Reg. No. : ....

Name : ....

Second Semester M.S.W. Degree Examination, July 2012
S.W. 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. Write a note on reliability and validity.

2. What are the strengths and weaknesses of qualitative research ?

3. What is the various research designs commonly used in social work research ?

4. Discuss the relevance of social work research in India.

5. Given the intelligence test result of eleven students from a class. Calculate the mean and median :

   Scores : 128 104 132 117 122 85 141 134 143 165 115

6. What are the uses and limitations of statistics in Social Work Research ?

7. What is hypothesis ? Explain the procedure of hypothesis testing.

8. The mean salary of 100 employees in an educational institution is Rs. 15269 and the institution claims that their average salary is Rs. 15,200/- and standard deviation is Rs. 1,248/- Test the validity of this claim. (Table value at 5% level of significance is 1.96).   **(5×6=30 Marks)**

PART – II

Answer **any 3** questions. **Each** question carries **15** marks. **Each** answer should not exceed **1200** words.

9. Calculate the Quartile Deviation and coefficient of quartile deviation of following data :

100 – 200	200 – 300	300 – 400	400 – 500	500 – 600	600 – 700	700 – 800
5	6	15	10	5	4	3

10. How do you make use of statistics in social work research ? What are the tests usually used and how do you interpret them ?

11. Governments have started to identify various categories of population having high prevalence of HIV/AIDS. It is recently found that Men having sex with Men (MSM) is one of the important at risk group. As social workers how will you design a research methodology to carry out a study on this issue ?

12. National Rural Health Mission has taken the samples of incidence of communicable diseases from four panchayats in four seasons. Samples have been collected and mean incidence rate is taken to see the difference between them. Incidence in various seasons is given below. Find out the difference using one way analysis of variance.

Panchayat		Incidence		
	Winter	**Autumn**	**Summer**	**Rainy**
1. Panchayat A	220	350	230	300
2. Panchayat B	380	690	320	450
3. Panchayat C	550	200	200	600
4. Panchayat D	450	250	250	350

13. What are the various sampling techniques used in Social Work Research ?

(3×15=45 Marks)