Reg. No. ....   (Pages: 2)   **K3971**

Name. ....

SECOND SEMESTER M.A. (SOCIOLOGY) DEGREE EXAMINATION MAY./ JUNE 2006
SOCIOLOGY

SO.223 – SOCIAL STATISTICS

Time: 3 Hours   Max. Marks: 75

Answer any five questions. Each question carries 15 marks.

For description questions answers should not exceed 1000 words.

1.   Define statistics. Discuss its uses.

2.   What is classification? Explain different types of classification.

3.   Examine the merits and demerits of mean, median and mode.

4.   Calculate mean deviation from the following data:

Age	No. of persons
20-30	45
30-40	80
40-50	40
50-60	35
60-70	63
70-80	31

5.   Compute the correlation coefficient by rank differences given below:

Rank by Judge A	Rank by Judge B
3	4
6	6
1	1
4	2
8	10
9	7
5	8
2	3
7	5
10	9

6. Calculate mode for the following data by using (Mode = 3 median – 2 mean) formula:

Weight (in Kgs)	No. of persons
40 – 45	13
45 – 50	10
50 – 55	19
55 – 60	22
60 – 65	21
65 –70	33
70 – 75	11
75 – 80	7

7. The following table gives the classification of 100 workers according to sex and the nature of work. Test whether nature of work is independent of the sex of the worker.

	Skilled	Unskilled
Males	40	20
Females	10	30

(For $\upsilon = 1$, $\chi^2_{0.05}$ is 3.84).

8. Narrate the uses of computer in statistical analysis of data.