

***DEPARTMENT OF EDUCATION  
UNIVERSITY OF KASHMIR,  
SRINAGAR***

**Syllabus for  
3 Year Integrated M.Phil/Ph.D.  
Programme in Education  
Session 2020-2021**



School of Education & Behavioural Sciences

**University of Kashmir**

(NAAC Accredited 'A+' Grade University)

Hazratbal, Srinagar (J & K)- 190006

The candidates admitted for pursuing 3 Year Integrated M.Phil./Ph.D. Programme in then Discipline of Education (December 2018) shall have to opt Two compulsory Paper/s and One Specialized paper in accordance with the UGC guideline issued from time to time. The weight-age for each paper is 100 marks with time duration of three hours. The papers are:

- a) **Paper 1<sup>st</sup> :** **Methodology of Educational Research**
- b) **Paper 2<sup>nd</sup> :** **Recent Advances in Education**
- c) **Paper 3<sup>rd</sup> :** **Specialized Paper** (This paper is to be prepared by the respective supervisors on the basis of the research interest shown by the scholar.

**Part- A Methodology**

**Unit - I Methods:**

**a) Experimental Research:**

- i) Nature of Experimental Research,
- i) Steps involved in Experimental Research, and
- ii) Experimental Designs.

**b) Historical Research:**

- i) Nature, and
- i) Steps involved in Historical Research

**c) Descriptive/Ex. Post-Facto Research:**

- i) Survey, ii) Content/ Activity Analysis iii) follow – Up
- iv) Causal comparative studies, v) Co-relational studies and
- vi) Prediction studies, vii) Case study, viii) Developmental studies.

**Unit - II Sampling:**

- i) Concept of population and sample,
- ii) Probability sampling- its different techniques, and
- iii) Non-probability sampling- its different techniques.

**Unit - III Data- gathering Devices:**

- i) Questionnaires, Check-lists,
- ii) Interview,
- iii) Rating scales and
- iv) Psychological tests.

**Unit - IV Steps Involved in Undertaking Educational Research:**

- i) Identification of the problem,
  - ii) Survey of the related literature,
  - iii) Formulation of the hypothesis,
  - iv) Planning and designing the research study,
  - v) Collection of data,
  - vi) Analysis and interpretation of data,
  - vii) Conclusions and summary, and
  - viii) Writing the research report.
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## **Part-B: Test Construction**

### **Unit - I Characteristics of a Measuring Instrument:**

- i) Objectivity,
- ii) Reliability and its methods of estimation, and
- iii) Validity and its methods of its estimation.

### **Unit - II Construction of Test:**

- i) Blue- print, Try out,
- ii) Item analysis to find difficulty value and discrimination index,
- iii) Revision of items and final format,
- iv) Standardization, administration and scoring.

## **Part-C: Statistics**

### **Unit - I Testing of Hypotheses:**

- i) Test of Significance ( for correlated and uncorrelated measures),
- ii) Analysis of Variance and
- iii) Chi-square Test and contingency coefficient.

### **Unit - II Correlation and Regression:**

- i) Correlated By-Product Moment and Rank Difference method,
- ii) Significance and interpretation of correlation coefficients, and
- ii) Regression Equation and Regression Curve.

### **Unit - III Application of Statistics in Research.**

**Note: Students shall have to attempt two questions from Part -A and One question each from Part-B and Part- C**

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a) Paper 2<sup>nd</sup> : **Recent Advances in Education**

Course No. Ph.D. 02

Marks: 100

**Unit –I Programs and Missions of Indian Education:**

- i) Sarva Shiksha Abhiyan (SSA),
- ii) Rashtriya Madhyamik Shiksha Abhiyan (RMSA), and
- iii) Rashtriya Uchcharat Shiksha Abhiyan (RUSA)

*(Detailed description and salient features of these schemes of education)*

**Unit –II Teacher Education:**

- iii) National Curriculum Framework for Teacher Education (2009),
- ii) NCTE – Organizational Pattern and Functions,
- iii) Justice Verma Committee (2013).

**Unit -III Psychological Basis:**

- i) Emotional Intelligence,
- ii) Spiritual Intelligence, and
- iii) Inclusive Education

**Unit-IV Evaluation and ICT in Education:**

- iii) Examination reforms with special reference to CCE, Open Book System, and Choice Based Credit System (CBCS),
- ii) ICT based Education- E learning Journey, Blended learning, Social Networking, Mobile learning application and Virtual presentation, and
- iii) Recent Research Studies on ICT.

**Note: The scholar shall also prepare a Book Review which is to be submitted to the Department before the Theory Examination.**

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