



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

Medicine, Dentistry, Homoeopathy, Pharmacy

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. Focus group discussion.
2. What is microscope? And its importance.
3. Usual exclusion criteria in clinical trials.
4. Bar diagram.
5. Authorship criteria.

PART – B

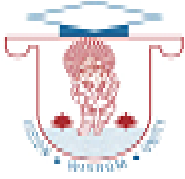
(5*4M=20M)

Write Short answers to the following

Answer all questions choosing either a or b

All questions carry equal marks

1. a. Steps in literature search.
Or
b. Referencing methods using in research.
2. a. Write down the basic principle of colorimetry? And its applications.
Or
b. Write down the basic principle of NMR?
3. a. Types of randomization.
Or
b. Serious adverse events (SAE) in trials



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

4. a. Analysis of variance.

Or

b. Reliability of a tool.

5. a. Plagiarism.

Or

b. COPE guideline.

PART – C

(2*10M=20M)

Answer any two essay type questions

All questions carry equal marks

1. Describe the components of a research reports in detail.
2. Briefly describes the MALDIT of principles and applications?
3. Describe the steps in an clinical trial in detail.
4. Describe the different measures of variability.
5. Describe the scientific publication misconduct in detail.

