

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM**B.P.Ed. DEGREE EXAMINATION – April 2019****Third Semester****RESEARCH AND STATISTICS IN PHYSICAL EDUCATION**

Time: Three hours

Maximum: 75 marks

PART – A (10 x 2 = 20 marks)Answer any **TEN** questions. All questions carry equal marks.

1. Define Research.
2. List down the types of research.
3. Define Hypothesis.
4. Types of variables.
5. What is single group design?
6. List down the front materials.
7. What is proposal?
8. List down the types of statistics.
9. Define Mode.
10. Define Range.
11. Meaning of Mean Deviation.
12. What is Ogive curve?

PART – B (5 x 5 = 25 marks)Answer any **FIVE** questions. All questions carry equal marks.

13. Explain classification of Research.
14. Explain Hypothesis and formulation of hypothesis.
15. Method of writing abstract and full paper for presenting in a conference.
16. Calculate Mean, Median and mode for the following data:
52, 68, 75, 85, 42, 49, 38, 52
17. Merits and demerits of measures of central tendency.
18. Calculate Quartile Deviation from the following ungrouped data:
5, 10, 15, 20, 25, 30, 35
19. Explain Z Scale.
20. Explain Ogive curve.

PART – C (3 x 10 = 30 marks)Answer any **THREE** questions. All questions carry equal marks.

21. Explain Research and criteria for selection of research problem.
22. Explain Experimental Research.
23. Explain Report Writing.
24. To calculate Mean for the following grouped data:

SI	101-107	94-100	87-93	80-86	73-79	66-72	59-65	52-58
F	3	7	9	2	3	2	4	1

25. Explain scoring scales with examples.