



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.A. DEGREE EXAMINATION – SOCIOLOGY

FIFTH SEMESTER – APRIL 2024

USO 5501 – RESEARCH METHODS AND STATISTICS

Date: 02-04-2024

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART – A

(10 x 2 = 20 Marks)

Q. No Answer ALL questions in 50 words each.

- 1 Define social research.
- 2 What is induction?
- 3 What is a research problem?
- 4 Define pilot study.
- 5 What is bibliography?
- 6 What is the difference between questionnaire and interview?
- 7 Write the formula to calculate median in continuous series.
- 8 The marks scored by 10 students in Political Sociology is:
23, 55, 42, 61, 67, 30, 29, 10, 52, 84. Find the median marks.
- 9 What is probability sampling?
- 10 Mention any two components of a research report.

PART – B

(4 x 10 = 40 Marks)

Answer any FOUR questions in 600 words each

- 11 Differentiate idiographic and nomothetic methods of research with examples.
- 12 Explain any two types of research design.
- 13 Describe the characteristics of social research.
- 14 What is an interview? Explain its merits and demerits.
- 15 Highlight the important non-probability sampling methods in social research.
- 16 Explain case study as a qualitative research technique in social research.
- 17 Identify the advantages of interview schedule as a tool in data collection.
- 18 Calculate mean for the following data:

x	10-20	20-30	30-40	40-50	50-60	60-70
f	4	7	16	20	15	8

PART – C

(2 x 20 = 40 Marks)

Answer any TWO questions in 1000 words each

- 19 Explain the process of social research with the help of a flow diagram.
- 20 Highlight various types of social research.
- 21 Examine questionnaire as an important tool in social research.

Calculate median and mode for the following data:

x	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50
f	6	12	50	120	225	250	185	110	32	10