

17003

M.P.Ed. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2019.

FIRST SEMESTER

Paper – I: APPLIED STATISTICS IN PHYSICAL EDUCATION AND SPORTS

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

Each question carries 5 marks.

Each answer should not exceed 2 pages.

1. Explain the functions of statistics.
2. Describe the parametric and Non-parametric statistics.
3. Discuss about the construction of frequency table.
4. Explain the importance of computation.
5. What is Range and explain the advantages of range in statistics?
6. Explain about the 'T' and 'Z' scale statistics.
7. Describe the skewness and kurtosis.
8. Explain the importance of O give curve and pie diagram in Research.

PART B — (5 × 10 = 50 marks)

Answer ALL questions.

Each question carries 10 marks.

Each answer should not exceed 4 pages.

9. Define statistics and explain need and importance of statistics in Physical Education.

Or

10. What is Data and explain different types of data collection.
11. Explain the measures of Central Tendency advantages and disadvantages in statistics.

Or

12. Find out mean, median and mode from the given data.

Class Interval — 0-5 5-10 10-15 15-20 20-25 25-30 30-35 35-40

Frequency — 10 13 15 20 23 19 13 8

13. Discuss the advantages of Hull scale in Physical Education Research.

Or

14. Explain the Quartile deviation, Mean deviation and standard deviation.

15. Discuss the importance of Line Diagram, Bar Diagram and Histogram Graphics.

Or

16. What are the characteristics of a Normal Probability curve?

17. Define correlation and explain co-efficient of correlation.

Or

18. Differentiate between ANOVA and ANCOVA.

