

Reg. No. :

Name :

Ph.D. ENTRANCE EXAMINATION 2023

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.

Part – A

Research Methodology

- I. Answer any **ten** questions. Each Questions carries five marks.
 1. Explain various steps involved in the preparation of a Research report.
 2. What are the sources of Historical Research?
 3. Explain the tools employed in Survey studies.
 4. What is Sampling? Explain the different types of sampling.
 5. What is the significance of a research proposal? How do we prepare a research proposal?
 6. What is Correlation? List out different types of correlation.

7. How far is review of related literature important in research? Describe different sources of literature review.
8. List out the characteristics of Hypothesis and its importance.
9. Explain the criteria in selecting a research problem.
10. Explain the various methods of Data Collection in research.
11. How can you locate a Research Problem?
12. What is meant by Measures of Variability? Explain its uses, merits and demerits?
13. Write the importance of graphical representation of Statistical data. Explain the various types of graphical representations.
14. Define Normal Curve. Write down the principles and characteristics of Normal Curve.
15. Explain Skewness and Kurtosis with the help of a diagram.

(10 × 5 = 50 Marks)

Part – B

Physical Education

- II. Answer any **ten** questions. Each Question carries five marks.
1. Define balanced diet and explain post and pre competition meal.
 2. Explain the mechanism of respiration.
 3. Write a note on Dislocation and Fracture.
 4. What is Hypokinetic disease? Explain any two of them, its cause and management.
 5. What do you mean by Physical fitness? Explain the types of Physical fitness.
 6. Define Flexibility. Explain the factors determining Flexibility.

7. What is Ergogenic aid? Explain its uses and abuses.
8. Explain conditioning and training.
9. Write briefly on lever and its types.
10. Explain AAHPER Physical Fitness test.
11. Explain Cardiac output and Cardiac cycle.
12. Explain the meaning of CRYOTHERAPY and what are the methods of cryotherapy?
13. Technology has enormous influence in modern day sports. Discuss.
14. Explain the common injuries occurring to muscles during sports and training.
15. Write in detail the importance of Sports Management in modern sports.

(10 × 5 = 50 Marks)