

Reg. No. :

Name :

Ph.D. ENTRANCE EXAMINATION, NOVEMBER 2022

FACULTY OF PHYSICAL EDUCATION

PHYSICAL EDUCATION

Time : 3 Hours

Max. Marks : 100

Instructions :

- 1) Answer **any ten** questions each from Section **A** and **B**.
- 2) Each question carries **5** marks.
- 3) No additional Answer sheets will be provided.
- 4) Candidates should clearly indicate the section, Question number in the answer booklet.

Section – A

Research Methodology

- I. Answer any **ten** questions. All questions carry equal marks.
 1. What are the steps in scientific method of problem solving?
 2. What are the different type of analytical research?
 3. What are the steps in literature search?
 4. Discuss the following sections of the thesis: title, introduction, problem statement, hypothesis, definitions, assumptions and limitations and significance?
 5. How and why the participants were selected and which of their characteristics are pertinent to the study?
 6. What are the points to be considered while selecting the tests and instruments?

7. What are the seven areas of scientific dishonesty?
8. Why we need statistics in research?
9. Explain the properties of normal curve?
10. What is the Type I and Type II error?
11. What is non-parametric techniques?
12. What is historical criticism?
13. What is the purpose of meta-analysis?
14. What are the main types of survey research?
15. What is case study?

(10 × 5 = 50 Marks)

Section– B

Physical Education

- II. Answer any **ten** questions. All questions carry equal marks.
1. What is the importance of Physical Education?
 2. What are the fundamental principles in Health and Physical Education?
 3. What are the different types of tournaments?
 4. What is a sporting example of a third class lever?
 5. What are the four types of muscle contractions?
 6. What are the basic principles of training?
 7. What are two major components of blood?
 8. What are the types of doping?

9. The FITT stand for?
10. What does the acronym RICE stand for?
11. What is “Supercompensation”?
12. What is oxygen debt and what causes it?
13. When can you use mental imagery in sport?
14. What is locomotor, non-locomotor and object control skills in sports?
15. What is 1RM?

(10 × 5 = 50 Marks)
