

Faculty of Education, Dr.B.R.Ambedkar Open University
Ph. D & M.Phil course work w.e.f. 2022
Paper: EDN – 1
RESEARCH METHODS IN EDUCATION

Objectives:

1. To enable students to understand the foundations of educational research
2. To develop research aptitude among students
3. To enable students to familiarize with different methods and approaches of educational research
4. To enable students to apply appropriate statistical techniques
5. To enable students to design educational research and use relevant tools, techniques & procedures
6. To understand the application aspects of descriptive and inferential statistics
7. To enable students to write and evaluate research reports and thesis

Unit I: Introduction to Research in Education

1. Sources of Knowledge: Empirical methods and Non empirical methods, Experience, Authority, Deductive Reasoning, Inductive Reasoning, The scientific approach
2. Meaning of Research, Nature of Research, and characteristics of Research in Education
3. Concept of a variable, Types of variables, Concept of Measurement, Scales of Measurement: Nominal Scale, Ordinal Scale, Interval Scale and Ratio Scale
4. Communicating Research: APA guidelines of writing the research report, Different steps involved in writing the research report as per the APA style manual

Unit II: Research Process

5. The Research Problem: Meaning of a problem in research, Sources of problems, Stating the research problem, Identification of the research problem, Selecting the research problem in Quantitative and Qualitative research, Meaning of theory, Role of theory in identification and selection of the problem in educational research and Writing Research Proposal
6. Reviewing the literature, role of related literature in qualitative, quantitative and mixed methods research. Online data base searching. Organizing the review of related literature in the dissertation
7. Hypotheses: Meaning of Hypotheses, Types of Hypotheses, and Characteristics of Hypotheses.
8. Sampling: Meaning of Sampling, steps in sampling, Probabilistic and Non Probabilistic sampling methods.

Unit III: Types, Methods and Designs of Research

9. Types of Research: Quantitative, Qualitative approaches, and Mixed methods in Education.
10. Quantitative Research: Experimental research and Non Experimental research

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11. Qualitative Research: Case studies, Document or Content analysis, Ethnography, Grounded theory, Historical Research, Narrative Inquiry and Phenomenological Studies
12. Methods of Research:
 Experimental Research: characteristics of experimental research, Experimental design, Validity of experimental research – Internal validity and external validity.
 Experimental research designs: Pre-experimental, True experimental designs Simple Randomised design, Randomised Block design, Factorial design, Quasi experimental designs, and Single subject experimental designs. Ex Post Facto Research: Meaning of Expost-facto research, characteristics of Expost-facto research.
 Correlational Research: Meaning and characteristics of Correlational research.
 Survey Research: Types of surveys, Steps involved in survey research.
 Historical research: Meaning and characteristics of historical research.
 Action Research: Meaning and characteristics of action research

Unit IV: Tools of research and Data analysis

13. Tools of Research and Standardization of tools: Achievement tests, Attitude and Rating scale, Observation, Interview.
14. Validity and Reliability of the tools of research: Meaning of reliability and validity, Different methods of establishing reliability and validity.

Unit: V: Analysis of the data: Meaning of data analysis, Concept of skewness and kurtosis. Characteristics of Normal Probability curve, Importance of Normal curve in educational research.

15. Meaning of Descriptive statistics, Inferential statistics, Parametric and Non-Parametric statistical techniques.
Correlation coefficient: Product moment Correlation and Rank correlation coefficient, Biserial and Point biserial correlation. Partial correlation and Multiple correlation.
16. Parametric tests: 't' test, one way ANOVA, Two way ANOVA and MANOVA.
Non Parametric statistics: Chi square and Median test.
Multivariate Data Analysis: Factor Analysis and Multiple Regression,
 Understanding of the data analysis procedures using IBM-SPSS software

References:

1. Best John W & James V Kahn (2008): Research in Education, Prentice-Hall of India Pvt. Ltd. New Delhi.
2. Kothari CR (2004): Research Methodology – Methods & Techniques, New Age International Publications, New Delhi.
3. Lokesh Koul (2002): Methodology of Educational Research. Vikas Publishing House Pvt. Ltd. New Delhi.
4. Ram Ahuja (2001): Research Methods, Rawat Publications, Jaipur.
5. Garrett Henry E (1985): Statistics in Psychology and Education, Vakils, Feffer and Simons Ltd, Bombay.
6. Gay L R (1996): Educational Research – Competencies for Analysis and Applications. Prentice - Hall Inc. New Jersey.

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Faculty of Education, Dr.B.R.Ambedkar Open University

M.Phil. course work w.e.f. 2022

Elective Paper – Paper: EDN 2 b

P-2 EDUCATIONAL PLANNING & ADMINISTRATION

Objectives:

1. To enable the Student to understand the historical background of Educational administration
2. To understand different approaches and modern trends in Educational Administration.
3. To help the Students understand the concept, functions, theories, and types of leadership and its assignment in Educational administration.
4. To acquaint the Student with concepts and principles of Educational finance.
5. To develop an idea about costs and benefits of Education, resource mobilization and problems of Educational finance.
6. To provide an overview of Educational planning, relationship in the policy, making and problems in Educational planning.

Unit I: Introduction to Educational Administration and Management

Educational Management and Administration: Concept, Nature, Scope and Functions.

Educational planning: Meaning, Importance, Nature, Goals, Principles and Types of Educational planning.

Institutional planning: Characteristics of institutional planning and Procedure of preparing an Institutional plan.

Organization: Meaning, Principles, Formal and Informal Aspects of organization, Span of control, Delegation, Decentralization, Line and Staff.

Unit II: Educational Administration in India

Education and the Indian Constitution.

Educational Administration at the Local, State and National levels.

Role and functioning of advisory bodies: CABE, NCERT, SCERT, UGC, NCTE, AICTE

Structure of Education in India from Pre-Primary education to Post Doctoral level education & Administrative set up of Education in Andhra Pradesh.

Unit III: Administrative Processes

Motivation and theories of Motivation: Concept of motivation, Theories of motivation -

Content theory: Need Hierarchy, Motivation Hygiene theory, ERG theory.

Process theory: Expectancy theory, Equity theory, Goal setting theory, management by objectives.

Leadership: Meaning and concept of Leadership, The nature of leadership, Differences between and leader and manager, Approaches to Leadership.

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Communication: Meaning of communication, Importance of communication, Verbal and Non verbal communication, Direction of communication, communication network, barriers to communication; overcoming barriers to communication.

Decision Making: Nature of decision making, Models of decision making, Factors influencing decision making, Group decision-making techniques.

Unit IV: Human Resource Development

Concept of Human Resource Development and Human Resource Planning.

Recruitment and Selection.

Training and Development.

Performance Appraisal.

References

1. Prakash, (2005): Educational Planning Gyan Publishing house, 5, Ansari Road. New Delhi.
2. Khan Sharif and Saleem Khan (2007): Educational publishing corporation, 4435-36/7, Ansari Road, Darya Ganj, New Delhi.
3. Mishra R.C. (2007): History of Education Administration, S.B. Nangia A.P.H. Publishing Corporation, 5, Ansari Road, Darya Ganj, New Delhi.
4. Mohanty J (2005): Educational Administration, Supervision and School Management (2nd revised and Enlarged Edition) Deep & Deep publications Private limited, F-159 Rajonri Garden, New Delhi.
5. Agarwal, J.C. (2007): Development of Educational system in India, (Revised Edition) Shipra publications 115-A, Vikas marg, Shakarpur, Delhi.
6. Singh Rajendra Prasad (1997): Educational Finance and the Planning Challenge, (A Critical approach to Sectoral Strategy), Mathur S.S. (1990): Educational administration and Management. The India Publications, Ambala Cantt.
7. Sharma R.N. (2007): Educational Administration, Management and Organization, Subject Publications, Delhi.

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P-2



Dr.B.R.AMBEDKAR OPEN UNIVERSITY
FACULTY OF EDUCATION
Ph.D Pre-Examination Syllabus

Subject: EDUCATIONAL PLANNING & ADMINISTRATION

Topic: "Awareness of Pre- service teachers about Self- realization and Self- actualization in relation to Teacher Education".

Hureen Wasifa Siddiqui
Admission No. 22821962912

Unit I: Introduction to Educational Administration and Management

1. Educational Management and Administration: Concept, Nature, Scope and Functions.
2. Educational planning: Meaning, Importance, Nature, Goals, Principles and Types of Educational planning.
3. Institutional planning: Characteristics of institutional planning and Procedure of preparing an Institutional plan.
4. Organization: Meaning, Principles, Formal and Informal Aspects of organization, Span of control, Delegation, Decentralization, Line and Staff.

Unit II: Educational Administration in India

1. Education and the Indian Constitution.
2. Educational Administration at the Local, State and National levels.
3. Role and functioning of advisory bodies: CABE, NCERT, SCERT, UGC, NCTE, AICTE
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5. Human Resource Development: Concept of Human Resource Development and Human Resource Planning, Recruitment and Selection, Training and Development. Performance Appraisal.

Unit-IV: Status of Teacher Education in India . Recommendations of commissions related to Teacher Education from 1947 to 2020 . The recommendations of Radha Krishnan commissions related to Teacher Education. Indian Education Policy or Kothari commission 1966. 1986 New Education policy; 2020-New Education policy. National Curriculum Framework for Teacher Education (NCFTE 2009) The growth of teacher education institutions in T.S:

Teacher as a Continuous practitioner – (A) concept of CPD (Continuous Professional Development), **Types of resources for professional development and learning:** Colleagues as a resource: . Reflective practices (a) Action research – Nature of Action research ; Action research : views from peer group teachers about improving teaching. (b) Peer Observation (c) student feedback. Different strategies of Reflection . Feedback, Video recording. Lesson, Reflective Journal- what is reflective journal ? structure of reflective journal; how to design reflective journal ; advantages and disadvantages of writing reflective journal.

Unit- V: The concept of Self Realization; Definition ; what is spiritual self realization; Importance of self realization ; qualities of a self realized person ; the science of self realization ; stages of self realization ; the impediments of self realization and strategies of attain self realization . (c) the concept of self – actualization ; the psychology of self actualization and self- realization ; the philosophy of self realization and self actualization .

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Dr.B.R.AMBEDKAR OPEN UNIVERSITY
FACULTY OF EDUCATION
Ph.D Pre-Examination Syllabus

Subject: **EDUCATIONAL PLANNING & ADMINISTRATION**

Topic: Life skills and study habits: Impact of the Achievement in biological Science

N.Siva Kumar

Admission No. 22821962914

Unit I: Introduction to Educational Administration and Management

1. Educational Management and Administration: Concept, Nature, Scope and Functions.
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5. Human Resource Development
Concept of Human Resource Development and Human Resource,
Planning, Recruitment and Selection, Training and Development, Performance Appraisal.

Unit-IV Nature, scope, Need and importance of Biological science in education, The Aims and Objectives of Biological science in education, teaching methods of pedagogy of teaching Biological science in education

Unit- V Academic Achievement of students in the secondary level, Role and life skills and study habits of teachers in Teacher Education

References

1. Prakash, (2005): Educational Planning Gyan Publishing house, 5, Ansari Road. New Delhi.
2. Khan Sharif and Saleem Khan (2007): Educational publishing corporation, 4435-36/7,

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- Ansari Road, Darya Ganj, New Delhi.
3. Mishra R.C. (2007): History of Education Administration, S.B. Nangia A.P.H. Publishing Corporation,5, Ansari Road, Darya Ganj, New Delhi.
 4. Mohanty J (2005): Educational Administration, Supervision and School Management (2nd revised and Enlarged Edition) Deep & Deep publications Private limited, F-159 Rajonri Garden, New Delhi.
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 6. Singh Rajendra Prasad (1997): Educational Finance and the Planning Challenge, (A Critical approach to Sectoral Strategy), Mathur S.S.(1990): Educational administration and Management. The India Publications, Ambala Cantt.
 7. Sharma R.N. (2007): Educational Administration, Management and Organization, Subject Publications, Delhi.

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Dr.B.R.AMBEDKAR OPEN UNIVERSITY
FACULTY OF EDUCATION
Ph.D Pre-Examination Syllabus
Subject: EDUCATIONAL PLANNING & ADMINISTRATION
Topic: Information Communication Technology

Raju kammari

Admission No. 22821962937

Unit I: Introduction to Educational Administration and Management

1. Educational Management and Administration: Concept, Nature, Scope and Functions.
2. Educational planning: Meaning, Importance, Nature, Goals, Principles and Types of Educational planning.
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4. Organization: Meaning, Principles, Formal and Informal Aspects of organization, Span of control, Delegation, Decentralization, Line and Staff.

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Unit-IV Meaning, Deification, Nature, Scope, Need and Importance of ICT in Education, The

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Aims and Objectives of ICT in education Administration, ICT in stenthing education
Unit- V Impact of ICT in Academic Achievement of students in the secondary level,
Barriers of FICT implements, mentions of schools Education

References

1. Prakash, (2005): Educational Planning Gyan Publishing house, 5, Ansari Road. New Delhi.
2. Khan Sharif and Saleem Khan (2007): Educational publishing corporation, 4435-36/7, Ansari Road, Darya Ganj, New Delhi.
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Dr.B.R.AMBEDKAR OPEN UNIVERSITY

FACULTY OF EDUCATION

Ph.D Pre-Examination Syllabus

Subject: EDUCATIONAL PLANNING & ADMINISTRATION

Topic: "Introducing CBSE curriculum In govt schools of A.P". A study on perceptions of stakeholders in NTR DIST.

K.Mohan Rao

Admission No. 22821962938

Unit I: Introduction to Educational Administration and Management

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T.S: Integrated Approach in Teaching Learning and Assessment: Major concepts: Significance, Different types, Interdisciplinary Approach, Stages of application, integrated learning activities; Approaches of teaching mathematics. Dynamic teaching of mathematics.

Unit- V : The concept of Academic standards for mathematics: NCFTE 2009; State council of Educational Research and Training-T.S and A.P Curriculum Framework-2011 and National Curriculum Framework-2005 and Right to Education Act-2009; Preparation of Textbooks for all the classes. The role of the teacher in the preparation of text books.

Continuous Comprehensive Evaluation ; Strategies of Assessment in school Education. Learning outcome: To get acquainted with assessment strategies. The role of Board of secondary Education ; the role of SCERT ; The role of Head masters ; mathematics teachers ; policy makers ; parents and community members.

References:

7. Best John W & James V Kahn (2008): Research in Education, Prentice-Hall of India Pvt. Ltd. New Delhi.
8. Kothari CR (2004): Research Methodology – Methods & Techniques, New Age International Publications, New Delhi.
9. Lokesh Koul (2002): Methodology of Educational Research. Vikas Publishing House Pvt. Ltd. New Delhi.
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