



Reg. No. :

Name :

Second Semester M.A. Sociology Degree Examination, August 2009
(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 statistics and discuss its nature and types.
2. Explain classification of data and its types.
3. Calculate Median and Mode for the following data :

Marks	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80
No. of Students	32	41	49	51	55	30	20	22

4. Calculate Mean Deviation for the following data :

X	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Y	17	13	16	14	12	8	6	4



5. Calculate Karl-Pearson's coefficient of correlation for the following data and comment on its 'r' value.

X	20	35	44	51	32	26	42	54	36	40
Y	15	20	32	43	18	22	34	42	24	20

6. In a locality having a population of 5,000, 1,000 were attacked by Polio; 2000 were vaccinated. Out of the vaccinated only 200 were attacked. Is vaccination effective against the attack of polio. 5% value of χ^2 at 1 d.f. is 3.841.
7. Analyse the modes of using tests of significance and conditions under which they are to be used in social research.
8. Evaluate the uses of internet in social science research.

Marks	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80
No. of Students	32	41	49	31	32	30	20	22

X	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Y	17	13	16	14	12	8	6	4