LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.A. DEGREE EXAMINATION – **SOCIOLOGY**

FIRST SEMESTER – **APRIL 2023**

PSO 1503 – RESEARCH METHODOLOGY

Date: 04-05-2023   Dept. No.   Max. : 100 Marks
Time: 09:00 AM - 12:00 NOON

PART – A		**(10x 2 = 20 Marks)**

Q. No   **Answer ALL questions (in about 30 words)**

1 What is Scientific research?
2 Calculate the Mean: 4, 7, 44, 54, 12, 8
3 Mention three measures of central tendency.
4 What is meant by empirical testing?
5 Write a short note on social realities.
6 What do you understand by case study method?
7 Mention any three current social problem.
8 Calculate the Median: 12, 33, 54, 37, 1, 63, 2
9 What do you understand by research proposal?
10 Mention four characteristics of scientific research.

PART – B		**(5 x 8 = 40 Marks)**

Answer any FIVE questions (in about 300 words)

11 Examine the criteria for hypotheses formulation and explain various types of hypotheses.
12 Write the difference between fact and theory.
13 Write a short note on
      a)Comparative   b)Longitudinal.
14 Explain the following in detail
      a) Coding   b) Editing   c) Classification
15   Delineate the advantages of Interview schedule.
16 Write a short note on
      a) Qualitative Research   b) Quantitative Research
17 Find the mean, median and mode for the following data.

0-10	10-20	20-30	30-40	40-50	50-60	60-70
10	20	30	35	40	15	25

PART – C		**(2 x 20 = 40 Marks)**

Answer any TWO question (in about 1200 words)

18 What are the different steps involved in carrying out the research process effectively?
19 Elaborate on probability and non-probability sampling.
20 Compute Karl Pearson's co-efficient of correlation for the following data

(X)	24	60	42	25	35	3	5	12
(Y)	24	75	35	18	20	19	17	21

21 What is Report writing and explain its structure in detail.

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