



- Notes :
1. All questions carry equal marks.
  2. Due credit will be given to neatness and adequate dimensions.
  3. Assume suitable data wherever necessary.
  4. Diagrams and Chemical equation should be given wherever necessary.
  5. Illustrate your answers wherever necessary with the help of neat sketches.
  6. Solve **any five** questions.

1. a) Explain various criterion of a good research. 7  
 b) Distinguish between research methods & research methodology. 7
2. a) How do you define a research problem ? Give three examples to illustrate your answer. 7  
 b) Describe some of the important research designs used in experimental hypothesis testing research. 7
3. a) What is research design ? Discuss the basis of stratification to be employed in sampling public opinion on inflation. 7  
 b) Distinguish between : 7
  - a) Restricted and unrestricted sampling.
  - b) Convenience and purposive sampling.
  - c) Systematic and stratified sampling.
  - d) Cluster and area sampling.
4. a) What is the meaning of measurement in research ? What difference does it make whether we measure in terms of a nominal, ordinal, interval or ratio scale ? Explain giving example. 7  
 b) Examine the merits and limitations of the observation method in collecting material. 7  
 Illustrate your answer with suitable examples.
5. a) How does the case study method differ from the survey method ? Analyse the merits and limitations of case study method in sociological research. 7  
 b) Describe briefly the commonly used sampling distributions. 7
6. a) Describe in details the procedure of Hypothesis testing. 7  
 b) Enlist any seven characteristics of Case Study. 7
7. a) Explain the meaning of analysis of variance. Describe briefly the technique of analysis of variance for one-way and two-way classifications. 7  
 b) Write short notes on the following : 7
  - a) The techniques of writing report
  - b) Characteristics of a good research report.
  - c) Bibliography and its importance in context of research report.
  - d) Rewriting the polishing of report.
8. a) Explain the significance of a research report and narrate the various steps involved in writing such a report. 7  
 b) Describe, in brief, the layout of a research report, covering all relevant points. 7

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