



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

(Deemed to be University under Section 3 of the UGC Act, 1956)

Pre – Ph.D. Written Examination – January – 2023

Management

Paper I: Research Methodology

Time: 2 Hours

Marks: 50

PART –A

(5*2M= 10M)

Write Brief notes about the following

Answer all questions

All questions carry equal marks

1. Define research problem.
2. Define sampling design.
3. Specify the merits of factor analysis.
4. Define ethics in research.
5. What is a technical research report?

PART – B

(5*4M=20M)

Write Short answers to the following

Answer all questions choosing either a or b

All questions carry equal marks

1. a. State the objectives of research.
Or
b. Give the merits and demerits of oral presentation of report .
2. a. List the merits and demerits of simple random sampling.
Or
b. Explain the steps in data pre - processing.
3. a. Where do we apply multi-variate analysis?
Or
b. Give the importance and uses of model building in research.



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4. a. What are the prerequisites of research data analysis?

Or

b. What are the methods of foot note?

5. a. Exhibit the branches of research philosophy.

Or

b. Narrate the conflicts of interests in publication ethics.

PART – C

(2*10M=20M)

Answer any two essay type questions

All questions carry equal marks

1. Enumerate the steps in research design.
2. Bring out the different methods data analysis.
3. List and explain the different tests available for non – parametric data.
4. Discuss the steps and process in data analysis.
5. Elucidate the best practices and guidelines of publication ethics.

