

24101011



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Reg. No.....

Name.....

**B.P.Ed. DEGREE EXAMINATION, MARCH 2024**

**Fourth Semester**

Core Course—RESEARCH AND STATISTICS IN PHYSICAL EDUCATION

(2022 Admissions—Regular/2021 and 2020 Admissions—Supplementary/2016, 2017, 2018 and 2019 Admissions—Mercy Chance)

Time : Three Hours

Maximum Marks : 80

**Part A**

*Answer any **nine** of the following questions.*

*Each question carries 2 marks.*

1. Research project.
2. Raw score.
3. Percent raw score.
4. Data.
5. Hypothesis.
6. Secondary data.
7. Meta synthesis.
8. Sample.
9. Reliability in research.
10. Standard deviation.
11. Quantitative research.
12. Interquartile range.

**Turn over**





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13. Research report.
14. Class distribution.

(9 × 2 = 18)

**Part B**

*Write short note on any **six** of the following.  
Each question carries 4 marks.*

15. Frequency polygon.
16. Bar diagram.
17. Grouped data and ungrouped data.
18. Cumulative frequency curve.
19. Functions of a supervising teacher.
20. Importance of validity in research.
21. Importance of 'time at disposal' in research.
22. Degree of consistency.

(6 × 4 = 24)

**Part C**

*Explain any **three** of the following questions.  
Each question carries 6 marks.*

23. Measures of central tendency.
24. Percentiles and quartiles.
25. Delimitation and limitation in a research.
26. Explain the rules to be followed in constructing a table.
27. Explain the different sources of data and the reliability of them.

(3 × 6 = 18)





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**Part D**

*Write an essay on any **two** of the following questions.*

*Each question carries 10 marks.*

28. Explain the meaning, definition, nature and importance of statistics.
29. Explain the scope, need and importance of research in physical education.
30. Explain the various classification of research.
31. Describe the measures of variability and calculate the problem.

Following are the runs scored by a cricketer in last 12 matches.

Calculate the mean, median and mode.

78, 43, 37, 42, 58, 0, 39, 107, 88, 59, 25, 112.

(2 × 10 = 20)

