

2020

RESEARCH PROCESS IN PHYSICAL EDUCATION AND SPORTS SCIENCE

Paper: MPCC 101

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.

Answer *all* questions

1. What are the factors for selection of a research problem? Explain each of the factors in detail. 5+10

Or,

Define research. What are the different kinds of researches conducted in Physical Education?
Cite some appropriate examples. 3+12

2. Write down the steps of Survey Research process. Write different processes of data collection in survey research. 7+8

Or,

What are the steps of Experimental Research? Explain various kinds of true experimental designs. 8+7

3. Define and describe Sample and Population. What are the differences between probability sampling and non-probability sampling? 4+4+7

Or,

Define Statistic and Parameter. Write about different kinds of probability sampling techniques. 2+2+11

4. Write Notes on *any two* of the following: 7.5x2
- a) Different kinds of Hypothesis
 - b) Parts of a Research Report
 - c) Methods of literature review
 - d) Methods of writing research proposal

Please Turn Over

(2)

5. Answer the following MCQs by choosing the right option given below and writing it on your answer script (any ten): 1x10

- a) In testing of hypothesis, a Type II error is committed when a
- i) True null hypothesis is rejected
 - ii) False null hypothesis is accepted
 - iii) True alternative hypothesis is accepted
 - iv) Alternative hypothesis is rejected
- b) Sample size increases then
- i) The Standard error increases
 - ii) The standard error decreases
 - iii) The standard error remains same
 - iv) None of these
- c) In which chapter of the research report the significance of the study is included?
- i) Introduction chapter
 - ii) methodology chapter
 - iii) Results and discussion chapter
 - iv) Summary, Conclusion and Recommendation chapter
- d) Sampling in which elements are grouped together because they share certain characteristics is
- i) Cluster Sampling
 - ii) Systematic sampling
 - iii) Stratified sampling
 - iv) Simple random sampling
- e) Which of the following section is not a part of research proposal?
- i) Delimitations
 - ii) Review of related literature
 - iii) Conclusion
 - iv) Procedure for Collection of data
- f) Research proposal is also called
- i) Abstract
 - ii) Summary
 - iii) Synopsis
 - iv) Methodology

Please Turn Over

(3)

- g) Which of the following is a classification of research?
- i) Basic research
 - ii) Action research
 - iii) Applied research
 - iv) All of these
- h) The method in which every individual have a equal chance of being selected is called
- i) Population
 - ii) Random Sampling
 - iii) Sequential Sampling
 - iv) Snowball Sampling
- i) Action research is
- i) An applied research
 - ii) A research carried out to solve immediate problems
 - iii) A longitudinal research
 - iv) Simulative research
- j) Research is
- i) Searching again and again
 - ii) Finding solution to any problem
 - iii) Working in a scientific way to search for truth of any problem
 - iv) None of the above
- k) Which of the following is the first step in starting the research process?
- i) Searching sources of information to locate problem.
 - ii) Survey of related literature
 - iii) Identification of problem
 - iv) Searching for solutions to the problem
- l) Data are a representation of
- i) Reality
 - ii) Process
 - iii) Facts
 - iv) Procedures
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