

**DEPARTMENT OF EDUCATION  
ALAGAPPA UNIVERSITY, KARAIKUDI**

**Ph.D. Pre Registration Qualifying Entrance Examination  
Revised Syllabus**

**COURSE NAME: RESEARCH METHODOLOGY**

**UNIT -I RESEARCH IN EDUCATION**

Education research-Meaning, purpose and areas of educational research - Kinds of educational research: basic & applied research, and action research, and their characteristics - knowledge and Research - Planning the research study: sources of research problems, review of the literature-purpose and resources-Web resource-statement of problem-purpose.

**UNIT -II QUANTITATIVE METHODS OF RESEARCH**

Quantitative method: meaning, definition – survey; descriptive - co-relation studies, developmental, comparative and casual-comparative and correlation research-controlling variables- Nature of experimental research, variables in experimental research -independent, dependent and confounding variables - Experimental research designs: single-group pre-test post-test design, pre-test post-test control-group design, Post-test only control-group design, and Factorial design.

**UNIT -III QUALITATIVE METHODS OF RESEARCH**

Qualitative research: meaning, steps and characteristics - Qualitative research approaches- phenomenology, ethno- methodology, naturalistic enquiry: case studies- Historical research- meaning, significance, steps, primary and secondary sources -Mixed Research-meaning, fundamental principles, strengths and weaknesses, types and, limitations

**UNIT -IV METHODS AND TOOLS**

Objectives, Hypothesis- Research Question - Population-Sample-Sampling-Tools standardization of tools, Reliability, validity, objectivity, usability and comprehensiveness – inventories –Questionnaires- Interview –observation schedule –rating scale, -check list.

**UNIT V- RESEARCH REPORT**

Preparation of the research proposal- format of the research report -The dissertation or thesis –style of writing - synopsis–evaluation of research report.

## Reference and Textbooks:-

- Best J.W. (1999). *Research in Education*, New Delhi: Prentice Hall of India Pvt. Ltd.
- Borg, W.R. and Gall, M.D. (1983). *Educational Research – An Introduction*, New York: Longman, Inc.
- Christensen, L. (2007). *Experimental Methodology*. Boston: Allyn & Bacon.
- Clive Opie (2004). *Doing Educational Research- A Guide for First time researchers*. New Delhi: Vistaar Publications.
- Cohen, Lewis and Manion Lawrence (1994) *Research Methods in Education* New York : Holt Rinchart and Winston Inc.
- Flick, Uwe (1996): *An Introduction to Qualitative Research*. London sage publication
- Fraenkel, J.R., Wallen, N.E. (1996). *How to Design and Evaluate Research in Education*. New York: McGraw Hill.
- Jill Porter & Penny Lacey (2005). *Researching Learning Difficulties- A Guide for Practitioners*. Paul Chapman Publishing.
- Kaul, Lokesh (1984). *Methodology of Educational Research*. New Delhi: Vikas Publications.
- Keeves, John. P (ed)(1990) *Educational Research Methodology and Measurement : An International Handbook*. New York :Pergamo Press
- Kerlinger, F.N. (1986). *Foundations of Behavioural Research*. Fort Worth, TX: Harcourt Bmce Jovanovich.
- Pamela Maykut& Richard Morehouse (1994). *Beginning Qualitative Research- A Philosophic and Practical Guide*. The Falmer Press London. Washington D.C.
- Patton. M.Q. (2002). *Qualitative Research and Evaluation Methods*. Thousand Oaks: C.A: Sage.
- Scott, David & Usher, Robin (1996). *Understanding Educational Research*. New York: Rout ledge.
- Shank, G.D. (2002). *Qualitative Research*. Columbus, ott: Merrill, Prentice Hall.
- Sharma, Bharti (2004). *Methodology of Educational Research*. New Delhi: Vohra Publishers and Distributors.
- Sharma, S.R. (2003). *Problems of Educational Research*. New Delhi: Anmol Publications Pvt. Ltd.
- Travers, Robert M.W. (1978). *An Introduction to Educational research (4th edition)*. London: MacMillan.

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