Date: 24-04-2025                Dept. No.                                Max. : 100 Marks
Time: 01:00 PM - 04:00 PM

## SECTION A

**Answer ANY FOUR of the following:**                                **4 x 10 = 40 Marks**

1. Highlight the objectives of social research.
2. Describe the characteristics of a scientific social research.
3. Describe the advantages and limitations of an interview.
4. Explain case study method of social research with an example.
5. Explain any two types of research design.
6. Explain any two probability sampling methods.
7. Delineate the advantages and disadvantages of averaging.
8. Calculate median for the following data:

| Marks of students | 40 | 56 | 65 | 82 | 87 | 90 | 92 |
|---|---|---|---|---|---|---|---|
| No. of students | 15 | 8 | 22 | 8 | 10 | 6 | 2 |

## SECTION B

**Answer ANY THREE of the following:**                                **3 x 20 = 60 Marks**

9.  Explain the various stages of a scientific research with the help of a flow diagram.
10. Highlight the guidelines to be followed in framing a questionnaire and examine its advantages and disadvantages.
11. What is a hypothesis? Enumerate the various types of hypothesis.
12. Examine the differences between induction and deduction with examples.
13. Explain the various components of a research report.
14. Compute arithmetic mean and median for the following data:

| Marks: | 0 – 10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 |
|---|---|---|---|---|---|---|
| No. of Students: | 5 | 10 | 25 | 30 | 20 | 10 |

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