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Reg. No.....

(Pages : 2)

K 6346

Name.....

SECOND SEMESTER M.A. DEGREE EXAMINATION, MAY/JUNE 2005

Branch : Sociology .

SO 223—SOCIAL STATISTICS

Time : Three Hours

Maximum : 75 Marks

Answer any five questions.

Each question carries 15 marks.

The answer should be limited to 1,000 words.

1. What is the need for averaging ? What are the properties of a good average ?
2. What is meant by dispersion ? How is it different from an average ?
3. Analyse the conditions for using *t* test and F test.
4. Explain the criteria which have to be taken into account during classification and tabulation of data.
5. Calculate S.D. for the following data. The table provides age distribution of 650 members :

Age in years	Frequency
20—30	5
30—40	72
40—50	138
50—60	171
60—70	160
70—80	100
80—90	4

6. Calculate Pearson's correlation coefficient for the following data :—

X	Y
28	18
27	32
28	23
29	24
30	25
31	26
33	28
35	29
36	30
32	39

Turn over

7. Calculate Rank Correlation Coefficient between X and Y :

X	Y
78	125
89	137
97	156
69	112
59	107
79	136
68	123
57	108

8. Discuss the uses and limitations of Statistics in social research.