

(3 Hours)

Total Marks: 80

Note:

1. **Question No. 1 is compulsory.**
2. Attempt any **THREE** out of the remaining **FIVE** questions.
3. Assume suitable data if necessary.

- Q. 1.** Answer **any FOUR** questions. (20)
- (a) How classification of the research design is done?
 - (b) What do you mean by quantitative research?
 - (c) What are the different types of research articles?
 - (d) Which are the characteristics required in hypothesis?
 - (e) Write a short note on: Sampling plan.
- Q. 2.** (a) How to carry out hypothesis testing. What is null hypothesis and alternative hypothesis. (10)
- (b) Compare Research Methods and Research Methodology. Give examples in each case. (10)
- Q. 3.** (a) What are the main steps in the sample selection process? Explain with the help of a diagram. (10)
- (b) What points may be observed by a researcher in selecting a research problem or a subject for research? (10)
- Q. 4.** (a) Explain the following types of Research methods in detail: (10)
- (a) Applied Research (b) Fundamental Research
- (b) What are the features of a good research design? (10)
- Q. 5.** (a) Explain the procedure to write a research report. (10)
- (b) What are the elements of the research proposal? (10)
- Q. 6.** Write short notes on: (20)
- (a) Need for Research Design
 - (b) Need of hypothesis
 - (c) Analysis of data
 - (d) Generalization and Interpretation of analysis
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