2019

RESEARCH AND STATISTICS IN PHYSICAL EDUCATION

Paper: CC-403

Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

 (a) Define research. Write down the importance of research in Physical Education. Classify research on the basis of their purpose with brief explanation.

Or

- (b) What is research problem? Write down the scope of research in Physical Education and Sports. Write down the sources of research problems. Write down the criteria of a good research problem. 2+4+3+6
- (a) Explain the characteristics of a Questionnaire for data collection. Write down the importance of interview method for collecting data. Write down the qualities of a good observer for collecting data.
 5+5+5

Or,

- (b) Write down the sources of literature for reviewing. What is research report? Write down the differences between research proposal and research report. Briefly explain the main body of a research report.
- (a) Define statistics. Write down the importance of statistics in the field of Physical Education and Sports.

Calculate the mean and median from following data:

Class Intervals (cms)	Frequency
140–144	1
145-149	2
150–154	6
155–159	10
160–164	4
165–169	3
170–174	2
175–179	1
180–184	1

2+3+5+5

(Ed.)-4th SmResearch and Statistics-CC-403	(2)				
100		Or,				
	(b) Define raw score. Write down the Calculate the S.D. from the following	e rules ungroup	for constructing ed data:	frequency	distribution	table. 2+4+9
		Scores				
		18				
		25				
		21				
		19				
		27 31				
		22				
		25				
		28				
		20				
4.	Write short notes on (any two):					7½×2
	(a) Measures of central tendency					
	(b) Grouped and ungrouped data					
	(c) Histogram					
	(d) Percentile					
5.	Select and write the correct answer (any	ten):				1×10
	(a) Research proposal is also called					
	(i) Abstract	(ii)	Summary			
	(iii) Synopsis	(iv)	Methodology.			
	(b) The most unreliable average is					
	(i) Median	(ii)	Mean			
	(iii) Mode	(iv)	Midpoint of range			
	(c) The questionnaire in which a sequence of questions is followed called					
	(i) Structured	(ii)	Unstructured			
	(iii) Closed	(iv)	Open.			
	(d) The middle value in a distribution refer					
	(i) Mean		Madia			
	(iii) Mode	(ii)	Median			
		(iv)	Geometric mean.			

Name of a research problem mana	
e) Novelty of a research problem means (i) Simplicity	(ii) Originality
(iii) Availability	(iv) None of these.
(f) Research conducted on the immediately	
(i) Basic research	(ii) Action research
(iii) Both (i) and (ii)	(iv) None of these.
(g) The quantitative method of data collect	tion is
(i) Observation	(ii) Interview
(iii) Both (i) and (ii)	(iv) None of these.
(h) Which of the following is not an average	age?
(i) Mean	(ii) Median
(iii) Mode	(iv) Skewness.
(i) Root mean square deviation is called	
(i) Mean deviation	(ii) Range
(iii) Variance	(iv) Standard deviation.
(j) 3 Median - 2 Mean is used to compu	ite
(i) Mean	(ii) Median
(iii) Mode	(iv) None of these.
(k) Simplest measure of dispersion is	
(i) Range	(ii) Quartile Deviation
(iii) Mean	(iv) Standard Deviation.
(l) "Many-angled figure" means	
(i) Polygon	(ii) Histogram
(iii) Percentile	(iv) Quartile.
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