



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.A. DEGREE EXAMINATION – SOCIOLOGY

FIFTH SEMESTER – JULY 2024

USO 5501 – RESEARCH METHODS AND STATISTICS

Date: 13-06-2024

Dept. No.

Max. : 100 Marks

Time: 10:00 AM - 01:00 PM

SECTION A - K1 (CO1)

Answer ALL the Questions

(10 x 1 = 10)

1. **Define the following:**

- a) Social research
- b) Induction
- c) Research problem
- d) Pilot study
- e) Objectivity

2. **Answer the following:**

- a) What is a questionnaire?
- b) Write the formula to calculate median in continuous series.
- c) The marks scored by 12 students in Research Methods is:
34, 49, 42, 67, 50, 30, 29, 53, 52, 66, 37, 74. Find the mean marks.
- d) What is quota sampling?
- e) What is a project proposal?

SECTION A - K2 (CO1)

Answer ALL the Questions
10)

(10 x 1 =

3. **Match the following**

- a) Ethnography - non-probability sampling technique
- b) Cluster sampling - qualitative method of data collection
- c) Research design - probability sampling technique
- d) Snow ball sampling - explains how and why there is a relationship between two variables
- e) Explanatory research - blue print for the research

4. **Fill in the blanks:**

- a) _____ is a process in which one or more persons observe some real-life situation and record pertinent occurrences.
- b) _____ is the statistical process of selecting a subset of a population for research.
- c) _____ research is initiated to solve an ongoing problem.
- d) Theory-then-research strategy is called _____.
- e) In _____ method the whole nation or state or city may be covered.

SECTION B - K3 (CO2)

Answer any TWO of the following in 600 words
20)

(2 x 10 =

- 5. Explain the characteristics of social research.
- 6. Differentiate idiographic and nomothetic methods of research with examples.

7.	Identify the differences between probability and non-probability sampling with examples.										
8.	Explain the merits and demerits of questionnaire.										
SECTION C – K4 (CO3)											
	Answer any TWO of the following in 600 words (2 x 10 = 20)										
9.	Highlight the difference between pure and applied research.										
10.	Explain case study as a qualitative research technique in social research.										
11.	Explain the main components of a research report.										
12.	Calculate mean 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
SECTION D – K5 (CO4)											
	Answer any ONE of the following in 1000 words (1 x 20 = 20)										
13.	Highlight the process of social research with the help of a flow diagram.										
14.	Examine interview schedule as an important tool in social research.										
SECTION E – K6 (CO5)											
	Answer any ONE of the following in 1000 words (1 x 20 = 20)										
15.	Elucidate the various types of social research.										
16.	Calculate median for the following data:										
	x	100-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180		
	f	4	6	20	32	33	17	8	2		
