



Reg. No. :

Name :

Second Semester M.A. Sociology Degree Examination, June 2008**New Scheme : 2007 Admission****SO 223 : SOCIAL STATISTICS AND COMPUTER APPLICATIONS**

Time : 3 Hours

Max. Marks : 75

Instructions : a) Answer any five questions.

b) Each question carries 15 marks.

c) Each answer should not exceed 1000 words.

1. Define measurement and explain the differences between the nominal, ordinal, interval and ratio scales of measurement.
2. Describe the various graphic techniques and their importance in social research.
3. Calculate Mean, Median and Mode for the following data :

X	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Y	16	22	27	32	45	51	20	17

4. Calculate quartile deviation for the following data :

Class interval	0-5	6-11	12-17	18-23	24-29	30-35	36-41
Frequency	24	36	42	28	34	46	30

5. Calculate rank correlation coefficient between X and Y

X	5	8	6	7	4	10	3	2	1	9
Y	10	2	6	8	6	4	9	2	8	5



6. Find out Chi -square from the following data and state whether the education of parents is associated with number of children in a family. 5% value of Chi-square at 3 and 4 degrees of freedom are respectively 7.82 and 9.49.

No. of children per family	Education of parents		
	UG	PG	PG and above
0-1	30	25	20
2-3	70	65	35
4 and above	50	10	15

7. Explain Regression Analysis and list its importance in Social Research.
8. Examine the role of computers in statistical analysis.