

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(Deemed to be University), SALEM**

**M.P.T. DEGREE EXAMINATION – April 2019  
First Semester**

**PT EDUCATION, BIostatISTICS AND RESEARCH**

Time: Three hours

Maximum : 100 marks

**I. Write short answers on: (10 x 2 = 20)**

1. Frequency distribution.
2. Vocational guidance.
3. Types of research.
4. Directive counselling.
5. Curriculum time allotment.
6. Limitations of study
7. Define Research problem.
8. Calculation of central tendency
9. Lesson plan.
10. Define – Research design.

**II. Write short notes on: (8 x 5 = 40)**

11. Review of literature
12. Use of statistics method in physiotherapy
13. Theories of teaching
14. Principles of research design
15. Mechanics of writing research report.
16. Sampling methods.
17. Steps in Research Process.
18. Principles of curriculum development.

**III. Write essays on: (2 x 20 = 40)**

19. Define formal and informal methods of education. Compare the two for advantages and disadvantages.
20. Define statistics. Describe its characteristics and discuss application of statistics in Research.