



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.A. DEGREE EXAMINATION – SOCIOLOGY

FIFTH SEMESTER – APRIL 2024

USO 5501 – RESEARCH METHODS AND STATISTICS

Date: 01-04-2024

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

SECTION A - K1 (CO1)

Answer ALL the Questions

(10 x 1 = 10)

1. Fill in the blanks

- a) ----- is the study used to determine the feasibility of conducting a large scale study.
- b) In ----- method the whole nation or state or city may be covered.
- c) ----- means data collected by someone else earlier.
- d) ----- provide a relatively cheap, quick, and efficient way of obtaining large amounts of information from a large sample of people.
- e) ----- is the formula to calculate median in continuous series.

2. True or False

- a) A variable is any characteristic, number, or quantity that can be measured or counted.
- b) Quantitative studies rely on numerical or measurable data.
- c) Research design is not the framework of research methods and techniques chosen by a researcher to conduct a study.
- d) Ethnography is descriptive study of a particular human society or the process of making such a study.
- e) A median is the middle number in a sorted list of numbers (either ascending or descending) used in statistical studies.

SECTION A - K2 (CO1)

Answer ALL the Questions

(10 x 1 = 10)

3. Distinguish between

- a) Theory and research
- b) Inductive and deductive methods
- c) Primary and secondary data
- d) Questionnaire and interview schedule
- e) Nomothetic and idiographic research

4. Define the following

- a) Social research
- b) Variable
- c) Research design
- d) Observation
- e) Mode

SECTION B - K3 (CO2)

Answer any TWO of the following in 600 words each.

(2 x 10 = 20)

- 5.** Explain the strength and weakness of the nomothetic approach.

6.	Examine the differences between pure and applied research.								
7.	Explain participant observation as a tool of data collection.								
8.	Find out the Median:								
	X	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
	F	2	3	4	3	2	1	0.5	0.1
SECTION C – K4 (CO3)									
Answer any TWO of the following in 600 words each.									(2 x 10 = 20)
9.	Analyse the quantitative and qualitative research methods.								
10.	Discuss the probability sampling methods.								
11.	Classify the types of questions in a questionnaire.								
12.	Calculate the Mode from the following data:								
	X	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
	F	5	15	30	55	85	60	45	25
SECTION D – K5 (CO4)									
Answer any ONE of the following in 1000 words									(1 x 20 = 20)
13.	Evaluate the types of research design.								
14.	Summarise the case study method with an example.								
SECTION E – K6 (CO5)									
Answer any ONE of the following in 1000 words									(1 x 20 = 20)
15.	Elucidate the various steps in social research with the help of a flow diagram.								
16.	Calculate mean and mode for the following data:								
	Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70	
	No. of Students	5	12	30	45	50	37	21	
