

MASTER OF PHYSICAL EDUCATION EXAMINATION, 2019

(1st Year, 1st Semester)

RESEARCH PROCESS IN PHYSICAL EDUCATION &

SPORTS SCIENCES

PAPER - MPCC - 101

Time : Three hours

Full Marks : 70

Group-A

Answer any three Question of the following

1. What do you mean by Research ? Write down the nature of Research in the field of physical education and Sports. Discuss fundamental Research in details. 3+7+5=15
2. Classify different types of research. What is Historical Research ? Describe primary and secondary data. 5+4+6=15
3. What us Experimental Research ? What are the different types of variables ? Discuss experimental design with two examples. 4+5+6=15
4. Discuss about statistic and parameter. List down various types of sampling and Explain Systematic and Stratified sampling technique with suitable example. (2+2+2)+2+(4+3)=15

[Turn over

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5. Define Population, Sample and Sampling. List down various non probability sampling and explain Purposive and Quota sampling technique with suitable example.

$$(2+2+2)+2+(4+3)=15$$

Group- B

6. Write short notes (*any two*) :

$$7\frac{2}{7} \times 2 = 15$$

a) Research Report

b) Research proposal

c) Testing of hypothesis

d) Survey of related Literature

Group- C

7. MCQ (Write any ten) $1 \times 10 = 10$

Choose the correct option from the followings (*any ten*) :

i) Which of the following is the first step in starting the research process ?

a) Searching source of information to located problem

b) Survey of Related Literature

c) Identification of problem

d) Searching for solution the the problem

ii) Research is

a) Searching again and again

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xi) Sampling in which elements are grouped together because they share certain characteristics is

a) Cluster sampling
b) Stsematic sampling
c) Stratified Sampling
d) Simple Random sampling

xii) Research used for studying practical problems and finding a solution to it is

a) Basic Research

b) Action Research

c) Fundamental Research

d) Applied Research

[4]

- vii) Type-I Error occurs if _____
- a) the null hypothesis is rejected even though it is true
 - b) the null hypothesis is accepted even though it is false
 - c) both the null hypothesis as well as alternative hypothesis are rejected
 - d) None of the above
- viii) _____ is a preferred sampling method for the population with finite size
- a) Area sampling b) Cluster sampling
 - c) Purposive sampling d) Systematic sampling
- ix) The longitudinal approach of research deals with _____
- a) Horizontal researches b) Long-term researches
 - c) Short term researches d) none of the above
- x) Limitation includes into the _____ of Research Report
- a) Introduction chapter
 - b) Methodology chapter
 - c) Result and discussion chapter
 - d) Summary Conclusion and Recommendation chapter

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- b) Finding solution to any problem
 - c) Working in a scientific way to search for truth of any problem
 - d) None of the above
- iii) Climate may be considered as
- a) Dependent Variable b) Independent Variable
 - c) Moderator d) None of the above
- iv) Tippit table refers to _____
- a) Table of random digits
 - b) Table used in sampling methods
 - c) Table used in statistical investigations
 - d) All the above
- v) Random sampling is helpful as it is _____
- a) An economical method of data collection
 - b) Free from personal biases
 - c) Reasonably accurate
 - d) All the above
- vi) _____ refers to inferring about the whole population based on the observations made on a small part.
- a) Deductive inference b) Inductive inference
 - c) Pseudo-inference d) Objective inference

[Turn over

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