VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM

B.P.Ed. DEGREE EXAMINATION – November 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. Meaning of Research.
2. What is Basic Research?
3. Meaning of Experimental Research.
4. Meaning of Variable.
5. List down the type of Experimental Research.
6. List down the Back Materials.
7. What is Research Report?
8. Meaning of Statistics.
9. Define Mean.
10. Meaning of Standard Deviation.
11. What is two scale?
12. Define Graph.

PART – B (5 x 5 = 25 marks)

Answer any **FIVE** questions. All questions carry equal marks.

13. Explain location of Research problems
14. Explain Variable and its types.
15. Explain Experimental methods of Research.
16. Method of Writing Foot note and Bibliography.
17. Explain types of statistics.
18. Merits Demerits and uses of measures and central tendency.
19. Calculate Quardile Deviation from the following data?

    15, 10, 17, 19, 22, 27, 29, 40, 42
20. Explain 6 sigma scale.

PART – C (3 x 10 = 30 marks)

Answer any **THREE** questions. All questions carry equal marks.

21. Explain criteria for selection of research problem.
22. Explain Hypothesis and Formulation of Hypothesis.
23. Explain method of writing Research proposal.
24. To calculate Mode for the following grouped date?

SI	81 - 86	75 - 80	69 -74	63-68	57-62	51-56	45-50
F	2	4	6	10	11	12	3

25. Explain Graphical Representation is statistics.

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