

# **Mahatma Gandhi Kashi Vidyapith, Varanasi (U.P.)**

## **Department of Education**

### **Pre- Ph.D. Course •**

#### **Course out line for Pre- Ph.D. Programme in Education**

Course (1)	Research Methodology	100
Course (2)	Annotated Bibliography and Review of related Researches in Concern area	100
Course (3)	Research Proposal – Preparation and Presentation	100

#### **Scheme of Evaluation**

1. Course (1) Research Methodology to be evaluated through written examination of 100 Marks.
2. Course (2) and Course (3) to be evaluated through internal assessment of 100 Marks each. Preparation and Presentation of Research Proposal to be evaluated through Viva-Voce.

## Course (1) Research Methodology

1. Knowledge and the Methods of Acquiring Knowledge,  
Educational Research: Nature and Field,  
Priority areas of Educational research in India.
2. Review of related literature.
3. Research Methods and Procedure – Historical & Philosophical,  
Descriptive, Experimental, Ex- post- facto and case study.
4. Identification of Problem, Hypothesis, Preparation of Research proposal.
5. Population, Sample and Sampling techniques and tools.
6. Analysis of Data : Qualitative Methods and Quantitative Methods:  
Parametric and Non-Parametric Techniques: Descriptive statistics and  
Inferential statistics with special reference to t-test, Analysis of variance  
(one way), Directional and Non- directional Test, Types of error, Chi-  
Square Test and Mann-Whitney Test.
7. Analysis of Data through Computer Application.
8. Research Report writing.

## References:

- Anastasi, A.: Psychological Testing, The McMillan Company, New York, 1968.
- Best, John W, Research in Education, Prentice Hall Inc, 1993
- Buch, M.B. (Editor): A survey of Research in Education in India, Centre of Advance study in Education, M.S. University of Baroda, 1974.
- Buch, M.S. (Editor): Third Survey of Research in Education (1978-1983). New Delhi, NCERT, 1986.
- Buch, M.S.(Editor): Second Survey of Research in Education (1972-1978) Baroda: Society for Educational Research and development, 1979.
- Cohen, Louis and Manion Lawrence: Research Methods in Education, Croom Helm, London, 1980.
- Corey, Stephen M.: Action Research to Improve School Practices, Bureau of Publications, Teachers college, Columbia University, New York 1953.
- Cronback, Lee J.: Essentials of Psychological Testing New York, Harper and Row, International Education, 1964.
- Dalen, Van and Deobold B. Van.: Understanding Educational Research, An Introduction (3<sup>rd</sup> edition), McGraw- Hill Book company, 1973.
- Ebel, R.L.: Essential of Educational Measurement, Prentice Hall, Inc., London, 1979.
- Edward, A.L.: Techniques of Attitude scale construction, Vakils Feffers and Simons PVT Ltd, Bombay, 1969.
- Edwards, Allen L.: Experimental Design in Psychological Research, Amerind Publishing Company, New Delhi, 1971.
- Ferguson, George A.: Statistical Analysis in Psychology and Education (Fifth Edition), McGraw Hill International Book Company, New York, 1981
- Freeman, F.S.: Theory and Practice of Psychological Testing, oxford and IBH Publishing Company New Delhi, 1965.
- Garrett, H.E.: Statistics in Psychology and Education, Vakils, Feffers and Simons PVT Ltd., Bombay, 1981.

- Gronlund, N.E.: Measurement and Education in Teaching, McMillan Publishing Company, Inc. New York, 1971.
- Guilford, J.P.: Fundamental Statistics in Psychology and Education, McGraw Hill Book company, Inc, 1965.
- Guilford, J.P.: Psychological Method, Tata McGraw Hill Publishing Co. Ltd. Bombay, 1954.
- Helmstadter G.C.: Research concepts in Human Behaviour, Education, Psychology, Sociology, Appleton Century Crofts, New York, 1978.
- Kerlinger, Fred N.: Foundation of Behavioral Research, Surjeet Publication, 7K Kolhapur Road, Kamla nagar, Delhi 1983.
- Koul, Lokesh: Methodology of Educational Research, Vikas Publishing House PVT Ltd, New Delhi, 1990.
- Pandey, K.P.: Fundamentals of Educational Research, Vishwavidyalaya Prakashan, Vranasi, 2005.
- Sharma, R.A.: Basic Experimental Designs in Educational and Psychological Research, Surya Publication, Meerut, 2006
- Sharma, R.A.: Fundamental of Educational Research, Loyal Book Depot, Meerut, 1993.
- Sidhu, K.S.: Methodology of Research in Education Sterling Publishers Pvt. Ltd., New Delhi, 1985.
- Siegal Sidney. : Non- Parametric Statistics for the Behavioral Sciences, McGraw Hill Company Inc. New York, 1956.
- Travers, M.W. Robert: An Introduction to Educational Research, The MacMillan Company, New York, 1961.
- Tuckman, Bruce w.: Conducting Educational Research, Harcourt Bruce Jovanovich, Inc. 1978.
- Van Dalen, Deo Bold V.: Understanding Educational Research, McGraw Hill Book Co., New York 1979.
- Verma, M.: An Introduction to Educational and Psychological Research, Asia Publishing House, 1965.