2016

M.A.

1st Semester Examination

SOCIOLOGY

PAPER—SOC-103

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) Critically discuss the issue of epistemology, positivism and empiricism.

   (b) What is survey research ? What are the general components of survey research ? How can a survey researcher be a good interviewer ?   2+4+4

(c) What are the advantages and disadvantgaes of using arithmetic mean as a measure of central tendency ? Find out the mean deviation and standard deviation from the given data —

Class Interval	Frequency
20 - 29	7
30 - 39	13
40 - 49	19
50 - 59	14
60 - 69	11
70 - 79	8
80 - 89	4

4+6

(d) At a particular village, out of 85 residents, 4 eductaed women and 40 uneducated women are in favour of the custom of dowry. And 31 educated women and 10 uneducated women are against the custom of dowry. Find out at $\alpha = 0.05$ significance level using appropriate statistical technique if education has any impact on the incidence of dowry.

Respondent	In favour of dowry	Against dowry	Total
Educated women	4	31	35
Uneducated women	40	10	50
	44	41	85

(Continued)

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

(a) What are the steps of problem formulation in research design ?

(b) Write a short note on telephonic interview schedule.

(c) Write a brief history of statistical tradition.

(d) Find out the correlation and interpret the result :

Husband's age (x)	Wife's age
38	30
29	20
28	21
38	28
35	25
32	26

(e) Draw an ogive and cumulative frequency percentage graph from the following data :

Class Interval	10-20	20-30	30-40	40-50	50-60
Frequency	5	12	30	20	3

(f) To study the effect of rain on wheat production, the following results were obtained :

	Mean	Standard Deviation
Production in kg per acre	800	12
Rainfall in inches	50	2

r = 0.80

Estimate the production when rainfall is 80 inches.

[Internal Assessment : 10 Marks]

———