

B.P.Ed. Examination, 2018
Semester-IV
Physical Education
Course: CC-403
(Research and Statistics in Physical Education)

Time – 3 Hours

Full Marks – 70

Questions are of value as indicated in the margin
Answer one question from each unit

Unit-I

1. What do you mean by research and write down the scope of research in Physical Education and Sports. 3+12=15

Or

Write short notes on – (a) Classification of Research (b) Criteria of Selection of Problem. 7.5x2=15

Unit II

2. What do you mean by research proposal? Prepare a research proposal within 300 words. 3+12=15

Or

Write down the difference between Research report and Research proposal. 15

Unit-III

3. Define statistics and write down its nature. Define Raw Score and write down the Class Distribution in detail. 3+5+2+5+=15

Or

Write short notes on. 5x3=15
(a) Continuous and discrete variable (b) Histogram (c) Steps of Construction of Tables.

Unit-IV

4. Define Mean and write down its advantages and demerits and calculate the mean from the following distribution. 6+9=15

Scores	f
51-55	3
46-50	6
41-45	4
36-40	5
31-35	1
26-30	3
21-25	2

Or

What do you mean by Mean deviation and calculate MD from the following distribution.

Scores	f
46-50	3
41-45	2
36-40	6
31-35	4
26-30	9
21-25	3
16-20	6
11-15	2
6-10	4
1-5	1

Unit-V

5. Answer **any ten** questions:

10x1=10

(i) Mean, Median, Mode are:

- (a) Measures of Central Tendency (b) Measure of Variability
(c) Measures of Control tendency (d) None

(ii) Hypothesis is also called:

- (a) Hunch of Scholar (b) Tentative conclusion (c) Guess of scholar (d) All of these

(iii) Middle most score in a distribution is known as: (a) Mean (b) Median (c) Mode (d) Mean deviation

(iv) Such value which divided the total number of observations into 4 equal parts known as:

- (a) Deciles (b) Quartile (c) Percentiles (d) Mean

(v) The term to identify the boundaries of a research is – (a) Limitation (b) Delimitation (c) Hypothesis
(d) Range

(vi) Maximum Score – Minimum Score is known as: (a) SD (b) QD (c) Range (d) Histogram

(vii) Pictorial representation of data is known as: (a) Graph (b) Class interval (c) Mean (d) Quartiles

(viii) A formal preparation that includes the introductions, review of Literature and proposed method for conducting study is known as:

- (a) Research proposal (b) Hypothesis (c) Limitation (d) Research Report

(ix) A single score that best represents all the scores:

- (a) Central Tendency (b) Variability (c) Graph (d) Ogive

(x) An estimate of the variability of the scores of a group around mean

- (a) SD (b) Mean (c) Median (d) Mode

(xi) The data which have already been collected by someone are called:

- (a) Rawdata (b) Array data (c) Secondary data (d) Fictitious data

(xii) Which of the following is a measure of Central tendency:

- (a) Percentile (b) Quartile (c) Standard deviation (d) Mode
