[Time: 2 ½ Hours]   [Marks: 80]

NB.
1. Attempt <u>any four</u> questions.
2. Figures to the right indicate full marks.
3. Use of Simple Calculator is allowed.

1.   State the meaning, characteristics and preoccupations of quantitative research.   20

2.   Examine the relevance of Primary Data and Secondary Data, Big Data and Small Data in   20
     quantitative social research.

3.   What is meant by Research Proposal? Discuss the essential elements that should be   20
     considered while writing a research proposal.

4.   Explain the meaning of a research report and outline its various components.   20

5.   Define a questionnaire. Discuss the strategies for constructing a good questionnaire and   20
     the challenges associated with questionnaire method.

6.   Define Sampling. Discuss various types of probability sampling.   20

7 a. What are measures of central tendency? Discuss the advantages and disadvantages of   20
      Mean and Median as a measure of central tendency. (08 marks)

7 b. Compute Mean, Median and Mode for the following data: (12marks)

Class Interval	Frequency
0-10	5
10-20	10
20-30	30
30-40	11
40-50	12
50-60	08
60-70	24
Total	N=100

8 a. What are Measures of Dispersion? Discuss merits and limitations of Quartile Deviation.   20
      (08 marks)

8 b. Find the Quartile Deviation for the following data: (12marks)

Class Interval	Frequency
0-10	10
10-20	08
20-30	12
30-40	22
40-50	15
50-60	07
60-70	04
70-80	02
Total	N= 80