



# LOYOLA COLLEGE (AUTONOMOUS) CHENNAI – 600 034

**B.A. DEGREE EXAMINATION – SOCIOLOGY**

**FIFTH SEMESTER – JULY 2025**

**USO 5501 – RESEARCH METHODS AND STATISTICS**



Date: 11-07-2025

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) Review of literature.

c) Pilot study.

d) Case study.

e) Median.

**2. True or False:**

a) Social Research is research that focuses on the study of human groups or the processes of social interaction.

b) If you begin with theory and use it to explain particular observation this is known as induction.

c) When a study is carried out to determine its feasibility it is a pilot study.

d) Descriptive research is used to measure the effectiveness of an action programme.

e) Research design refers to the plan or strategy of conducting the research.

## SECTION A - K2 (CO1)

**Answer ALL the Questions**

**(10 x 1 = 10)**

**3. Fill in the blanks:**

a) \_\_\_\_\_ research employs quantitative measurement and the use of statistical analysis.

b) \_\_\_\_\_ refers to the plan or strategy of conducting the research.

c) \_\_\_\_\_ type of research involves the study of problem or phenomenon over a period of time.

d) \_\_\_\_\_ is defined as a process in which one or more persons observe some real-life situation process and record pertinent occurrences.

e) \_\_\_\_\_ is a verbal interchange often face to face in which an interviewer tries to elicit information from the respondents.

**4. Answer the following:**

a) What is objectivity?

b) Define sampling.

c) What is ethnography?

d) Mention any two types of research design.

e) Write the formula to calculate mode in continuous series.

## SECTION B - K3 (CO2)

**Answer any TWO of the following in 600 words each.**

**(2 x 10 = 20)**

5. Explain the characteristics of social research.

6. Highlight the differences between field study method and survey method.

7. Identify the differences between inductive and deductive approaches to social research with an example.

8. Examine the main components of chaptering a research report.

**SECTION C – K4 (CO3)****Answer any TWO of the following in 600 words each.****(2 x 10 = 20)**

9. Examine idiographic and nomothetic methods of social research.
10. Highlight any four probability sampling methods in social research.
11. Describe the important types of interviews.
12. The number of cancer patients attending a hospital in a month is given below. Find the average number of patients attending the hospital in a day:
- |                                    |      |       |       |       |       |       |
|------------------------------------|------|-------|-------|-------|-------|-------|
| No. of patients                    | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 |
| No. of days attending the hospital | 2    | 6     | 9     | 7     | 4     | 2     |

**SECTION D – K5 (CO4)****Answer any ONE of the following in 1200 words****(1 x 20 = 20)**

13. Explain the process of social research with a flow diagram.
14. Calculate mean and median 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 E – K6 (CO5)****Answer any ONE of the following in 1200 words****(1 x 20 = 20)**

15. Elucidate questionnaire as an important tool of data collection and create a questionnaire with 15 questions for a topic of your own choice.
16. Write a research proposal on the topic of your choice to a funding agency.

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