

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.** Write short notes on **any FOUR** questions. (20)
- (a) Write short note on "Objectives of Research".
 - (b) Explain the meaning and significance of a Research design.
 - (c) Distinguish between null hypothesis and alternative hypothesis and Type I error and Type II error in hypothesis testing.
 - (d) What is the necessity of defining a research problem? Explain
 - (e) What are the different forms in which a research work may be reported? Describe.
- Q. 2.** (a) Briefly describe the different steps involved in a research process. (10)
- (b) "Empirical research in India in particular creates so many problems for the researchers". State the problems that are usually faced by such researchers. (10)
- Q. 3.** (a) Describe different types of research, clearly explaining the difference between applied and fundamental research. (10)
- (b) Explain the importance of Literature Review in Research. (10)
- Q. 4.** (a) What do you mean by 'Sample Design'? What points should be taken into consideration in designing a sample design? (10)
- (b) Write a brief note on different types of analysis of data pointing out the significance of each. (10)
- Q. 5.** (a) Examine the merits and limitations of the observation method in collecting material. Illustrate your answer with suitable examples. (10)
- (b) "Processing of data implies editing, coding, classification and tabulation". Describe in brief these four operations pointing out the significance of each in context of research study. (10)
- Q. 6.** (a) Distinguish between Research methods and Research methodology. (10)
- (b) What do you mean by research? Explain its significance in modern time. (10)
