

MODEL QUESTION PAPER

RESEARCH METHODOLOGY

Time: 3 hours

Max. Marks: 100

Answer any FIVE Questions
All Questions carry equal marks

1. a) Briefly describe the different steps involved in a research process.
b) What are the techniques involved in defining a research problem?
2. a) What are the important concepts relating to research design? Explain.
b) What do you mean by 'Sample Design'? What points should be taken into consideration by a researcher in sample design for any research project?
3. a) What are the classifications of measurement scales? Explain with examples.
b) Enumerate the different methods of collecting data giving one example each.
4. a) What are the important steps of data preparation process? Explain in detail.
b) Discuss about measures of central tendency and how they are useful in any research work.
5. a) Explain how sampling and statistical inference are useful for any research work.
b) What is testing of hypothesis? Explain how it is useful for illustrating a research problem with two examples.
6. a) What is Chi-Square test? Explain the significance in statistical analysis of any research problem.
b) What is analysis of variance? Give an example to illustrate the same.
7. a) What are the various methods of Linear Regression Analysis? Explain.
b) What is factor analysis? Explain with an example.
8. a) Explain the difference between two group discriminant analysis and multiple discriminant analysis with examples.
b) What is cluster analysis? Explain the difference between hierarchical clustering and non-hierarchical clustering.