

2017

M.A.

1st Semester Examination

SOCIOLOGY

PAPER—SOC-103

Subject Code—13

Full Marks : 50

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

1. Answer any two of the following questions : 2×10

(a) What do you mean by Research design ? What are the steps to formulate a problem in research design ?

4+6

(b) How does natural science research differs from social science ? critically discuss the concepts of positivism.

5+5

(c) (i) Define different measures of central tendency.

(Turn Over)

- (ii) Calculate mean, median and mode from the frequency distribution given below :

<i>Class Interval</i>	<i>Frequency</i>
5-9	→ 20
10-14	→ 27
15-19	→ 35
20-24	→ 37
25-29	→ 28
30-34	→ 22

- (d) Define scatter diagram. Construct a pearson's correlation coefficient (r) from the following given data: 4+6

x: 80	82	86	91	83	85	89	96	93	90
y: 146	140	130	117	133	127	115	95	100	98

2. Answer any four of the following questions : 4×5

(a) Find out the rank correlation from the given data :

x: 8	3	9	2	7	10	4	6	1	5
y: 9	5	10	1	8	9	3	4	2	6

- (b) Write a note on systematic and quota sampling.
- (c) What are the various steps in the construction of questionnaire.
- (d) What are the different levels of measurement? Give examples.
- (e) Find out the standard deviation from the given data.

<i>Class Interval</i>		<i>Frequency</i>
15-20	→	5
20-25	→	4
25-30	→	6
30-35	→	12
35-40	→	16
40-45	→	25

45-50 → 8

50-55 → 2

55-60 → 2

- (f) What are the steps in hypothesis testing? Explain with examples.

[Internal Assessment : 10 Marks]
