

**M.Phil/Pre Ph.D Regular & Supplementary Examinations – OCTOBER, 2023**  
R210001

**Paper –I : Research Methodology.**  
Common to All Branches in Ph.D

Time : 3 hrs

Maximum Marks : 100

Answer ONE from each Unit  
ALL questions carry equal marks: 5x20=100

UNIT-I

1. a. Describe the objectives and motivational aspects in Research.  
b. Explain the problems encountered by Researchers in India.
- OR
2. a. Explain the criteria for good research.  
b. Describe the techniques involved in defining the problem.

UNIT-II

3. a. Describe the features of good research design.  
b. Describe the types of Research Designs.
- OR
- 4.a. Describe the principles of Experimental Design.  
b. Explain the steps in sampling design.

UNIT-III

5. a. Describe the differences between questionnaires and Schedules.  
b. Explain the selection of appropriate method for data collection..
- OR
6. a. Write an account on Audio-visual resources..  
b. Describe the code and policies of research ethics.

UNIT-IV

7. a .Enumerate Parametric VS Non Parametric tests.  
b. Describe the procedure for testing Hypothesis.
- OR
8. a. Describe the Chi-square test and Analysis of Variance with examples of your won.  
b. Explain the use of Quotations and foot notes.

UNIT-V

9. a. Describe the techniques in interpretation and precautions in interpretation  
b. Explain the significance of Report writing and different steps in report writing.
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10. a. Explain how do you prepare for Power point presentations in conferences and popular lectures.  
b. Describe the types of plagiarism and its importance.

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