

(3 Hours)

(Total Marks : 60)

**N.B. : 1) Attempt any four questions from Q1 to Q6.
2) Q7 is compulsory.**

Q1. Elaborate on what you understand by research design. Briefly describe various types of experimental research designs (10)

Q2. Compare and contrast the features of Quantitative and Qualitative research giving examples. (10)

Q3. Explain the steps in hypothesis testing with a suitable example. (10)

Q4. Explain the process of data analysis in qualitative research. (10)

Q5. Enumerate the data collection methods in qualitative research and explain any one in detail. (10)

Q6 Explain the various steps of report writing of a research. Also explain how you will adhere to the ethical considerations of a research. (10)

Q7. Write short notes (Any four): (20)

- a) Type I and Type II error
 - b) Use of Non-parametric tests
 - c) Levels of measurement
 - d) Need for research
 - e) Null hypothesis
 - f) Population and sample
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