

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

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

Pre – Ph.D. Written Examination – August – 2024

Physiotherapy

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. Criteria for good research.
2. Strength duration curve
3. Bio Safety studies
4. Central tendency
5. Moral of ethics

PART – B

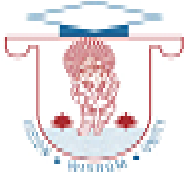
(5*4M=20M)

Write Short answers to the following

Answer all questions choosing either a or b

All questions carry equal marks

1. a. Significance of report writing.
Or
b. Components of research problem.
2. a. ECG interpretation for treadmill testing.
Or
b. Motor evoked potentials.
3. a. Phases of clinical.
Or
b. Roles and responsibilities of investigator.



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4. a. Types of research data collection.
Or
b. Qualitative analysis.
5. a. Bases of research integrity.
Or
b. Why scientific mis conduct occur?

PART – C

(2*10M=20M)

Answer any two essay type questions
All questions carry equal marks

1. Define research design. Write in detail about various steps of research design.
2. What is EMG. Explain note on application & analysis of EMG. Add a note on EMG Bio feedback.
3. How to identify, recording, reporting adverse events in clinical trails.
4. What is biostatistics and application biostatistics in research?
5. What is research metrics? Discuss about the types of research metrics?

