

**University of Lucknow
Lucknow
Ph.D. Admissions 2019 – 20
Entrance Test Guidelines
Faculty of Education**



Syllabus for Ph.D. Entrance Examination

Paper 1 Research Methodology

Methodology of Educational Research

- Meaning, Nature and Scope of Research in Education
- Scientific Inquiry and emerging trends in research fundamentals
 - Applied and Action Research
- Research Design
- Formulation of Research Problems
 - Criteria and sources for identifying the problem
- Variables
 - Classification of variables
 - Delineating and Operationalizing variables
- Developing Assumptions and Hypothesis in various types of research.
- Collection of Data
 - Concepts of population and sample
 - Various methods of sampling
 - Characteristics of a good sample
- Tools and Techniques
 - Characteristics of a good research tool
 - Types of research tool and techniques and their uses
- Questionnaire
 - Interviews, Observations, Tests and scales
- Projective and socio-metric techniques
 - Test constructions and item analysis
 - Major Approaches to research
 - Descriptive Research
- Research ethics
- Paper Writing
 - Synopsis and Research Report

Analysis of Data

- Introduction and Inferential Statistics
- Analysis of Data

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- Descriptive Statistics
- The null hypothesis, Test of significance
- Types of error
- One tailed and two tailed test
- The t – test and F – test
- Non parametric test
- Methods of measures of dispersion
 - Range, Quartile deviation
 - Mean Deviation
 - Types of Correlation
 - Types of regression analysis

Paper II Subject Specific

- The syllabus of the subject specific part will be the same as prescribed for the PG Programs of the University of Lucknow.

General Guidelines

- Both paper I and II will contain 35 questions of one mark each.
- The test therefore will be of 70 marks.
- There will be no negative marking.
- Candidates will have the option to appear in the test for maximum two subjects if they are eligible in both of them.
- The Ph.D. entrance test will be held in one sitting, 90 minutes for candidates appearing in one subject and 135 minutes for candidates appearing in two subjects within the same faculty.
- Marks obtained in paper I by candidates who appear in two subjects within the same faculty will be added to the marks obtained in the subject specific paper.
 - Example: Candidate obtains 33 marks in paper I, 27 in first subject (A) and 25 in second subject (B).
 - The marks in Subject A will be $33 + 27 = 60$
 - The marks in Subject B will be $33 + 25 = 58$
- In case the candidate has applied for two subjects in different faculties, they will have to appear in both the paper I and Paper II of each faculty.