

10. Explain the concept of correlation and its measures.

11. Explain the different data collection tools in research.

12. Develop a regression equation for the following data:

X	6	9	12	5	8	14
Y	5	20	15	12	9	11

13. From the following data can the researcher conclude that income of the person varies with the place of residence:

Place of residence	Income		
	Low	Moderate	High
Rural	37	42	40
Urban	30	37	57