

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM****B.P.E.S DEGREE EXAMINATION – April 2019  
Fifth Semester****BASIC 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 statistics.
2. Mention the types of data.
3. State the meaning of mean.
4. Write the formula for calculating median for ungrouped data.
5. Find the range of the given data 18, 21, 32, 21, 24, 26 and 29.
6. State the meaning of measure of variability.
7. Name any one scale.
8. Write the most common measures position.
9. Write the meaning of correlation.
10. Mention the range of correlation.
11. Find the mode for the following data 12, 13, 12, 14, 12, 13, 12, 13 and 15.
12. What is kurtosis?

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

13. Describe the advantages and disadvantage of computing frequency table.
14. Find the mean, median and mode for the following data 13, 10, 12, 13, 25, 23, 12 & 13
15. Discuss the specific characteristics of measure of variability.
16. Write short notes on deciles and quartiles.
17. Find rank order correlation for the following data

A	5	3	4	2	1
B	1	2	4	5	3

18. Write short notes on data and its types.
19. Calculate the median & mode for the following data 18, 17, 15, 11, 9, 8, 7, 9, 10 & 12.
20. Write a note on Hull scale and T scale.

**PART – C (3 x 10 = 30 marks)**

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

21. Narrate the need and importance of statistics in Physical Education.
22. Describe the specific characteristics of measure of central tendency.
23. Compute standard deviation for the following data 13, 17, 15, 11, 13, 17, 11, 13 and 11.
24. Write an essay on normal curve.
25. Calculate the co-efficient of correlation for the following data

X	10	15	10	12	13
Y	15	12	13	14	12

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