



DEPARTMENT OF PHYSICAL EDUCATION & SPORTS SCIENCES
(Faculty of Inter-Disciplinary & Applied Sciences University of Delhi)
B-BLOCK, VIKASPURI, NEW DELHI-110018

Time: 10 a.m. – 1 p.m.(Duration: 3 Hrs.) Date of Exam: 29.01.2013 Max. Marks: 100

Venue: Conference Hall, IGIPSS (Room No. 22)

Note: Examiners will set eight questions taking at least one from each unit.

Students will be required to attempt any five questions. All the questions carry equal marks.

Syllabus for Entrance Eligibility Test of Ph.D. in Physical Education & Sports Sciences

- Unit –I**
- (i) Need and importance of Research in General and with special reference to Physical Education & Sports Sciences.
 - (ii) Types of Research: Basic, Applied & Action Research.
 - (iii) Classification of Research in relation to nature, methods & nature of data.
- Unit –II**
- (i) Criteria in selecting a research problem.
 - (ii) Hypothesis, Types of Hypothesis, Significance of Hypothesis.
 - (iii) Delimitation & Limitation of a problem.
- Unit –III**
- (i) Historical Research - Meaning Historical source & their Evaluation.
 - (ii) Survey studies tools of survey & case studies.
 - (iii) Philosophical Studies: Meaning, steps in critical thinking.
- Unit –IV**
- (i) Experimental Research, Experimental Control.
 - (ii) Experimental Design (Single group design, Repeated measure design, Post Test only Random group design, Related group design, Rotation group design).
 - (iii) Research Proposal, Research Report.
- Unit –V**
- (i) Meaning, Need & Importance of Statistics in Physical Education, Types of parametric & non-parametric (descriptive, comparative, relationship).
 - (ii) **Characteristic of data:**
 - (a) Raw Score.
 - (b) Types of data.
 - (c) Frequency distribution.
 - (d) Measure of Central Tendency.
 - (e) Comparison of various scales.
 - (iii) **Relationship & Comparative Statistics:**
 - (a) Co-efficient of Correlation.
 - (b) T-Test, Z-Test.
 - (c) ANOVA – One Way & Two Way And ANCOVA.