Reg. No.: .....

Name : .....

M 12897

Third Semester M.S.W. Degree Examination, January 2007
Paper – XVI : QUANTITATIVE METHODS IN SOCIAL RESEARCH

Time: 3 Hours Max. Marks: 80

PART – I

Answer **any six** questions. **Each** question carries **3** marks. Answer to a question is limited to **100** words :

Write short notes on :

1. Functions of statistics
2. Median
3. Skewness
4. Phi-Co-efficient
5. Internet
6. Significance level
7. Quartile Deviation
8. Statistical Packages
9. Histogram.

(6×3=18)

PART – II

Answer **any five** questions. **All** questions carry **equal** marks. Answer to a question should not exceed **200** words.

10. Briefly explain the uses and limitations of graphic presentation of Data.
11. Discuss the applicability of statistics in social work research.
12. Describe the different measures of central tendency of a frequency distribution, mentioning their merits and demerits.
13. Explain 't' - test.

P.T.O.

14. Find the mean for the following frequency distribution.

Class Interval	40-50	50-60	60-70	70-80	80-90	Total
Frequency	4	11	19	10	6	50

15. Calculate the standard deviation for the following data.

26 32 15 24 26 15 22 10 16 21 30 11
18 14 27 31 29 17 33 25

16. Calculate co-efficient of correlation between the 2 variables.

X	8	10	15	17	20	22	24	25
Y	25	30	32	35	37	40	42	45

17. Explain scatter diagram with sketches. **(5×6=30)**

PART – III

Answer **any two** questions. **Each** question carries **16** marks :

Answer to a question is limited to **900** words.

18. Explain the procedure of testing a hypothesis. What do you mean by one-tailed and two tailed tests.

19. Apply Chi-square test to test whether attributes smoking and literacy are independent.

	Smokers	Non-smokers
Literates	13	197
Illiterates	46	204

(Table value = 3.84)

20. The following are the distribution of monthly pay of workers of 2 factories. Compute co-efficient of variation for both and compare their variation.

Pay (Rs.)	400-600	600-800	800-1000	1000-1200	1200-1400
Factory : A	4	18	25	2	1
Factory : B	10	20	42	18	10

(2×16=32)