

**Syllabus for Two-year
Master of Education (M.Ed.)
Programme**



**St. XAVIER'S COLLEGE OF EDUCATION
(AUTONOMOUS)**

[Re-accredited (3rd Cycle) at 'A' Grade by NAAC with CGPA : 3.67]
**Palayamkottai - 627 002, Tirunelveli,
Tamilnadu**

2018 - 2020

M.Ed. Syllabus

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SEMESTER I

Paper I: Historical and Philosophical Perspectives of Education

M.Ed. : Sem. I

Sub. Code : MPHP

Objectives:

The student

1. acquires knowledge of the basic concepts of philosophy, the relationship between education and philosophy.
2. understands the different philosophical systems and their educational implications.
3. appreciates the contributions made to education by prominent educational thinkers.
4. familiarizes the concept of multi-cultural education in Indian society.
5. analyses the emerging perceptions in value education.

Unit I: Philosophy of Education

Philosophy: Meaning, concept, scope and nature - Functions of philosophy and education - Modes of philosophical inquiry - Relationship between philosophy of teaching and teaching styles - Salient features of eastern and western philosophies of education - Beliefs of traditional philosophy and progressive philosophy - Liberal philosophy: Historical background and basic characteristics - Radical philosophy: Special features, modern concept of philosophy: Analysis - Logical analysis - Logical empiricism and positive relativism

Unit II: Eastern Philosophies of Education

Philosophy of Vedas, Sankhya, Vedanta in education, concept of yoga and its educational implications - Heterodox schools of Indian philosophy: Buddhism, Jainism and their educational implication - Islamic philosophy of education and its implications - Christian philosophy of education and its implications

Unit III: Western Philosophies of Education

Idealism, naturalism, pragmatism, existentialism, realism, Marxism with special reference to the concepts of knowledge, reality, values and their educational implications for aims, contents and methods of education

Unit IV: Educational Philosophers and their Educational Contribution

Western philosophers: Plato, John Dewey, Pestalozzi, Maria Montessori, Froebel, Paulo Friere and Ivan Illich - Eastern Philosophers: Thiruvalluvar, Aurobindo, Dr. A.P.J. Abdul Kalam, Radha Krishnan, Vivekananda and Tagore

Unit V: Multi-Cultural Education and Emerging Perceptions in Value Education

Multi-cultural Education: Meaning, concept, need, scope and principles of teaching and learning in multi-cultural society - Approaches to multi-cultural education - Value education: Meaning, definition, classification of values, emerging perceptions in value education - Values as an instrument to counter terrorism

References

1. Aggarwal, J.C. (1987). *The Progression of Education in Free India*. New Delhi: Arya Book Depot.
2. Aggarwal, J. C. (2013). *Landmarks in the History of Modern Indian Education*. New Delhi: Vikas Publishing House.
3. Aggarwal, J.C. (1985). *Theory and Principles of Education*. New Delhi: Vikas Publishing House.
4. Bhatia, B.D. (1970). *Theory and Principles of Education*. New Delhi: Doaba House.
5. Bhatia, K.K. & Narang, C.L. (2005). *Philosophical and Sociological bases of Education*, Ludhiana: Tandon Publishing.
6. Chandra, S.S., Sharma & Rajendra, K. (2002). *Principles of Education*. New Delhi: Atlantic Publishers and Distributors.

7. David Stewart & Geene Blocker, H. (1987). *Fundamentals of Philosophy*. New York: MacMillan Publishing House.
8. Fredrick Mayer. (1987). *A History of Modern Philosophy*. New Delhi: Eurasia Publishing House.
9. Gara Latchanna. (2015). *Foundations on Education*. Hyderabad: Neelkamal Publications.
10. Harald Hoffding. (1955). *A History of Modern Philosophy*. Dover Publications.
11. Kamala Bhatia & Baldev Bhatia. (1974). *The Philosophical and Sociological Foundations of Education*. New Delhi: Doaba House.
12. Mohanty, J. (1994). *Indian Education in the Emerging Society*. New Delhi: Sterling Publications.
13. Mukul Kumar Sarma. (2014). *Philosophical and Sociological Foundations of Education*. Hyderabad: Neelkamal Publications.
14. Rai, B.C. (1982). *Theory of Education*. Lucknow: Prakashan Kendra.
15. Safaya, R.N. & Shaida, B.D. (1994). *Education Theory and Practice*. New Delhi: Dhanpat Rai.
16. Shankar Rao, C.N. (1990). *Sociology: Primary Principles*. New Delhi: S. Chand Publishing House.
17. Sharma. (1992). *Philosophical and Sociological Foundations of Education*. Agra: Lakshmi Narain Aggarwal.
18. Sing, K. (2001). *Principles of Sociology*. New Delhi: Prakashan Kendra.
19. Sivarajan, K (2015). *Education in Contemporary India and Perspectives on Education*, Kozhikode: Calicut University.
20. Suresh Bhatnagar. (2002). *Modern Indian Education and its Problems*. Meerut: R.Lall Book Depot.
21. Swaroop Saxena, N.R. (1993). *Principles of Education*. Meerut: R.Lall Book Depot.

22. Swaroop Saxena. (2002). *Principles of Education*. Meerut: R.Lall Book Depot.
23. Taneja, V.R. (1987). *Educational Thoughts and Practice*. Delhi: Sterling Publications.
24. Utarid, S.J. (1963). *An Introduction to Educational Sociology*. Palayamkottai: St. Xavier's College.

Paper II: Psychology of Learning and Development

M.Ed. : Sem. I

Sub. Code : MPPL

Objectives:

The student

1. acquires knowledge about the psychology of the learners.
2. understands the individual differences that exist among the learners.
3. learns the theories of learning and its application.
4. analyses the styles of learning.
5. appreciates emotional behaviour and balances his/her emotions.

Unit I: Individual Differences

Meaning - Characteristics - Types - Determinants - Causes - Individual differences and classroom management - Teacher's role - Becoming a fully functioning person - Challenges

Unit II: Learning and Information Processing

Theories of learning: Guthrie, Hull and Kurt Lewin theory - Insight learning: Kohler - Hierarchy of Learning: Gagne - Information processing approach - Memory and its types - Causes of forgetting - Thinking and metacognition: Meaning and definition - ARCS model of instruction - Constructivism in teaching

Unit III: Motivation and Learning Styles

Motivation cycle - McClelland's achievement motivation - Learning styles of Kolb: Diverging, assimilating, converging and accommodating - H. Gardener's styles of learning: Visual, auditory and kinesthetic - McCarthy's 4MAT model of teaching

Unit IV: Emotional Behaviour

Emotion, Decision making and emotional intelligence - Theories of emotion : James Lange theory - Cannon-Bard theory - Characteristics of emotionally balanced people - Sexual violence - Balancing emotions for happiness - Classroom climate - Role of the teacher and students

Unit V: Mental Health

Mental Health: Meaning and definition - Characteristics of a mentally healthy person - Mental Hygiene: Definition and objectives - Need of mental health and hygiene for teachers - Factors affecting mental health – Assessment of mental health - Adjustment as a process - Adjustment problems - Methods and mechanisms of adjustment - Guidance techniques in adjustment - Group dynamics - Group process - Interpersonal relationship - Sociometric grouping

References

1. Bhatia, B.D. & Safeya, R.N.K. (1997). *Educational Psycho-logy and Guidance*. New Delhi: Dhanpat Rai and Sons.
2. Bhatnagar Suresh. (2005). *Advanced Educational Psychology*. Meerut: R.Lall Book Depot.
3. Bruce Williams, R. (2002). *Multiple Intelligences for Differentiated Learning*. New Delhi: Corwin Press.
4. Burman, E. (2015). *Deconstructing Developmental Psychology*. New Delhi: Routledge Publications.
5. Cronbach. (1977). *Educational Psychology*. New York: Harcourt, Brace.
6. Crow & Crow. (1991). *Educational Psychology*. New Delhi: Eurasia Publishing House.
7. Dodge Fernald., et al. (1999). *Introduction to Psychology*. Delhi: AITB Publishers and Distribution.
8. Frydenberg Erica . (2015). *Adolescent Coping*. New Delhi: Routledge Publications.
9. James W. Kalat. (1999). *Introduction to Psychology*. California: Wadsworth Publishing Company.
10. Kundu, C. L. (2001). *Educational Psychology*. New Delhi: Sterling Publishers.
11. Mangal, S.K. (2006). *Educational Psychology*. Ludhiana: Tandon.

12. Mangal, S K. (2015). *Advanced Educational Psychology*. New Delhi: Prentice Hall of India.
13. Mathew Coxon. (2012). *Cognitive Psychology*. New Delhi: SAGE Publications.
14. Minton Stephen James. (2012). *Using Psychology in the Classroom*. New Delhi: SAGE Publications.
15. Nirmala, J. (2014). *Psychology of Learning and Human Development*. Hyderabad: Neelkamal Publications.
16. Parkin, A J. (2015). *Essential Cognitive Psychology*. New Delhi: Routledge Publications.
17. Rober A. Baron. (1989). *Psychology*. Boston: Allyiv and Bacon.
18. Sharma, R.A. (2005). *Fundamentals of Educational Psychology*. Meerut: Surya Publishers.
19. Sivarajan, K. (2013). *Psycholgy of the Learner and Learning*. Kozhikode: Calicut University Publitions.
20. Sivarajan, K. (2015). *Development of the Learner and Facilitating Learning*. Kozhikode: Calicut University Publitions.

Paper III: Educational Sociology

M.Ed. : Sem. I

Sub. Code : MPES

Objectives:

The student

1. understands the importance and role of education in the Indian society.
2. acquires the knowledge of social organizations, formal and informal organizations and the role of individuals in organizations.
3. familiarizes the process of social change, social progress and the difference between social change and cultural change.
4. gets acquainted with constitutional provisions for Education in Indian democracy.
5. analyses the concept of secularism, LPG, UNESCO's document on education and its implications.

Unit I: Educational Sociology

Educational Sociology: Meaning, definition, nature and scope - Social functions of education - Relationship of sociology and education, education as a social sub system and its specific characteristics - Social agencies of education: Home, school, community, religion and state

Unit II: Social Processes

Education and socialization of the students, education and social stratification, conflicts and co-operation - Education and social mobility - Marxism and social revolution - Martin Luther and social reformation - Social organizations: Meaning, nature and characteristics - Social groups: Meaning, significance and types

Unit III: Social Change and Culture

Meaning and nature of social change, education as related to social equity and equality of educational opportunities - Constraints on social change in India: Caste, ethnicity, class, language, religion, regionalism - Teacher as an agent of social change - Culture: Meaning, characteristics, cultural lag, education as an agency of cultural development

Unit IV: Education and Modernization

Modernization: Meaning, characteristics and role of education in modernization - Cyberology - Digital divides in the society - Social Medias and Social Problems - Education for national development

Unit V: Current Issues

Education and democracy: Meaning, characteristics, democratic rights - Education and secularism: Meaning, characteristics, educational implications - Socialism and educational implications - Women and rural population - Demonetisation - Status of socially disadvantaged group

References

1. Adishesiah & Pavanasam. (1974). *Sociology in Theory and Practice*. Karaikudi: Alagappa University.
2. Aggarwal, J.C. & Agarwal, S.P. (1991). *Educational and Social Upliftment of Backward Classes*. New Delhi: Concept Publications.
3. Aggarwal, J.C. (1988). *10+2+3 Pattern*. New Delhi: Vikas Publishing House.
4. Aggarwal, J.C. (1993). *Theory and Principles of Education*. New Delhi: Vikas Publishing House Pvt. Ltd.
5. Arulsamy, S. (2010). *Curriculum Development*. Hyderabad: Neelkamal Publications Pvt. Ltd.
6. Bhatia, B.D. (1970). *Theory and Principles of Education*. New Delhi: Doaba House.
7. Bhatnagar, S. (1990). *Indian Education Today and Tomorrow*. Meerut: Loyal Book Depot.
8. Chandrakumar, P.S., Amalraj, A. & Arockiasamy, S. (1992). *Educational Sociology*. Tirunelveli: PAS Publications.
9. Chaube, S.P. (1988). *History and Problems of Indian Education*. Agra: Vinod Pustak Mandir.
10. Cole Mike Education. (2014). *Equality and Human Rights*. New Delhi: Routledge Publications.

11. Dev Prakash. (2014). *Social Psychology*. New Delhi: SAURABH Publications.
12. Mohanty, J. (1994). *Indian Education in the Emerging Society*. New Delhi: Sterling Publications.
13. Mukherji, H.S. (1966). *History of Education in India - Modern Period*. Acharya Book Depot.
14. Mukul Kumar Sarma. (2014). *Philosophical and Sociological Foundations of Education*. Hyderabad: Neelkamal Publications.
15. Nanda, V.K. (2002). *Environmental Education*. New Delhi: Anmol Publications.
16. Panneerselvam, A. (1996). *Environmental Science and Education*. New Delhi: Sterling Publications.
17. Pillai, K.K. (1985). *Curriculum - Teaching and Evaluation*. Chidambaram: Annamalai University.
18. Raghunath Safaya & Shaida, B.D. (1975). *Educational Theory and Practice*. Delhi: Dhanpat Rai & Sons.
19. Sharma, R.A. (1962). *Principles of Sociology*. Meerut: R.Lall Book Depot.
20. Sharma, R.C. (1986). *Environmental Education*. New Delhi: Metropolitan.
21. Sivarajan, K. *Perspectives on Education and Education in the Socio-Cultural Context*. Kozhikode: Calicut University Publications.
22. Swaroop Saxena, N.R. & Shikha Chaturvedi. (2005). *Education in Emerging Indian Society*. Meerut: R. Lall Book Depot.
23. Swaroop Saxena. (1993). *Principles of Education*. Meerut: R.Lall Book Depot.
24. Utarid, S.J. (1972). *An Introduction to Educational Sociology*. Palayamkottai: St. Xavier's College of Education.

Paper IV: Research Methodology - I

M.Ed. : Sem. I

Sub. Code : MPRM1

Objectives:

The student

1. understands the concept of educational research.
2. identifies the problems, variables in educational research.
3. familiarizes with the review of literature.
4. knows the different types of sampling techniques.
5. applies different types of tools and techniques in educational research.

Unit I: Concept of Educational Research

Meaning and nature, need and importance and scope of educational research - Nature of knowledge, source of knowledge - Scientific method: Definition, steps - Four levels of educational research - Qualities of research - Areas of educational research - steps in educational research - Kinds of educational research: Basic and applied research, evaluation research and action research, and their characteristics - Research paradigms in education: Qualitative, mixed and quantitative and their characteristics

Unit II: Research Problem, Variable and Hypothesis

Sources, selection and criteria of research problems, limitations and delimitations, research questions, statement of the problem in different forms - Concept, nature, characteristics and types of variables - Inter relationship of different variables - Concept, importance, characteristics and forms of hypothesis - Formulation and testing - Level of significance - Errors in hypothesis testing - Assumptions: Meaning and role

Unit III: Review of related Literature

Purpose, need at different stages of research and steps of review of literature - Source: Primary, secondary, other sources, on line / off line references - Qualities of a researcher - Study skills for educational researcher: Skills for literature search, library skills, reading skills, and note taking skills - Abstracting and organizing

literature - Criticism of literature - Introduction to integrative research review and meta-analysis.

Unit IV: Population and Sample

Population - Concept and its types - Sample: Concept, need, characteristics - sampling unit, sampling frame - Sample size: Important considerations in determining sample size, sampling error, representative and biased samples - Probability sampling techniques: Simple random, systematic, stratified random, cluster and multi-stage - Non-probability sampling techniques: Convenience, purposive, quota and snowball - Sampling in qualitative and mixed research - research proposal

Unit V: Tools and Techniques of Educational Research

Tools: Meaning and concept - Characteristics of a tool - Establishing validity, reliability - Validation and standardization of a tool - Techniques: Observation, interview, socio-metric techniques, questionnaire, rating scales, interview schedules, attitude scales, checklist, personality inventories - projective devices

References

1. Basavayya, D. & Venkataiah, N. (2016). *Essence of Educational Research Methodology*. New Delhi: Neelkamal Publications.
2. Bergman, M.M. (2008). *Advances in Mixed Methods Research*, New Delhi: SAGE Publications.
3. Best John, W. (1974). *Research in Education*. New Delhi: Prentice-Hall of India.
4. Burke Johnson & Larry Christensen. (2012). *Educational Research: Quantitative, Qualitative and mixed Approaches*. Los Angeles: Sage Publications.
5. Dipti & Bhatt. (2015). *Research Methods in Education*. New Delhi: Neelkamal Publications.
6. Gupta Mukul. (2013). *Research Methodology*, New Delhi: Prentice Hall of India.
7. Keith F. Punch. (2009). *Introduction to Research Methods in Education*. Los Angeles: Sage Publications.

8. Kothari, C.R. (1998). *Research Methodology*. New Delhi: Wiley.
9. Lokesh Koul. (1995). *Methodology of Educational Research*. New Delhi: Vikas Publishing House.
10. Louis Cohen, Lawrence Manion & Keith Morrison. (2010). *Research Methods in Education*. London: Routledge Taylor & Francis Group.
11. Maheswari, V.K. & Suraksha Bansal. (2013). *Elements of Educational Research*. Meerut: Raj Printers.
12. Monroe Walter, S. (2006). *Encyclopaedia of Educational Research*, New Delhi: Cosmo Publications.
13. Nigel Ford. (2012). *Using the Web for Research*. New Delhi: SAGE Publications.
14. O'Leary Zina. (2012). *Essential Guide to Doing Your Research Project*, New Delhi: Sage Publications.
15. Prakash Ravi. (2003). *Methodology of Educational Research*. New Delhi: Common Wealth Publications.
16. Ranjit Kumar. (2014). *Research Methodology: A Step-by Step Guide for Beginners*. New Delhi: Sage Publications.
17. Saxena, N.R., Mishra, B.K. & Mohanthy, R.K. (2009). *Fundamentals of Educational Research*. Meerut: R.Lall Book Depot.
18. Sharma, R.A. (2013). *Educational Research*. Meerut: R. Lall Book Depot.
19. Sharma, R.N. (2005). *Methodology of Educational Research*. New Delhi: Surjeet Publications.
20. Sukhia, S.P. (1974). *Elements of Educational Research*. New Delhi: Allied Publications.
21. Sullivan Paul. (2012). *Qualitative Data Analysis*, New Delhi: Sage Publications.

SEMESTER II

Paper V: Research Methodology - II

M.Ed. : Sem. II

Sub. Code : MPRM2

Objectives:

The student

1. understands the different types of quantitative research.
2. realizes the different types of qualitative research.
3. familiarizes with different methods of data collection.
4. prepares a very good research report.
5. knows the modern trends in educational research.

Unit I: Quantitative Methods of Research

Experimental research: Nature, variables: Independent, dependent and confounding variables; ways to manipulate an independent variable, purpose and methods of control of confounding variables - Pre-experimental research, quasi-experimental designs, true experimental research - Internal and external validity of results in experimental research - Non-experimental research: Survey, causal-comparative and correlational research, classification by time: Cross-sectional, longitudinal (Trend and Panel studies), and retrospective classification by research objectives: Descriptive, predictive and explanatory

Unit II: Qualitative Methods of Research

Qualitative Research: Meaning, steps and characteristics - Phenomenology, ethnography, case studies and grounded theory - Historical research - Mixed research: Meaning, fundamentals, principles, strength and weaknesses, types and limitations

Unit III: Collection of Data and Generalizations

Need for data collection, Data: Meaning, nature, types - Data collection: Ethical considerations - Precautions in data collection - Organization of data - Need of research generalizations - Generalization: Meaning, definition, types, level, applications - precautions in formulation of generalization

Unit IV: Writing Research Report

Need of research report - Characteristics of a good research report - Preliminaries: Title page, declaration, certificate, acknowledgement, table of content, list of tables, list of figures - Text: Introduction, review of related literature, design of the study, data analysis, findings, interpretation, discussion - Format: APA and MLA - Reference Section: Bibliography/Reference, appendix, pagination - Language: Style of writing, footnote, citations and quotations - Evaluation of a research report - Writing research abstract and research papers

Unit V: Educational Research in India and Modern Trends

Growth and trend of educational research in India - Problems and suggestions for improvement - quality control of educational research - Funding agencies: UGC, DST, DBT, ICSSR, NCERT - Modern trends: E-research - Internet based research - Web based research tools - Social networking tools and semantic web in educational research

References

1. Aggarwal, Y.P. (1998). *The Science of Educational Research- A Course Book*. Kurushetra: Nirmal Book Agency.
2. Best John, W. (1974). *Research in Education*. New Delhi: Prentice-Hall of India.
3. Bogdan Robert, C. (2011). *Qualitative Research for Education*. New Delhi: Prentice Hall of India.
4. Boudah Daniel, J.(2012). *Conducting Educational Research*. New Delhi: Sage Publications.
5. Dwyer, L M. (2014). *Quantitative Research for the Qualitative Researcher*. New Delhi: Sage Publications.
6. Fowler, F J. (2014). *Survey Research Methods*. New Delhi: Sage Publications.
7. Guthrie Gerard. (2014). *Basic Research Methods*. New Delhi: Sage Publications.
8. Kothari, C.R. (1998). *Research Methodology*. New Delhi: Wiley.

9. Kumar Ranjit. (2011). *Research Methodology*. New Delhi: Sage Publications.
10. Kultar Singh. (2014). *Quantitative Social Research Methods*. New Delhi: Sage Publications.
11. Lichtman Marilyn. (2012). *Understanding and Evaluating Qualitative Educational Research*. New Delhi: Sage Publications.
12. Lokesh Koul. (1995). *Methodology of Educational Research*. New Delhi: Vikas Publishing House.
13. Meyers Lawrence, S. (2006). *Applied Multivariate Research*. New Delhi: Sage Publications.
14. Pamela Maykut & Richard Morehouse. (1994). *Beginning Qualitative Research: A Philosophic and Practical Guide*. Washington D.C.: The Falmer Press.
15. Patton, M.Q. (2002). *Qualitative Research and Evaluation Methods*. Thousand Oaks: CA: Sage Publications.
16. Radha Mohan. (2011). *Research Methods in Education*. Hyderabad: Neelkamal Publications.
17. Ranjit Kumar. (2014). *Research Methodology*. New Delhi: Sage Publications.
18. Ritchie Jane. (2014). *Qualitative Research Practice*. New Delhi: Sage Publications.
19. Saxena, N.R., Mishra, B.K. & Mohanthy, R.K. (2009). *Fundamentals of Educational Research*. Meerut: R.Lall Book Depot.
20. Saxena, N.R. (2006). *Fundamentals of Educational Research*. Meerut: R.Lall Book Depot.
21. Sharma & Bharti. (2004). *Methodology of Educational Research*. New Delhi: Vohra Publishers and Distributors.
22. Sharma, R.A. (2013). *Educational Research*. Meerut: R.Lall Book Depot.
23. Sharma, S.R. (2003). *Problems of Educational Research*. New Delhi: Anmol Publications.

24. Stake & Robert, E. (1995). *The Art of Case Study Research*. Thousand Oaks: C.A.: Sage Publications.
25. Sukhia, S.P. (1974). *Elements of Educational Research*. New Delhi: Allied Publications.
26. Torrance Harry. (2012). *Qualitative Research Methods in Education*. New Delhi: Sage Publications.
27. Travers & Robert, M.W. (1978). *An Introduction to Educational research (4th Edition)*. London: MacMillan.
28. Van Dalen, Debonald, B. & Meyer, William, J. (1979). *Understanding Educational Research: An Introduction*. New York: McGraw Hill.

Paper VI: Educational Statistics

M.Ed. : Sem. II

Sub. Code : MPEST

Objectives:

The student

1. acquires knowledge of fundamental statistical concepts.
2. understands the skills of computation of central tendencies, variations and correlations.
3. develops the skill of drawing statistical graphs.
4. realizes the skill of doing correlations and its applications.
5. applies 't' test, ANOVA and chi-square to test hypothesis.

Unit I: Introduction to Educational Statistics

Meaning, importance and role of statistics for researchers - Scales of measurement: Nominal, ordinal, interval and ratio - Organisation of data - Frequency distribution - Graphical representation of data: Histogram, frequency polygon, frequency curve and cumulative frequency curve - Uses of graphs

Unit II: Measures of Central Tendency and Variability

Measures of central tendency: Mean, median and mode - Calculation and uses: Measures of dispersion: Range, quartile deviation and standard deviation: Calculation and uses - Co-efficient of variation: Calculation and uses - Percentiles - Standard scores - T-scores: Calculation and uses

Unit III: Normal Probability

Normal probability curve: Properties and uses - Applications of normal probability curve - Skewness and kurtosis - Confidential limits - Estimation of population mean

Unit IV: Correlation and Regression

Correlation: Meaning, types and uses - Rank correlation, product moment correlation, partial correlation, multiple correlation and regression equations: Calculations and uses - Factor analysis (Theoretical Steps)

Unit V: Testing of Hypothesis

Parametric tests: 't'-test, one way ANOVA and post hoc tests:
Calculations and applications - Non-parametric test: Chi-square -
Computers in data analysis - Steps involved in SPSS

References

1. Aggarwal, Y.P. (1988). *Statistical Methods - Concepts, Application and Computation*. New Delhi: Sterling.
2. Aggarwal, Y P. (2015). *Statistical Methods*. New Delhi: Sterling Publishers.
3. Best, John, W. & Kahn, James, V. (1992). *Research in Education*. New Delhi: Prentice-Hall of India.
4. Bhandarkar, K.M. (2011). *Statistics in Education*. Hyderabad: Neelkamal Publications.
5. Bradler, James V. (1968). *Distribution - free Statistical Tests*. New Delhi: Prentice-Hall of India.
6. Collier Jacqueline. (2010). *Using SPSS Syntax*. New Delhi: Sage Publications.
7. Cunningham, J B. (2012). *Using SPSS*. New Delhi: Sage Publications.
8. Fisher Ronald, A.(2006). *Statistical Methods for Research Workers*. New Delhi: Cosmo Publications.
9. Garrett, Hentry, E. (1973). *Statistics in Psychology and Education*. Bombay: Vakils, Feffer and simon.
10. Glass, Gene, V. & Julian C. Stanley. (1970). *Statistical Methods in Education and Psychology*. New Delhi: Prentice-Hall of India.
11. Guilford, J.P. & Benjamin Fruchtes. (1973). *Fundamental Statistics in Psychology and Education (5th Edition)*. New York: TMH.
12. Henry Garrett, E. (2014). *Statistics in Psychology and Education*. New Delhi: Surjeet Publications.
13. Mangal, S.K. (2012). *Statistics in Psychology and Education*. New Delhi: Prentice-Hall of India.

14. Manoharan, M. (2004). *Statistical Methods*. Palani: Palani Paramount Publications.
15. Miles, M B. (2014). *Qualitative Data Analysis*. New Delhi: Sage Publications.
16. Pillai, R.S.N. (2003). *Practical Statistics*. New Delhi: S. Chand & Co.
17. Rajagopalan, V. (2006). *Selected Statistical Tests*. New Delhi: New Age.
18. Salkind Neil, J. (2013). *Statistics for People Who Hate Statistics*. New Delhi: Sage Publications.
19. Sharma, R.N. (2011). *Statistical Techniques in Educational Research*. Meerut: Surjeet Publications.
20. Suresh Sachdeva. (2008). *Quantitative Techniques*. New Delhi: Lakshmi Narain Publications.

Paper VII: Early Childhood Care and Education

M.Ed. : Sem. II

Sub. Code : MSEC

Objectives:

The student

1. knows the importance of Early Childhood Care and Education (ECCE).
2. understands the child's right.
3. acquires knowledge about the child development.
4. gains knowledge about different institutions for ECCE.
5. familiarizes various approaches and activities in ECCE centers.

Unit I: Introduction to Early Childhood Education

Early childhood: Meaning and importance - Early childhood education: Meaning, Definition, Scope, Need and Importance - Goals: Developmental and Educational-Objectives: Related to Cognitive, Affective, Psychomotor and Content- - History of early childhood care and education in India: Pre-independence and post-independence

Unit II: Child's Right and Legislations of Children

Child Rights: Right to Health, Nutrition and Education - UN convention on the rights of the child (1989) - National policy on children (1974) - The Juvenile Justice Act (1986) - Child Marriage Restraint Act (1929) - Prevention of Immoral Traffic Act (1986), The Child Labour (Prohibition and Regulation) Act (1986) - Hindus Adoption and Maintenance Act (1956)

Unit III: Development of Child

Child development: Meaning, principles and importance - Stages of child development: Infancy and Early Childhood - Physical, Cognitive, Social, Emotional and Language Development: Meaning, Significance, Factors affecting and Educational programmes

Unit IV: Organizations and Management of ECCE Centres

Day-care centers - Crèches- Mobile crèches- Anganwadis and

Balwadis-ECCE programs: Planning :Meaning, Objectives and Principles – Management: Definitions, Goals, Principles and techniques-Setting up and running the centre: Physical facilities, locality and building, furniture and equipment, organizing indoor and outdoor spaces- Supervisor, teacher/day-care worker, supportive staff / helpers, administrative personnel

Unit V: Approaches and Activities at ECCE Centre

Approaches: Montessori, Interactional, Project, Behavioral and Drill – Activities: General Activities, Outdoor Activities, Indoor Activities, Specific Activities, Classroom Activities, Activities in Health Education, Safety and Health Care Activities, Art Activities and Musical Activities

References

1. Berk, L. (2006). *Child Development*. New York: Allyn & Bacon.
2. Bowman, B.T., Donovan, S. & Burns, S, M. (Ed.). (2001). *Eager to Learn: Educating our Preschoolers*. United States: National Academies Press.
3. Clark, M.M. (2007). *Early Childhood Education and Care*. New Delhi: Sage Publications.
4. Feeney Stephanie. (2013). *Continuing Issues in Early Childhood Education*. New Delhi: Prentice Hall of India.
5. Hardamn, M.I., Drew, C.J. & Egan, M.W. (2005). *Human Exceptionality: Society, School and Family*. Boston: Allyn and Bacon.
6. Love, J., et al. (2003). Child Care Quality Matters: How Conclusions May Vary with Context. *Child Development*, 74(4), pp. 1021-1033.
7. Myers, R. G. (1992). *The Twelve Who Survive: Strengthening Programmes of Early Childhood Development in the Third World*. London: Routledge.
8. Myers, R. G. (2004). *In Search of Quality in Programmes of Early Childhood Care and Education (ECCE)*. A paper prepared for the 2005 EFA Global Monitoring Report.

9. NCERT. (2009). *Trainer's Handbook in Early Childhood Care and Education*. New Delhi: NCERT.
10. Panda, K C., Tripathi. (2016). *Encyclopedia of Early Childhood Care and Education (3 Volume Set)*. Hyderabad: Neelkamal Publications.
11. Roopnarine Jaipaul, L. (2011). *Approaches to Early Childhood Education*. New Delhi: Prentice Hall of India.
12. Santrock. (2006). *Child Development*. New York: McGraw-Hill.
13. Sen Gupta, M. (2013). *Early Childhood Care and Education*. New Delhi: Prentice Hall of India.
14. Shukla, R.P. (2004). *Early Childhood Care and Education*. Sarup & Sons.
15. Smith, M. S. & Lytle, S. (1999). Relationships of Knowledge and Practice: Teacher Learning in Communities. *Review of Research in Education*, 24 pp. 249-305.

Paper VII: Education for Special Children

M.Ed. : Sem. II

Sub. Code : MSES

Objectives:

The student

1. understands the concept of special education.
2. gains knowledge on policy and legislative provisions for special education.
3. comprehends the different types of disabilities.
4. knows about rehabilitation services.
5. analyses the present status and future of special education.

Unit I: Concept of Special Education

Concept of exceptionality and special education - Positive, negative and multiple deviations - Needs and problems of exceptional Children - Need and scope of special education - Historical development of special education - Philosophy of special education - Sociological perspectives of special education

Unit II: Nature and needs of various Disabilities

Concept of impairment, disability and handicap - Vision, Hearing, Mental, Learning disability, Multiple disabilities: Definition, identification and characteristics - Leprosy cured, Neurological and loco motor disabilities: Definition, identification and characteristics - Autism spectrum disorders: Definition, identification and characteristics

Unit III: Policy and Legislative Provisions for Special Education

NPE - 1986, POA - 1992, RCI Act - 1992, PWD Act - 1995 - National Trust for Welfare of Persons with Autism, Cerebral Palsy, Mental Retardation and Multiple Disabilities Act, 1999 - National Policy for Persons with Disabilities - 2006 - International Legislation for Special Education - UN-ESCAP, UNCRPP - Sarva Shiksha Abhiyan (SSA) and Rashtriya Madhyamik Shiksha Abhiyan (RMSA) - Right to Education Act, 2009

Unit IV: Rehabilitation Services

Meaning, definition and types of rehabilitation - Types of

rehabilitation programmes - Institution based rehabilitation and community based rehabilitation - Role of family and community in the rehabilitation process - Appropriate vocational counseling and training, different techniques in counseling

Unit V: Current Trends and Future Perspectives in Special Education

Early identification and intervention - Individualized instruction - Advocacy - Collaboration - Attitudes and awareness - Normalization - Deinstitutionalization - Integration - Mainstreaming - Inclusion - Models of integration and inclusive education - Schemes and facilities to achieve normalization - Open distance learning system

References

1. Armstrong Ann Cheryl. (2010). *Inclusive Education*. New Delhi: Sage Publications.
2. Emmelkamp, P.M.G. (2015). *Personality Disorders*. New Delhi: Routledge Publications.
3. Evans, P. & Verma, V. (1990). *Special Education: Past, Present, and Future*. London: The Falmer Press.
4. Farrell, M. (2003). *Understanding Special Educational Needs*. London: Routledge.
5. Farrell Michael. (2014). *Educating Special Children*. New Delhi: Routledge Publications.
6. Friel, J. (1997). *Children with Special Needs*. London: Jessica Kingsley Publication.
7. Gearhart, B. R., De Rhiter, J. A. & Sileo, T. W. (1986). *Teaching Mildly and Moderately Handicapped Students*. Englewood Cliffs, NJ: Prentice Hall.
8. Hallahan, D. & Kauffman, J. M. (1991). *Exceptional Children: Introduction to Special Education*. Englewood, NJ: Prentice Hall.
9. Hardman, M. L., Drew, C. J., & Egan, M. W. (1999). *Human Exceptionality: Society, School and Family*. Boston: Allyn Bacon.

10. Hegarty, S. & Alur, M. (Eds.) (2002). *Education and Children with Special Needs: From Segregation to Inclusion*. New Delhi: Sage Publications.
11. Hewett, F. M. & Forness, S. R. (1984). *Education of Exceptional Learners*. Massachusetts: Allyn and Bacon.
12. Kendall. (2015). *Childhood Disorders*. New Delhi: Routledge Publications.
13. Mangal, S K. (2012). *Educational Exceptional Children*. New Delhi: Prentice Hall of India.
14. Manivannan, M. (2013). *Perspectives in Special Education*. Hyderabad: Neelkamal Publications.
15. MHRD. (1992). *Programme of Action*: New Delhi: MHRD.
16. Namita Mohanty. (2013). *Psychological Disorders*. Hyderabad: Neelkamal Publications.
17. Rose Richard. (2007). *The Practical Guide to Special Educational Needs in Inclusive Primary Classrooms*. New Delhi: Sage Publications.
18. Talbot Pat. (2010). *Learning Disabilities*. New Delhi: Sage Publications.
19. Werts Margaret, G., Culatta Richard, A. (2011). *Fundamentals of Special Education*. New Delhi: Prentice Hall of India.

Paper VIII: Inclusive Education

M.Ed. : Sem. II

Sub. Code : MSIE

Objectives:

The student

1. understands the need of inclusive education at present.
2. comprehends the historical development of inclusive education.
3. familiarizes with innovative practices in inclusive settings.
4. promotes positive attitude towards inclusive education.
5. learns to organize an inclusive classroom.

Unit I: Introduction to Inclusive Education

Inclusive education: Definition, concept and importance - Disability: Definition, concept and importance - Facing disability - Plan realistically - Difference among inclusive education: Special education and integrated education - Inclusion of children with diverse abilities in regular schools - Benefits of inclusion

Unit II: Recommendations of Education Commissions/Committees

Establishment of National Institutes and their Regional Centers – Project Integrated Education for Disabled Children (PIED, 1987) – District Primary Education Programme (DPEP) - The Mental Health Act 1987 - Rehabilitation Council of India Act, 1992 - The Persons with Disabilities Act (Equal opportunities, Protection of rights and full participation, 1995) – The National Trust for the Welfare of Persons with Autism, Cerebral Palsy, Mental Retardation and Multiple Disabilities Act, 1999 - Sarva Shiksha Abhiyan – Initiatives for the gifted and talented children - National Curriculum Framework, 2005

Unit III: Innovative Practices in Inclusive Settings

Peer tutoring – Co-operative learning - Team teaching - Curriculum adaptation: Identification, Types and Modification of Environment - Identification, assessment and intervention of exceptional Children by: Records, Profiles, Intelligent and Achievement

tests –Individualized Programme Plan (IPP) - Assistive technology and its uses

Unit IV: Promoting Positive Behaviour

Challenging behavior: Meaning, response and sources - Violence and touching - Class meetings - Developing Social competencies: Friendships and social skills - Reflection: practices, diaries and reflective teaching

Unit V: Organizing the Inclusive Classroom

Physical layout of an inclusive classroom - Plans for substitute teachers - Meeting student's personal care and medication requirements - Collaborating with: Parents, para-professionals and other professionals in the inclusive campus and classroom

References

1. Ahuja, A. & Jangira, N.K. (2002). *Effective Teacher Training: Cooperative Learning Based Approach*. New Delhi: National Publishing House.
2. Ainscow, M. & Booth, T. (2003). *The Index for Inclusion: Developing Learning and Participation in Schools*. Bristol: Center for Studies in Inclusive Education.
3. Armstron Ann Cheryl. (2010). *Inclusive Education*. New Delhi: Sage Publications.
4. Clough Peter. (2000). *Theories of Inclusive Education*. New Delhi: Sage Publications.
5. Jagannath Mohanthy & Susandhya Mohanthy. (2011). *Inclusive Education: Its Evolution Growth*. New Delhi: Deep & Deep Publications.
6. Jangira, N.K. & Mani, M.N.G. (1990). *Integrated Education for Visually Handicapped*. Gurgaon: Academic Press.
7. Jha, M. (2002). *Inclusive Education for All: Schools without Walls*. Chennai: Heinemann Educational Publishers.
8. Loreman Tim., Deppler Joanne and Harvey David. (2005). *Inclusive Education*. New Delhi: Routledge Publications.

9. Mangal, S K. (2012). *Educational Exceptional Children*. New Delhi: Prentice Hall of India.
10. Minton Stephen James. (2012). *Using Psychology in the Classroom*. New Delhi: Sage Publications.
11. Neena Dash. (2006). *Inclusive Education*. New Delhi: Atlantic Publishers and Distributors.
12. Rao Digumarti Bhakar. (2013). *Inclusive Education and Policy Frameworks*. New Delhi: Discovery Publications.
13. Rose Richard. (2007). *The Practical Guide to Special Educational Needs in Inclusive Primary Classrooms*. New Delhi: Sage Publications.
14. Sharma, P.L. (1990). *Teachers Handbook on IED - Helping Children with Special Needs*. New Delhi: NCERT Publication.
15. Sharma, P.L. (2003). *Planning Inclusive Education in Small Schools*. Mysore: Regional Institute of Education.
16. Tim Loreman, Joanne Deppekr & David Harvey. (2005). *Inclusive Education*. London: Rontledge Falmer Taylor & Francis Group.

Paper VIII: Education for Gender Sensitization

M.Ed. : Sem. II

Sub. Code : MSEG

Objectives:

The student

1. acquires knowledge about gender discrimination.
2. analyses the issues and problems related to women in India.
3. understands the constitutional rights of women in India.
4. comprehends the role of women in nation building.
5. gets acquainted with the concept gender sensitization.

Unit I: Socialization and Women

Gender concepts - Socialization: Meaning, definition and stages
- Agencies of socialization - Social construction of gender - Sex and gender, gender discrimination, gender stereotyping, gender roles and gender needs - practical and strategic - Women and social institutions: Family meaning and definition; ethos of joint, nuclear - Patriarchal and matriarchal families

Unit II: Women in India: Issues and Problems

Issues related to female children: Female foeticide, female infanticide and child marriage - Issues related to women: Dowry, issueless women, divorce, widowhood, female commercial sex workers, domestic violence, problems of elderly and single women - Issues related to marginalized women: Problems of dalit and tribal women; devadasis - Discrimination and exploitation in the name of tradition - Problems of women prisoners, women living with HIV/ AIDS and women who are physically and mentally challenged

Unit III: Women's Rights in India

Women's rights: Meaning, concept and universal declaration of human rights - Enforcement of human rights for women and children - Understanding human rights in Indian context - UN conventions - Universal debate on human rights for women - Constitutional rights of women

Unit IV: Women's Role in Nation - Building

Women in commercial poultry - Rural women and poverty

alleviation - Role of women in forestry - Women's participation in farm and home activities - Problems in enterprise set-up and management - Promoting entrepreneurship amongst rural women

Unit V: Gender Sensitization

Gender inequality and its impact on men and women - Understanding the notion of citizenship - Nature of gender inequalities - Transgender: Characteristics and challenges - Access to and control over resources and positions of power - Understanding sexual harassment as gender based violence: Nature, victims, causes and impact of gender-based violence - Violence by men against women: Impact of violence - Contributing to prevention of sexual harassment: What is and is not sexual harassment - Provisions in the act of 2013 about prevention of sexual harassment - Role of men in prevention of sexual harassment at workplace - Gender sensitive language, work culture and workplace

References

1. Bhasin & Kamla. (1993). *Gender Basics, What is Patriarchy?*. New Delhi: Women Unlimited.
2. Bhasin & Kamla. (2004). *Gender Basics, Exploring Masculinity*. New Delhi: Women Unlimited.
3. Bhasin, Kamla & Khan S. Nighat. (1999). *Gender Basics, Feminism and its Relevance in South Asia*. New Delhi: Women Unlimited.
4. Brod, Harry & Kaufman, Michael. (1994). *Theorizing Masculinities*. Thousand Oaks: Sage Publications.
5. Cole Mike. (2014). *Education, Equality and Human Rights*. New Delhi: Routledge Publications.
6. Connell & Robert, W. (2005). *Masculinities*. Cambridge: Polity Press.
7. Jaysing & Indira. (2004). *Law Relating to Sexual Harassment at the Workplace*. New Delhi: Universal Law Publishing Company.

8. Kakuru Doris Muhezi. (2006). *Combat for Gender Equality in Education*. New Delhi: Routledge Publications.
9. Kumar, A. (2006). *Indian Women, Institute of Sustainable Development*. Lucknow: Anmol Publishing House.
10. Laxmi Devi. (1998). *Women's Participation in the Workforce*. Lucknow: Anmol Publishing House.
11. Maria John, S., Jeyabalan, R. & Krishnamurthy, S. (2004). *Rural Women*. New Delhi: Discovery Publishing House.
12. Minakshi. (2006). *Empowering Rural Women*. New Delhi: Anmol Publishers.
13. Neeraja, K.P. (2003). *Rural Women*. New Delhi: Discovery Publishing House.
14. Pradhan, S. P. & Tripathy, S.N. (2003). *Girl Child in India*. New Delhi: Discovery Publishing House.
15. Rao, V.M. (2004). *Empowering Rural Women*. New Delhi: Anmol Publishers.
16. Sharma, S.P. (2006). *Rural Development and Panchayati Raj*. New Delhi: Discovery Publishing House.
17. Singh, B.N. (2006). *Rural Development and Women*. New Delhi: Vista International Publishing House.
18. The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.
19. UGC. (December 2013). *SAKSHAM: Measures for Ensuring the Safety of Women and Programmes for Gender Sensitization on Campuses*. New Delhi: UGC.
20. Vishaka guidelines. (1997). *Supreme Court Guidelines for Preventing Sexual Harassment at the Workplace*.
21. Yadav, C. P. (2000). *Empowerment of Women*. Lucknow: Anmol Publication.

SEMESTER III

Paper IX: Educational Technology

M.Ed. : Sem. III

Sub. Code : MPET

Objectives:

The student

1. acquires the knowledge of meaning, scope and types of educational technology.
2. recognizes the strategies and techniques of teaching.
3. attains the knowledge of the instructional designs and models of teaching.
4. comprehends the mass media approach.
5. appreciates the use of computers in education.

Unit I: The Concept of Educational Technology

Educational technology: Meaning, evolution and development of educational technology, differences between modern educational technology approach and traditional educational technology approach - Micro and macro objectives of educational technology, technology of teaching and challenges of the modern times - Benefits of educational technology

Unit II: Strategies and Techniques of Teaching

ICT and its role in higher education - E-learning: Definitions, characteristics, components and Role of e-learning - Web-based Teaching (WBT), Web-based Learning (WBL) and its educational benefits - Virtual university and virtual classrooms - Blended learning in education and teacher's role - Flipped classroom - Cloud computing - Learning without limits for creating an innovative society - E-content Development

Unit III: Instructional Designs and Models of Teaching

Instructional designs: Definitions - Forms of instructional designs: Training psychology, cybernetic psychology: Meaning, output and advantages - System analysis: Meaning, procedure, evaluation - System approach: Components, steps in Instructional system - Models of teaching: Definition, characteristics, roles,

elements, types: Advance organizer model, inquiry training model, Integrated Pedagogical Paradigm (IPP), Jurisprudential model and Skinner's contingency management model

Unit IV: Mass Media Approach

Multimedia: Concept and characteristics - Developing multimedia package - Telecommunication in education: Audio and video conferencing, audio graphs, computer conferencing, teleconferencing, tele teach, tele seminar, tele tutoring and hyper media

Unit V: Educational Technology in Distance Education

Distance education: Meaning, scope and characteristics - Educational technology in distance education, mobile learning, video conferencing, EDUSAT - Virtual reality - Virtual tutoring - Intelligent Tutoring System (ITS) - MOOCs: Coursera - OER: NROER

References

1. Agarwal, J. C. (2014). *Essentials of Educational Technology*. New Delhi: Vikas Publications.
2. Bhatt, D P. (2016). *Educational Technology and Management*. Hyderabad: Neelkamal Publications.
3. Dass, B.C. (2005). *Educational Technology*. New Delhi: Sterling Publishers.
4. Mangal, S.K. (2002). *Educational Technology*. Ludhiana: Tandon Publications.
5. Mangal, S.K. (2014). *Essentials of Educational Technology*. New Delhi: Prentice Hall of India.
6. Rawat, S.C. (2005). *Essentials of Educational Technology*. Meerut: R.Lall Book Depot.
7. Sampath, K., Panneer Selvam, A. & Santhanam, S. (1985). *Introduction to Educational Technology*. New Delhi: Sterling Publishers.
8. Sharma, R.A. (2005). *Essentials of Educational Technology and Management*. Meerut: R.Lall Book Depot.

9. Siva Kumar, P. (2001). *Information Processing Models of Teaching - Theory and Research*. Hyderabad: Neelkamal Publications.
10. Vanaja, M., Rajasekar, S., Arulsamy, S. (2015). *Information and Communication Technology in Education*. Hyderabad: Neelkamal Publications.

Paper X: Guidance and Counselling

M.Ed. : Sem. III

Sub. Code : MPGC

Objectives:

The student

1. acquires the knowledge of guidance and counselling.
2. understands the objectives of guidance and counselling.
3. develops skills for an effective counsellor.
4. realizes the need and the scope of guidance and counselling.
5. gains knowledge about educational, personal and vocational guidance.

Unit I: Concept of Guidance and Counselling

Guidance and counselling: Definition, need, scope, aims, nature, principles and areas of guidance - Objectives of guidance and counselling for different stages: Childhood, adolescents and adult - Characteristics of good guidance and counselling - Guidance and counselling - Differences

Unit II: Approaches to Counselling

Directive or Counsellor Centered, Non-Directive or Client - Centered, Eclectic Counselling: Basic Assumptions, Characteristics, Advantages and Disadvantages - Bases for different counselling approach: Rational Emotive Behaviour Therapy, Psycho-Analysis - Counsellor: Functions, Qualifications, Training of a Counsellor - Family Counselling

Unit III: Types of Guidance

Educational guidance: Meaning, need, objectives, characteristics - Stage wise educational guidance: Primary, secondary and higher stages- objectives - Problems and challenges and alternatives / solutions - Techniques of educational guidance

Personal guidance: Meaning, nature, objectives - Personal guidance for primary, secondary and higher secondary levels - Its objectives - Types of emotional problems - Strategies of personal guidance - Information gathering: Parents, siblings, friends and observations - Tools of investigation: Projective and non-

projective techniques: Situational test, free association techniques, guess who techniques

Vocational guidance: Meaning, definitions, characteristics and objectives - Vocational guidance for secondary and higher secondary - Problems in vocational guidance

Unit IV: Guidance for Special Children

Characteristics, problems and needs: Slow learners, gifted, socially disadvantaged children, emotionally disturbed and first generation learners - Role of the teacher in helping these children with special needs

Unit V: Organization of Guidance and Counselling Centre

Guidance centre: Objectives, functions, resources, operational framework, contact with national and state level guidance centres - Role of headmaster and staff - Role of school counsellor - Activities at primary, secondary and higher secondary stage - Career conference, career talk - functions of career master

Testing in guidance and counselling service: Use of tests in guidance and counselling - Test of intelligence: Aptitude, creativity, interest, personality - Psychology of adjustment - Mental health and hygiene, EQ and SQ: Implication on effective adjustment and development of integrated personality

REFERENCES

1. Alam Shah. (2008). *Basics of Guidance and Counselling*. New Delhi: Global vision.
2. Barki, B.G. (2006). *Guidance and Counselling A Manual*. New Delhi: Sterling Publishers.
3. Bor Bobert. (2009). *A Beginner's Guide to Training in Counselling & Psychotherapy*. New Delhi: Sage Publications.
4. Chauhan Ramsehsingh, M. (2007). *Testing in Guidance and Counselling*. New Delhi: Sumit.
5. Currie Joe. (1976). *The Barefoot Counsellor*. Bangalore: Asian Trading Corp.
6. Dhandapani, S. (2004). *Text book of Advanced Educational Psychology*. New Delhi: Anand Publications.

7. Dryden Windy. (2005). *Rational Emotive Behavioural Counselling in Action*. New Delhi: Sage Publications.
8. Gibson Robert, L. & Mitchell Marianne, H. (2008). *Introduction to Counselling and Guidance*. New Delhi: Prentice Hall of India.
9. Hardee Melvene Draheim. (1955). *Counseling and Guidance in General Education*. New Delhi: World Book Company.
10. Kaul, G. N. (1971). *Foundations of Counselling and Guidance*. New Delhi: Sterling Publishers.
11. Kochar, S.K. (1989). *Guidance and Counselling*. New Delhi: Sterling Publishers.
12. Lister - Ford. (2002). *Skills in Transactional Analysis Counselling and Psychotherapy*. New Delhi: Sage Publications.
13. Madhukar Indira. (2000). *Guidance and Counselling*. New Delhi: Authors Press.
14. Mcleod John. (1976). *An Introduction to Counselling*. New Delhi: Rawat.
15. Meenakshi Sundaram, A. (2008). *Guidance and Counselling*. Dindigul: Kavyamala.
16. Mishra, R.C. (2004). *Guidance and Counselling Vol I*. New Delhi: APH Publishers.
17. Mishra, R.C. (2004). *Guidance and Counselling Vol II*. New Delhi: APH Publishers.
18. Nandra Mandeep. (2008). *Educational Guidance and Counselling*. New Delhi: Tandon Publishers.
19. Narayana, Rao. S. (2007). *Guidance and Counselling*. New Delhi: Tata McGraw Hill.
20. Patterson, C. H. (1966). *Theories of Counselling and Psychotherapy*. New York: Harper and Row.
21. Qureshi Hasnain. (1971). *Educational Guidance*. New Delhi: Anmol Publications.
22. Qureshi Hasnain. (2000). *Educational Guidance*. New Delhi: Anmol Publications.

23. Sharma Ram Nath. (2007). *Guidance and Counselling*. New Delhi: Surjeet Publications.
24. Sharma, R.A. (2003). *Fundamentals of Guidance and Counselling*. Meerut: R. Lall Book Depot.
25. Siddiqui Mujibal Hasan. (1955). *Guidance and Counselling*. New Delhi: APH Publishers.
26. Sundaram, G. (2007). *Principles and Practice of Guidance and Counselling*. Chennai: Aavishkar.
27. Veliappan, A. (1966). *Guidance and Counselling*. Tirunelveli: A.V. Parvathi.
28. Windy Dryden. (2009). *Skills in Rational Emotive Behaviour*. New Delhi: Sage Publications.

Paper XI: Teacher Education at 21st Century

M.Ed. : Sem. III

Sub. Code : MPTE

Objectives:

The student

1. understands the fundamentals of teacher education in India.
2. gets awareness of the agencies of teacher education and their roles.
3. distinguishes the methods and approaches in teacher education.
4. attains the qualities and ethics of a teacher.
5. acquires knowledge of the problems of teacher education.

Unit I: Teacher Education in the Emerging Society

Teacher education in the emerging society: Historical perspective - Recommendations of commissions on teacher education: Kothari Commission and National Policy on Education - Aims and objectives of teacher education: Elementary, secondary, higher secondary and tertiary level

Unit II: Teacher Education and Agencies

Types of teacher education programmes and agencies - Pre-service teacher education - Distance education and teacher education - In-service teacher education - Orientation and refresher courses - Role and functions of MHRD, UGC, HRDC, NCERT, NAAC, NCTE, NUEPA, SCERT, TANSCH, RIE and TNTEU

Unit III: Teacher Education Curriculum

Teacher education curriculum - National Curriculum Framework for Teacher Education 2009 - Critical analysis of teacher education syllabus at different levels - Innovative practices in teacher education: Micro teaching - Simulated teaching - Team teaching - Group methods - Individualized instruction: Definition, nature, characteristics, advantages and limitations - Recent trends in curriculum: E-content and on-line question bank system

Unit IV: Teaching as a Profession

Teaching as a profession - Qualities, duties and responsibilities of a teacher - Characteristics of an effective teacher - Competency based teacher education - Professional ethics - Performance appraisal of teachers: By self, administrators, colleagues and students - Technology and teachers

Unit V: Problems in Teacher Education

Problems in teacher education: Liberalization - Privatization - Globalization - Commercialization of teacher education - Problems in admission - Curriculum and evaluation

References

1. Aggarwal, J C. (2014). *Teacher and Education in Developing Society*. New Delhi: Vikas Publishing House.
2. Arulsamy, S. (2011). *Teaching Skills and Strategies*. Hyderabad: Neelkamal Publications.
3. Dash, B.N. (2002). *Teacher and Education in the Emerging Indian Society*. Hyderabad: Neelkamal Publishers.
4. Krishnama Charyulu, V. (2008). *To be sure teaching*. Hyderabad: Neelkamal Publications.
5. Mohanty, J. (2013). *Dynamics of Teacher Education*. Hyderabad: Neelkamal Publications.
6. Panch & Ramalingam. (2004). *Psychological Approach to Teacher Education*. Chennai: Inland Books.
7. Ramnath Krishnan. (2007). *Global Trends in Teacher Education*. New Delhi: APH Publishing House.
8. Rao, V.K. (2008). *Teacher Education*. New Delhi: APH Publishing Corporation.
9. Saxena, N R., Mishra, B K. & Mohanty, R K. (2014). *Teacher Education*. Meerut: R.Lall Book Depot.
10. Sharma, R A. (2012). *Teacher Education and Pedagogical Training*. Meerut: R.Lall Book Depot.
11. Shashi Prabha Sharma. (2004). *Teacher Education -*

Principles, Theories and Practices. New Delhi: Kanishka Publishers, Distributors.

12. Singh, U.K. & Sudarshan. (2004). *Teacher Education.* New Delhi: Discovery Publishing House.
13. Swaroof Saxena, N.R. & Aarti Shashi Dargam. (2008). *Teacher and Society.* Meerut: R. Lall Book Depot.
14. Yokesh Kumar Singh. (2007). *Teacher Education.* New Delhi: APH Publishing Corporation.

SEMESTER IV

Paper XII: School Management

M.Ed. : Sem. IV

Sub. Code : MSSM

Objectives:

The student

1. understands the concept of school management.
2. acquires knowledge about various management approaches.
3. develops the skill of maintaining school plant.
4. masters the methods of managing human resources.
5. appreciates the different techniques of classroom management.

Unit I: School Management

Management: Meaning, Definition, characteristics and functions (POSDCoRB) - School management – Meaning, definition, aims and objectives, characteristics, principles, scope and practical measures- School administration: meaning, definition, aims and objectives - School organization: meaning, definition, aims and objectives - Difference between school administration and school organization

Unit II: Approaches and Managing Committee

Approaches: Manpower, Cost benefit Analysis: unit cost, individual cost and social cost, social demand, social justice and Intra education and extrapolation, demographic projection and system approach- Managing Committee: Meaning and functions- Managing committees of private and government secondary schools

Unit III: School Plant and School Complex

School Plant: Meaning and maintenance of school plant - School buildings: Design and location - Components: School office, library, classroom, blackboard, laboratory, playground and hostel - School records and registers: Need, importance, types and modes of keeping records - Discipline – School-community relationship: Importance, objectives - programmes to develop school-community relations- School complex: Meaning, aims and objectives, functions, advantages and limitations

Unit IV: Management of Human Resources and TQM

Headmaster: Qualification, qualities, duties, responsibilities and relationship with teachers, parents and community - Teachers: Qualification, qualities, duties, responsibilities, diaries, professional ethics and relationship with headmaster, teachers, students and community - Principles of time table construction- Total Quality Management (TQM): Meaning, models, Total quality management based education- rules for managing quality education and total quality management based education

Unit V: Classroom Management and Instructional Management

Components of classroom- Classroom Management: Meaning, Definition, principles, approaches, dimensions, techniques, determinants, teacher's role and evaluation- Instructional management: Meaning, models and problems

References

1. Alka Kalra. (2007). *Efficient School Management and Role of Principals*. New Delhi: APH Publishing Corporation.
2. Arulsamy, S. (2010). *Educational Innovations and Management*. Hyderabad: Neelkamal Publications.
3. Bhatnagar, S.S. & Gupta, P.K. (2013). *Educational management*. Meerut: R. Lall Book Dept.
4. Chandra, S.S. & Chakraborty, A K. (2014). *School Administration Organization Management and Supervision*. Meerut: R.Lall Book Depot.
5. Chaube, S.P. & Chaube, A. (2005). *School Organisation*. New Delhi: Vikash Publishing House.
6. Dash Biranchi Naraya. (2014). *School Organisation Administration and Management*. Hyderabad: Neelkamal Publications.
7. Krishnamacharyulu, V. (2014). *School Management and Systems of Education*. Hyderabad: Neelkamal Publications.
8. Mangal, S K. (2010). *Educational Technology and School Management*. New Delhi: Tandon Publishers.

9. Mohanty Jegannath. (2007). *Educational Management, Supervision, and School Organisation*. Hyderabad: Neelkamal Publications.
10. Rai, B.C. (1989). *School Organization and Management*. Lucknow: Prakash Kendra.
11. Raj Singh. (2007). *School Organization and Administration*. New Delhi: Common Wealth Publishers.
12. Sachdeva, M.S. (2004). *A New Approach to School Management*. Ludhiana: Bharat Book Centre.
13. Safaya & Shaida. (1964). *School Administration and Organisation*. New Delhi: Dhanpatrai Publication.
14. Safaya., Shaida. (2012). *Modern School Administration and Organization*. New Delhi: Dhanpat Rai Publications.
15. Saihdeva, M.S. (2000). *School Organization, Administration and Management*. Ludhiana: Tandon Publication.
16. Sharma, R. A. & Shikha Chaturvedi. (2013). *School Management*. Meerut: R. Lall Book Dept.
17. Sidhu, K.S. (1996). *School Organization and Administration*. New Delhi: Sterling Publishers.
18. Verma, J.P. & Manju Verma. (2007). *School Management*. Meerut: R.Lall Book depot.

Paper XIII: Educational Management and Planning

M.Ed. : Sem. IV

Sub. Code : MSEP

Objectives:

The student

1. understands meaning, nature, scope, functions, principles and approaches of educational management.
2. realizes the processes of educational management.
3. develops an understanding about the management of finance, resources.
4. prepares school or institutional budget.
5. applies the procedures of supervision and inspection.

Unit I: Educational Management Practice in the Present day Context

Concept of Education Management - Models of Education Management - Modern scientific management: Meaning, nature, scope and principles - System approach to **Educational Management** - Research in educational management - Present trends in educational management: X, Y and Z Theory of management; **Organizational Behaviour Management (OBM), Management By Objectives (MBO), Management By Exception (MBE), Management By Results (MBR)**

Unit II: The Process of Management

Planning and Management of Education: Policy for strategies, Priority areas and Implementation Machinery, Training, Research and Orientation. Basic functions of Educational Management: Educational Planning, Organizing, Directing and Controlling - **Functions of Educational Managers**

Unit III: Management of Financing

Nature and scope of educational finance, sources, procurement, budgeting and allocation of funds, maintenance of accounts, sharing and distribution of financial responsibility - Mobilization of local resources - Private and self-financing of educational institutions - cost benefit analysis: Individual, social, institutional and unit cost - **Budgeting: Processes, formulation, types, drawbacks**

Unit IV: Supervision and Inspection in Education

Supervision: Meaning, nature, scope, **significance, principles** - **Limitations** of present supervisory procedures - Evaluation of supervisory effectiveness - Inspection vs supervision - Academic supervision vs administrative supervision - **Auditing in Education** - Evaluation for performance and accountability

Unit V: Controlling and Leadership Styles in Educational Management

Centralization - Decentralization, **PERT**, PPBS, Control and methods of controlling, Control-diameter - Leadership: Meaning and nature, theories of leadership - Leaderships styles - Decision making and crisis management - System evaluation - Programme evaluation and evaluation of functionaries

References

1. Aggarwal, J.C. (2010). *Development and Planning of Modern Education*. New Delhi: Vikas Publishing House.
2. Akhtar Najma. (1998). *Higher Education and University Management*, USA: Allyn - Bacon, Horizon Publisher.
3. Arulsamy, S. (2011). *Educational Innovations and Management*. Hyderabad: Neelkamal Publications.
4. Bhatt, D P. (2016). *Educational Technology and Management*. Hyderabad: Neelkamal Publications.
5. Bush, T. (2003). *Theories of Educational Leadership and Management* (3rd ed.), London: Sage Publishing Ltd.
6. Chandra Sekaran, P. (1994). *Educational Planning and Management*. New Delhi: Sterling Publishers.
7. Dash Biranchi Naraya. (2014). *School Organisation Administration and Management*. Hyderabad: Neelkamal Publications.
8. English Fenwick, W. E. (2009). *Educational Leadership and Administration*. New Delhi: Sage Publications.
9. Everard, K.B., Morris, G., & Wilson, I. (2004). *Effective School Management* (4th ed.), London: Sage Publishing Ltd.

10. Gupta, R.N. (2001). *Principles of Management*. Chennai: S. Chand & Co.
11. Handy, C. & Aitken, R. (1986). *Understanding Schools as Organisations*, London: Pelican.
12. Krishnamacharyulu, V. (2007). *Classroom Dynamics*. Hyderabad: Neelkamal Publications.
13. Lallan Prasad. (1979). *Management Principles and Practice*. Chennai: S. Chand & Co.
14. Manroe Paul. (2002). *Encyclopaedia of Educational Administration*. New Delhi: Cosmoi Publications.
15. Mohanty Jegannath. (2007). *Educational Management Supervision, School Organisation*. Hyderabad: Neelkamal Publications.
16. Moonis Raza. (1986). *Educational Planning: A long term perspective*. New Delhi: Concept Publishing.
17. Moshal, B. (2009). *Principles of Management*. New Delhi: Ane Books Pvt. Ltd.
18. Ricky W. Griffin. (1997). *Management*. New Delhi: AITBS.
19. Sharma, R. (2013). *Economics of Education*. Meerut: R. Lall Book Depot.
20. Yadav, S. K., Sharma, M., & Sharma, S. K. (2018). *Concepts of Education Management*. New Delhi: Ane Books Pvt. Ltd.

Paper XIV: ICT and Instructional System

M.Ed. : Sem. IV

Sub. Code : MSII

Objectives:

The student

1. acquires knowledge about the meaning, nature and scope of ICT in education.
2. gets acquainted with e-learning and development in ICT.
3. understands meaning and nature of instructional system.
4. recognizes and use technology in instructional system.
5. evaluates instructional material or program.

Unit I: Introduction to Computer

Computer: Meaning, definition and structure - Hardware - Input devices: Key Board, Mouse, Scanner, Microphone and Digital Camera - Output devices: Monitor, Printer, Speaker and Screen image projector - Storage devices: Hard Disk, CD and DVD - Mass Storage Device: Pen drive, Micro SD Card and External Hard Disk - Software: Operating System: Concept and function - Educational uses of application software: Word Processors, Presentation, Spread sheet, Database Management, Viruses and its Management - Facilities available for communication: E-mail, chat, online conferencing (Audio-video), e-library, websites, blog, wiki and social networking - - Concept and uses: Internet forum, News groups and search engines - Legal and ethical issues: Copyright, hacking, netiquettes and net-safety

Unit II: Information and Communication Technology in Education

Information and communication technology: Meaning, importance and nature - Need of information and communication technology in education - Scope of ICT in education: Teaching-learning process, publication, evaluation, research and administration - Paradigm shift in education due to ICT: Curriculum, methods of teaching, classroom environment, evaluation procedure and educational management - Challenges in integrating information and communication technology in school education

Unit III: ICT Supported Teaching/Learning Strategies

Computer Assisted Learning (CAL) - Project Based Learning (PBL) - Collaborative Learning - Technology Aided Learning - E-learning - Web Based Learning - Virtual Classroom - EDUSAT

Unit IV: Systems Approach and Instructional Strategies

System: Meaning and Characteristics - Systems approach: Concept, principles and application in education - Distinction between education, instruction and training - Instructional system: Meaning, nature, components, need, importance and uses - Analysis of instructional system - Instruction strategies: Self instruction - Programmed instruction and Computer assisted instruction - Models of instructional system: Mastery learning model - Synectic model and Modified system model

Unit V: Application of Technology and Evaluation of Instructional System

Technology for instruction: Meaning, definition, need and importance - Principles of media selection for instruction - Developing self-instructional material - Developing computer assisted instruction program: Concept and steps - Preparation of instructional design for online learning: Steps and process of validation: Individual testing, group testing, field testing and master validation

References

1. Agarwal Yash. (1998). *District Information System for Education*. New Delhi: User's Manual, National Institute of Educational Planning and Administration.
2. Aggarwal, J.C. (1995). *Essentials of Educational Technology learning - Innovations*. New Delhi: Vikas Publications.
3. Arulsamy, S. *Applications of ICT in Education*. Hyderabad: Neelkamal Publications.
4. Arulsamy, S. *Educational Innovations and Management*. Hyderabad: Neelkamal Publications.
5. Clements & Douglas, H. (1985). *Computers in Early and Primary Education*. New Jersey: Prentice Hall Inc.

6. Jain & Nishi. (2002). *Factors Enhancing Use of Technology in Schools in Perspectives in Education, CASE, Faculty of Education & Psychology*. Vadodara: The M.S. University of Baroda.
7. Kumar, K.L. (2000). *Educational Technology*. New Delhi: New Age Publishers.
8. Merrill, P.F., et al. (1985). *Computers in Education (2nd Edition)*. New York: Allyn and Bacon.
9. Mrunlini, T. & Ramakrishna, A. (2015). *Information and Communication Technology in Education*. Hyderabad: Neelkamal Publications.
10. Peter Norton. (2000). *Introduction to Computers*. New Delhi: TMH.
11. Sampath, K., et al. (1998). *Introduction to Educational Technology (4th Edition)*. New Delhi: Sterling Publishers.
12. Schwatz & Schlitz. (2000). *Office 2000*. New Delhi: BPB Publications.
13. Simmons Carl . (2009). *Teaching ICT*. New Delhi: Sage Publications.
14. Sinha, P.K. (1992). *Computer Fundamentals*. New Delhi: BPB Publications.
15. Underwood, Jean, D.M. & Geoffrey Underwood. (1990). *Computers and learning- Helping children acquire thinking skills*. Oxford: Basil Blackwell.
16. Vanaja, M., Rajasekar, S. & Arulsamy, S. (2015). *Information and Communication Technology in Education*. Hyderabad: Neelkamal Publications.

Paper XV : Higher Education in Globalized Context

M.Ed. : Sem. IV

Sub. Code : MSHG

Objectives:

The student

1. understands the concept of higher education in India.
2. acquires knowledge about role and functions of administrative bodies of higher education.
3. develops readiness to undertake reforms and innovations in higher education
4. comprehends the importance of linking LPG with higher education.
5. decides to enrich the quality of higher education through research.

Unit I: Concept of Higher Education

Higher education: Meaning, definition, objectives of higher education - Development of higher education in India - Demand for higher education - Higher education and social change - Higher education and culture - Quantitative and qualitative higher education - Financing higher education

Unit II: Role and Functions of Administrative Bodies

The Role of MHRD, UGC, NUEPA, NAAC, NCTE, TANSCH on higher education - Growth of universities in recent years - Types and functions of universities - Role and functions of university administrative bodies: Syndicate, senate, academic council and board of studies

Unit III: Higher Education and LPG

Liberalization, privatization, globalization: Meaning, definition, need, importance and impact on higher education - Commercialization of higher education - Democratization of higher education - Autonomy to colleges - Deemed Universities - College with potential for excellence - Self financing colleges - Higher education and open universities and distance education

Unit IV: Problems and Innovations in Higher Education

Problems of Indian higher education: Admission, curriculum, teaching, learning and evaluation - Reforms in higher education: Curriculum and examination system - Higher education and employment - Knowledge Commission - Vocationalisation of higher education - ICTs in higher education

Unit V: Research and Quality Perspectives of Higher Education

Research in higher education: Meaning, need and importance - Research organizations in India - Funding agencies: UGC, CSIR, DST, ICSSR - ICT - Role of ICT in research - ICT and quality in higher education - Maintenance of standards of higher education

References

1. Aggarwal, J.C. (2006). *Essentials of Educational Technology*. New Delhi: Vikas Publishing House.
2. Ajoy Chatterjee. (2007). *Teacher Training for Higher Education*. New Delhi: Crescent Publications.
3. Bhaskara Rao. (2006). *National Policy on Education*. New Delhi: Discovery Publishing Houe.
4. Bourai, H.H.A. & Uniyal, B.P. (2005). *Challenges in Administration of Higher Education*. New Delhi: Abhijeet Publications.
5. Brown, R. (2000). The New UK Quality Framework. *Higher Education Quarterly*. 54(4): 322-342.
6. Chandrasekaran & Premila. (1994). *Educational Planning and Management*. New Delhi: Sterling Publishers Pvt. Ltd.
7. Dahiya, & Bhim, S. (1996). *Higher Education in India: Some Reflections*. New Delhi: Kanishka Publishers.
8. Dhar & Bharat, B. (2008). *Higher Education System*. New Delhi: APH Publishing Corp.
9. Goel Aruna. (2009). *Quality and Excellence in Higher Education*. New Delhi: Deep and Deep Publications.
10. Goel Aruna. (2010). *Extension Education Services in Higher Education*. New Delhi: Deep and Deep Publications.

11. Goel Aruna. (2011). *Organisations, Administration, and Functions of Higher Education*. New Delhi: Deep and Deep Publications.
12. Manning Kathleen. (2014). *Organizational Theory in Higher Education*. New Delhi: Routledge Publications.
13. Padma Ramachandran. (2005). *Education in India*. New Delhi: National Book Trust.
14. Patnaik, J. (2005). *Higher Education in information Age*. New Delhi: Authors Press.
15. Paul Khurana & Singhal. (2010). *Higher Education-Quality and Management*. New Delhi: Gyan Publishing House.
16. Powar, K.B. (1997). *Higher Education in India since Independence: Retrospect and Future Options*. New Delhi: AIU Occasional Paper.
17. Powar, K.B. (2011). *Indian Higher Education Revisited*. New Delhi: Vikas Publishing House.
18. Prokopchuk, A. (1993). The Control and Evaluation of Higher Education Institutions. *Higher Education in Europe*, 18(3):134-136.
19. Rao, V. (2009). *Reform of Higher Education*. New Delhi: Rajat Publication.
20. Sharma, R.A. (2006). *Development of Educational System in India*. Meerut: R.Lall Book Depot.
21. Sharma, R.S. (2005). *Higher Education Scope and Development*. New Delhi: Commonwealth Publishers.
22. Sharma, S.R. (2005). *History and Development of Higher Education in free India*. Jaipur: ABD Publishers.
23. Siddiqui, M.H. (2004). *Technology in Higher Education*. New Delhi: APH Publishing.
24. Singhal, P.R. (2005). *Globalisation and Challenges for Education*. New Delhi: Shipra Publications.
25. Singh Vanitha. (2000). *Development of higher Education in India*. New Delhi: ALFA Publications.

26. Singh Vanitha. (2008). *Curriculum Development in Indian Higher Education*. New Delhi: ALFA Publications.
27. Srivastava Manjulika. (2014). *Open Universities: India's Answer to Challenges in Higher Education*. New Delhi: Vikas Publishing House.
28. UNESCO. (1998). *Higher Education in the Twenty-first Century: Vision and Action* (Final Report). Paris: UNESCO.
29. Vijayan Nambian, K.K. (2004). *Methods for Quality Education*. Hyderabad: Neelakamal Publications.
