

M.A Education Revised Course Structure,
(As Per Revised PG-Regulations on CBCS)

Effective from 2015

DEPARTMENT OF EDUCATION
MIZORAM UNIVERSITY, AIZAWL

M.A. EDUCATION COURSE STRUCTURE

Total Credits: 88

(FC=8 Credits, OE= 4 Credits, CC=60 Credits & SC=16 Credits)

FIRST SEMESTER:

22 CREDITS

(Foundation Courses=4 Credits; Core Courses=18 Credits)

Sl. No.	Course Code	Name of the Course	Marks	Credits	Distribution of Credits			Distribution of Marks	
					L	T	P	Sessional	End Semester Exam
1	EDN/1/FC/01	Sociological Foundations of Education – I	50	2	2	-	-	20	30
2	EDN/1/FC/02	Psychological Foundations of Education – I	50	2	2	-	-	20	30
3	EDN/1/CC/03	Environmental Education	75	3	3	-	-	30	45
4	EDN/1/CC/04	Philosophical Foundations of Education	100	4	3	1	-	40	60
5	EDN/1/CC/05	Statistics in Education	100	4	3	1	-	40	60
6	EDN/1/CC/06	Research Methodology in Education	100	4	3	1	-	40	60
7	EDN/1/CC/07	Contemporary Issues and Trends in Education	75	3	3	-	-	30	45
Total			550	22	19	3	-	220	330

SECOND SEMESTER

22 CREDITS

(Foundation Courses=4 Credits; Core Courses=16 Credits, OE=2 Credits)

Sl. No	Course Code	Name of the Course	Marks	Credits	Distribution of Credits			Distribution of Marks	
					L	T	P	Sessional	End Semester Exam
8	EDN/2/FC/08	Sociological Foundations of Education – II	50	2	2	-	-	20	30
9	EDN/2/FC/09	Psychological Foundations of Education – II	50	2	2	-	-	20	30
10	EDN/2/CC/10	Curriculum Development	100	4	3	1	-	40	60
11	EDN/2/CC/11	Teacher Education	100	4	3	1	--	40	60
12	EDN/2/CC/12	Educational Testing and Evaluation	100	4	3	1	-	40	60
13	EDN/2/CC/13	Early Childhood Education	100	4	3	1	-	40	60
14	EDN/2/OE/14	Human Rights Education	50	2	2	-	-	20	30
Total			550	22	18	4	-	220	330

THIRD SEMESTER 22 CREDITS (Core Courses=12 Credits; Soft Courses=8 Credits, OE=2 Credits)									
Sl.No	Course Code	Name of the Course	Marks	Credits	Distribution of Credits			Distribution of Marks	
					L	T	P	Sessional	End Semester Exam
15	EDN/3/CC/15	Education of the Backward Children	75	3	3	-	-	30	45
16	EDN/3/CC/16	Educational Planning and Management	75	3	3	-	-	30	45
17	EDN/3/CC/17	Pedagogy	75	3	3	-	-	30	45
18	EDN/3/CC/18	Educational Thought	75	3	3	-	-	30	45
19-A	EDN/3/SC/19A	Educational and Vocational Guidance OR	100	4	3	1	-	40	60
19-B	EDN/3/SC/19B	Value Education	100	4	3	1	-	40	60
20-A	EDN/3/SC/20A	Educational Technology OR	100	4	3	1	-	40	60
20-B	EDN/3/SC/20B	History of Indian Education	100	4	3	1	-	40	60
21	EDN/3/OE/21	Peace Education	50	2	2	-	-	20	30
Total			550	22	20	2	-	220	330
FOURTH SEMESTER: 22 CREDITS (Core Courses=14 Credits; Soft Courses=8 Credits)									
Sl. No	Course Code	Name of the Course	Marks	Credits	Distribution of Credits			Distribution of Marks	
					L	T	P	Sessional	End Semester Exam
22	EDN/4/CC/22	Education of the Gifted Children	75	3	3	-	-	30	45
23	EDN/4/CC/23	Comparative Education	75	3	3	-	-	30	45
24	EDN/4/CC/24	Higher Education	100	4	3	1	-	40	60
25	EDN/4/CC/25	Psychological Test and Experiment	100	4	-	-	4	40	60
26-A	EDN/4/SC/26A	Mental Health and Hygiene OR	100	4	3	1	-	40	60
26-B	EDN/4/SC/26B	Economics of Education	100	4	3	1	-	40	60
27-A	EDN/4/SC/27A	Advanced Statistics in Education OR	100	4	3	1	-	40	60
27-B	EDN/4/SC/27B	Education for Women Empowerment	100	4	3	1	-	40	60
Total			550	22	15	3	4	220	330
GAND TOTAL			2200	88	72	12	4	880	1320

EDN/1/FC/01
SOCIOLOGICAL FOUNDATIONS OF EDUCATION-I
(2 Credits)
Marks 50
Exam Time: 2 Hours

Unit-I : Society, Education and Socialisation

- Society: Concept, Composition and Functions
- Sociology of Education: Concept and Scope
- Sociological Perspectives and Determinants of Education
- Socialization: Concept, Nature and Process
- Agencies of Socialization - Family, School, Community, Peer Group, Mass Media

Unit-II : Social Stratification and Education

- Education as a Social Sub-system, Educational Institutions as Social Organisations
- Social Stratification and Social Mobility, Education as a Factor of Social Stratification and Social Mobility
- Social Control and the Role of Education
- Equality of Educational Opportunity - Inequality of Educational Opportunity and its Impact on Social Growth and Development

Suggested Readings:

Adishesiah, W.T.V., & Pavanam, R. (1974). *Sociology in Theory and Practice*. New Delhi: Santhi Publishers.

Barry, H.A., & Johnson, L.V. (1964). *Classroom Group Behaviours: Group Dynamics in Education*. New York: John Wiley & Sons.

Bhat, M.S. (2013), *Educational Sociology*, N. Delhi : A.P.H. Publishing Corporation.

Blackledge, D., & Hunt, Barry (1985). *Sociological Interpretations on Education*. London: Groom Helm.

Cook, L.A., & Cook, E.E.A. (1970). *Sociological Approach to Education*. New York: Mc Graw Hill.

D'Souza, A. (1969). *The Human Factor in Education*. New Delhi: Orient Longmans.

Durkheim, E. (1966). *Education and Sociology*. New York: The Free Press.

Inkeles, A., & Smith (1982). *Becoming Modern*. New York: Haneman.

Jayaram (1990). *Sociology of Education*. New Delhi: Rawat.

Mathur, S.S. (2000). *A Sociological Approach to Indian Education*. Agra-2: Vinod PustokMandir.

Mohanty, J. (1982). *Indian Education in the Emergency Society*. New Delhi: Sterling Publishers.

Pandit, K.L. (2003), *Educational Sociology*, Jaipur : ABD, Publishers.

Pathak , R.P. (2007), *Philosophical and Sociological Perspective of Education*, N. Delhi: Atlantic Publishers.

Prasad, J. (2004), *Education and Society*, N.Delhi : Kanishka Publishers.

Rajendra, Pade (1988). *Modernization and Social Change*. New Delhi: Criterion Publication.

Shukla, S., & Kumar, K. (1985).*Sociological Perspectives in Education*. New Delhi: Chanakya Publication.

Taneja , V.R. (2009), *Socio- Philosophical Approach to Education*, N. Delhi : Atlantic Publishers.

UNESCO (1982).*Inequalities in Educational Development*. Paris: ANIIEP Seminar, UNESCO.

EDN/1/FC/02
PSYCHOLOGICAL FOUNDATIONS OF EDUCATION-I
(2 Credits)
Marks 50
Exam Time: 2 Hours

Unit-I : Introduction to Educational Psychology

- Psychology: Origin, Meaning, Nature and Characteristics
- Approaches to Study Human Behaviour: Behaviouristic, Cognitive, Psychodynamic and Humanistic
- Concerns of Education Psychology
- Methods used in educational psychology
- Importance of Educational Psychology for Teachers

Unit-II : Human Growth and Development

- Concept of Growth, Development and Maturation
- Principles, Stages and Aspects of Development: Physical, Mental, Social, Emotional, Moral
- Theories on Human development and their Educational Implications:
 - Freud's Psychoanalytical theory
 - Erickson's theory of psycho-social development
 - Havighurst's Development task theory
 - Piaget's Cognitive development theory
 - Kohlberg's Moral development theory

Suggested Readings :

Aggarwal, J.C. (1994). *Essentials of Educational Psychology*. New Delhi:Vikas Publishing House Pvt. Ltd.

ASCH, M. (2005). *An introduction to educational psychology*. New Delhi: SARUP & Sons.

Benjamin Jr., L. T., Hopkins, J. R., & Nation, J. R. (1994). *Psychology*. USA: Macmillon College Publishing Company Inc.

Barbara, K. (2009). *Encyclopedia of giftedness, creativity & talent*. New Delhi: SAGE.

Bhattacharya, S. (2006). *Psychological foundations of education*. New Delhi: Atlantic.

Chauhan, S.S. (1978). *Educational Psychology*. New Delhi: Vikas Publishing House Pvt. Ltd.

Crain, William (1992). *Theories of Development: Concepts and Application*. N. Jersey: Prentice Hall.

Chaube, S.P. & Chaube, A. (2011). *Handbook of Education & Psychology*. New Delhi: Neelkamal Publications Pvt. Ltd.

Dash, M., & Dash, Neena (2003). *Fundamentals of Educational Psychology*. New Delhi: Atlantic Publishers & Distributors.

Dash, Muralidhar (2002). *Educational Psychology*: New Delhi: Deep & Deep Publication Pvt. Ltd.

Dutt, N.K. (1978). *Psychological Foundations of Education*. Delhi: Doaba House.

Deshprabhu, S. (2006). *Educational psychology and child development*. New Delhi: Kanishka Publishers.

Garret, H.E. (2006). *Statistics in psychology and education*. New Delhi: Cosmo Publications.

Gray, C., & Mac Blain, S. (2012). *Learning theories in childhood*. USA: SAGE.

Gorman, R. M., & Charles, E. (1974). *The Psychology of Classroom Learning*. Ohio: Merrill Publishing Company.

Hall, Calvin S & Lindzey, Gardner (1985). *Theories of Personality*. New Delhi: Willey Eastern Limited.

Hill, W. F. (1977). *Learning – A Survey of Psychological Interpretations*. (3rd ed.). London: Methuen & Co Ltd.

Helen, B. & Denise, B. (2003). *Life span development*. New York: Allyn & Bacon.

Judd, Charles H (2000). *Educational Psychology*. Delhi: Khel Sahitya Kendra.

Klausmeier, Herbert J & Goodwin, William (1975). *Learning and Human Abilities: Educational Psychology*. (4th ed.). New York: Harper & Row Publishers.

Klein, S.B. (2015). *Learning/ 7 principles and Applications*. USA: SAGE.

Lindgren, H.C. (1980). *Educational Psychology in the Classroom*. (6th ed.). New York: Oxford University Press.

Loree, M. Ray (1970). *Psychology of Education*. (2nd ed.). New York: John Wiley & Sons.

Leach, J & Moon, B. (1999). *Learners and pedagogy*. London: Paul Chapman Publishing.

Mangal, S.K. (2005). *Advanced Educational Psychology*. New Delhi: Prentice Hall of India Private Limited.

Mishra, R.C. (2011). *Advanced Educational Psychology*. New Delhi: A.P.H. Publishing Corporation.

Mishra, R.C. (2011). *Educational Psychology*. New Delhi: A.P.H. Publishing Corporation.

Martinez-Pons, M. (2001). *The psychology of teaching and learning*. London: Continuum.

Meece, J.L. (2002). *Child and Adolescent Development for Educators*. New Delhi: McGraw Hill.

Muijs, D., & David, R. (2011). *Effective Teaching Evidence and Practice*. New Delhi: SAGE.

Nayak, A.K. & Rao, V.K. (2014). *Educational psychology*, New Delhi: A.P.H publishing corporation.

- Pandey, V.C. (2005). *Intelligence and Motivation*. Delhi: Isha Books.
- Rastogi, K.G. (1983). *Educational Psychology*. Meerut: Rastogi Publications.
- Ross, J.S. (2006). *Ground work of educational psychology*. New Delhi: Surjeet Publications.
- Santhakumari, K. (2014). *Advanced educational psychology*. New Delhi: A.P.H publishing corporation.
- Santrock, J.W. (2006). *Educational psychology*. New Delhi: McGraw Hill.
- Sharma, P. (2014). *Educational Psychology*. New Delhi: A.P.H. Publishing Corporation.
- Sharma, S. (2005). *Advanced Educational Psychology*. New Delhi: Anmol publication private ltd.
- Skinner, E.C. (2006). *Essentials of educational psychology*. New Delhi: Surjeet Publications.
- Sharma, Bharti (2004). *Psychological Foundations of Education*. New Delhi: Vohra Publishers & Distributors.
- Sharma, R.N., & Sharma, R.K. (2006). *Advanced Educational Psychology*. New Delhi: Atlantic Publishers & Distributors.
- Sharma, Yogendra K (2004). *Textbook of Educational Psychology*. New Delhi: Kanishka Publishers & Distributors.
- Thompson, George G., Gardner, Eric F., & Vesta, Francis J.D. (2008). *Educational Psychology*. Delhi: Surjeet Publication.
- Upadhya, Brijesh & Singh, Yogesh Kumar (2008). *Advanced Educational Psychology*. New Delhi: APH Publishing Corporation.
- Wood, Samuel E & Wood, Evan Green (1999). *The World of Psychology*. USA: Allyn and Bacon.
- Wal, S. (2006). *Education and child development*. New Delhi: Sarup & Sons.
- Woolfolk, A.E. (1995). *Educational Psychology*.

EDN/1/CC/03
ENVIRONMENTAL EDUCATION
(3 Credits)
Marks- 75
Exam Time:2Hour 30 Minutes

Unit-I : Introduction to Environmental Education

- Concept of Environment and Ecosystem
- Sources and Effects of Air, Water, Soil, Noise and Chemical Pollutions
- Environmental Education : Concept, Background and Scope
- Importance of Environmental Education
- Objectives of Environmental Education
- Principles of Environmental Education

Unit-II : Man and Environment

- Human Beings as Part of Environment, Human Adaptations to Environment
- Population and its Effect on Environmental Resources
- Extinction of Flora and Fauna, Soil Erosion, Deforestation and Afforestation, Biodiversity in Nature, Protection of Wild Life
- Industrial Growth, Scientific and Technological Inventions and their Impact on Environmental System

Unit-III : Approaches to Environmental Education

- Environmental Education and its Priorities in Developed and Developing Countries
- Environmental Education Programmes at the Formal and Informal Education Levels, Recommendations at the School and Higher Levels of Education
- Special Nature of Curriculum on Environmental Education
- Strategies for Environmental Education-Separate Subject, Topical Units, Integration and Interdisciplinary Approaches
- Methods – Discussion, Seminar, Workshop, Field Surveys, Projects, Exhibition
- Role of Mass Media in Environmental Education, Print and Non-Print Media

Suggested Readings:

Aggarwal, J.C. (2013). *Education for values, environment and human rights*, New Delhi: Shipra Publication.

Aggarwal, S.K. (2002). *Pollution Management(air, water, pesticide, heavy metal, noise pollution)* New Delhi: A.P.H. Publishing Corporation.(Vol. 1,2,3,4 & 5)

Akhtar ,Rais (Ed.). *Environmental Pollution and Health Problems, New World Environment Series – IV*. New Delhi: Ashish Publishing House.

Bakshi, T.S. et.al., (Eds.). (1986). *Environmental Education, Principles, Methods and Applications*. New York.

Bukhari, A.Z. (2006). *Mass Media and Methods of Education*. New Delhi: Anmol Publications.

Cunningham, W.P. & Cunningham, M.A. (2006) *Principles of environmental science-inquiry & application* (3rd ed.) New York: McGraw Hill

Cunningham, W.P. & Cunningham, M.A. (2010) *Environmental science- a global concern* (11th ed.)New York: McGraw Hill.

Easton, T.A. (2009). *Taking sides- clashing views on environmental issues* Iowa: McGraw Hill Contemporary Learning Series.

Ghanta, R. & Rao, D.B. (2003). *Environmental education- problems and prospects*, New Delhi: Discovery Publishing House.

Houghton, J. (2009) *Global warming- a complete briefing*(4th ed.) New York: Cambridge University Press.

New Jersey States Council for Environmental Education (1969). *Evaluation for Environmental Education*. NJ: Mountain Lakes.

Keller, E.A. & Botkin, D.B.(2005) *Environmental science* (5th ed.) NewYork: John Wiley & Sons.

Keller, E.A. & Botkin, D.B.(2008) *Essential environmental science* New Jersey: John Wiley & Sons.

Kumar, T. P. (2009). *Environmental education*, New Delhi: A.P.H. Publishing Corporation.

McKinney, M.L. & Schoch ,R. M. (2003). *Environmental Science-system & Solution* (3rd ed.). MA: Jones & Bartlett Publishers.

Nanda, V.K. (2008). *Environmental education*, New Delhi: Anmol Publications Pvt. Ltd.

North East India Education Society (1993).*Proceedings of Third Annual Conference*.

Pandey,G.N. (2006). *Environmental management* New Delhi: Vikas Publishing House.

Patil, C.S. & Biradar P.M. (2009). *Environmental education*, New Delhi: A.P.H. Publishing Corporation.

Rao, V.K. & Reddy, R.S. (2005). *Environmental education*, New Delhi: Common Wealth Publishers.

Ruhela, S.P. & Nayak, R. (2011). *Education for values, environment and human rights*, Hyderabad: Neelkamal Publication.(Vol. 1, 2)

Sati, V.P. (2012). *An introduction to environment*, Jaipur: Rawat Publications.

Saxena, A.B. & Anand V.V. (2012). *Essentials of environmental education*, Agra: H.P. Bhargava Book House.

Sethi, P. & Kulkarni, V.S. (2011). *Environmental education*, New Delhi: Alfa Publication.

Sharma, B.M. (2004). *Teaching environmental education*, New Delhi: Akansha Publishing House.

Sharma, S.P. (2006). *Environmental education*, New Delhi: Vista International Publishing House.

Sinha, R.K. & Herat, S. (2004). *Industrial and hazardous wastes- impacts and management plans*, Jaipur: Pointer Publishers.

Suubramanian, V. (2007). *A textbook in environmental science*, New Delhi: Narosa Publishing House.

Sharma, R.C. (1986). *Environmental Education*. New Delhi.

Singh, Y.K. (2007). *Multimedia in Education*. New Delhi: Shree Publications and Distributions.

Trivedi, R.N. (Ed.). (1986). *Environmental Pollution and its impact on the Organism*. Patna: Bharti Bhavan.

Senapatti, Tilotama & Rajan Kumar Sahoo (2009). *Environmental Education and Pollution Control*. New Delhi: Mitral Pub.

Sharma, S.R. (2006). *Environment Education*. Srisai Pint Outgraphers.

Swan, James A & Strapp, W.B. (1974). *Environmental Education, Strategies toward a more livable Future*. New York: John Wiley – Sage Publication.

EDN/1/CC/04
PHILOSOPHICAL FOUNDATIONS OF EDUCATION
(4 Credits)
Marks- 100
Exam Time: 3 Hours

- Unit-I : Introduction to Philosophical Foundations of Education**
- Meaning, Scope and Branches of Philosophy
 - Functions of Philosophy- Speculative, Analytical and Normative
 - Interdependence of Philosophy and Education
 - Philosophy of Education: Meaning and Scope
 - Need of Philosophy of Education
- Unit-II : Philosophy and Education**
- Influence of Philosophy on Aims of Education, Curriculum, Textbook, Teacher, Methods of Teaching and Discipline
 - Comparative Study of Idealism, Realism, Naturalism and Pragmatism: Fundamental Principles, Principles of Education, Aims of Education, Curriculum, Methods of Teaching, Teacher and Discipline.
- Unit-III : Schools of Philosophy**
- Western Schools*
- Logical Positivism
 - Humanism
 - Existentialism
 - Dialectical Materialism
- With special reference to their educational implications
- Indian Schools*
- Samkhya
 - Yoga
 - Vedanta
 - Buddhism
 - Jainism
- With special reference to their educational implications
- Unit-IV : Knowledge, Freedom and Authority**
- Concept, Nature, Types and Theories of Knowledge
 - Methods of Acquiring Knowledge
 - Educational Implications of Knowledge
 - Meaning of Freedom and Authority
 - Interdependence of Freedom and Authority
 - Relevance of Freedom and Authority in Education
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Suggested Readings:

Arnstine, D. (1987). *Philosophy of Education: Learning and Schooling*. New York: Harper & Row.

Agrawal, J. C. (2013). *Basic Ideas in Education*. Delhi: Shiprapublicarion.

Bhatt, S.R. (1986). *Knowledge, Value and Education: An Axiometric Analysis*. Delhi: Glan Publishing House.

Bailey, R., Barrow, R., Carr, D. & McCarthy, C. (2010). *The Sage Handbook of Philosophy of Education*. New Delhi : sage.

Biswal, U.N. (2005). *Philosophy of Education*. New Delhi: Dominant Publishers & Distributors.

Brameld, T. (1971). *Pattern of Educational Philosophy*. New York: Hold Rinehart & Winston.

Blake, N. Smeyer, P. Smith, R. and Stanfish, P.(2003). *The Blackwell Guide to the Philosophy of education*. Berlin: Blackwell.

Cahn S. M. (1970). *The Philosophical Foundation of Education*. New York: Harper& Raw publishers.

Chaoudhary, K. (2005). *A Handbook of Philosophy of Education*. New Delhi: Mahamaya publishing house.

Curtir, S.J. (1968). *Introduction to the Philosophy of Education*. London University: Tutorial Press.

Chandra, S.S., & Sharma, R.K. (2004). *Philosophy of Education*. New Delhi: Atlantic Publishers & Distributors.

Ghanta, R., & Dash, B. N. (2012). *Foundation of Education*. New Delhi: Neelkamal publication Pvt. Ltd.

Johri, P.K. (2005). *Philosophical Foundations of Education*. New Delhi: Anmol Publications Pvt. Ltd.

Kausik, V.K. & Sharma, S.R. (2007). *Philosophy of Education*. New Delhi: Anmol publication pvt. Ltd.

Kneller, G.F. (1971). *Introduction to the Philosophy of Education*. New York: John Witty & Sons.

Kumar, S. & Kumar, N.(2005). *Aims of Education*. New Delhi: Anmol publication Pvt. Ltd.

Lal, B.M. (2006). *Educational Philosophy*. New Delhi: Pragun Publications.

Mishra, Y. Nehru, R. S. S. (2014). *Philosophies of Education*. New Delhi: APH publishing corporation.

Naqi, M. (2005). *Modern Philosophy of Education*. New Delhi: Anmol Publications Pvt. Ltd.

Pandey, R.S. (1982). *An Introduction of Major Philosophies of Education*. Agra: Vinod PustakMandir.

Peters, R.S. (1963). *Authority, Responsibility & Education*. London: George Allen Unwin.

Raymont, T. (2007). *The principles of Education*. Delhi: Sujeet Publication.

Reid, L.A. (1982). *Philosophy and Education*. London: Jeineman.

Reyna, R. (1971). *Introduction to Indian Philosophy*. New Delhi: Tata – Mc Grow Hill.

Seetharamu, A.S. (1978). *Philosophies of Education*. New Delhi: Ashish.

Stemmer, N. (1983). *Roots of Knowledge*. Oxford: Basil Blackwell.

- Sahu, B. (2007 Reprint). *The New Educational Philosophy*. New Delhi: Sarup & Sons.
- Sharma, Dr. *Philosophical Foundations of Education*. Agra: Lakshmi Narain Agarwal.
- Sharma, P. (2005). *Philosophy of Education*. New Delhi : A.P.H. Publishing Corporation.
- Sharma, R.N. (2004). *Textbook of Educational Philosophy*. (2nded.). New Delhi: Kanishka Publishers & Distributors.
- Sharma, Y. K. (2002). *The doctrines of great Indian education*. New Delhi: Kanishka Publication.
- Shrivastava, K.K. (2003). *Philosophical Foundations of Education*. New Delhi: Kanishka Publisher & Distributors.
- Shukla, R. (2001). *Philosophy of Education*. Jaipur: Sublime Publications.
- Siddiqui, M.H. (2009). *Philosophical & Sociological Perspectives in Education*. New Delhi: APH Publishing Corporation.
- Singh, K. S. (2011). *Educational Philosophy and Thinkers*. Agra: H.P. Bhargva Book House.
- Sharma, S. P. (2004). *Basic Principles of Education*. New Delhi: Kanishka publishers and distributors.
- Siddiqui, M. S. & Srivastav, A. (2014). *Philosophical Ligancy of Education*. New Delhi: APH publishing corporation.
- Tooley, J.(2000). *Reclaiming Education*. London: Cassel.
- Wimgo, M. (1975). *Philosophies of Education: An Introduction*. New Delhi: Sterling Publishers Pvt. Ltd

EDN/1/CC/05
STATISTICS IN EDUCATION
(4 Credits)
Marks- 100
Exam Time: 3 Hours

Unit -I: Fundamentals of Statistics

- Meaning and Nature of Statistics
- Uses and Abuses of Statistics
- Need and Importance of Statistics in Research
- Graphical Presentation of Data: Histogram/Bar Diagram, Frequency Polygon, Ogive and Pie diagram.
- Measures of Central Tendency and Variability: Concept, Computation and uses

Unit-II: Normal Distribution

- Concept and Characteristics
- Concept of Skewness and Kurtosis and their Computation
- Applications of Normal Distribution

Unit-III: Correlation

- Concept, Types and Uses of Correlation
- Computation of Co-efficient of Correlation by:
 - Rank-Difference method
 - Product Moment Method - (Ungrouped & Grouped Data)

Unit-IV: Parametric and Non-parametric Statistics

Parametric Statistics:

- Significance of Mean
- 't' Test for Independent, Correlated, and Matched Groups (large sample)
- One Tailed and Two Tailed Tests
- Type - I Error and Type-II Error
- ANOVA - One Way

Non-parametric Statistics

- Chi-Square Test for:
 - a) Testing of Equal Probability Hypothesis
 - b) Testing of Normal Probability Hypothesis
 - c) Testing of Hypothesis of Independence

Suggested Readings :

Blalock, H.M. (1981). *Social Statistics*. New York: Mc Grow Hill.

Bowley, A.L. (1937). *Elements of Statistics*. (6th ed.). London: P.S. King and Staples Ltd.

Croxton, F.E., & Cowden, D. J. *Applied General Statistics*. (3rded.). New Delhi: Prentice& Klein, S.- Hall of India Pvt. Ltd.

Fiebleman, J.K. (1972). *Scientific Method, Netherlands*. MartinusNijhoff: The Hague.

Garrett, H.E. (1988). *Statistics in Psychology and Education*. Bombay: Vakils, Feffer and Simons Ltd.

Ghosh, B.N. (1982). *Scientific Methods and Social Research*. New Delhi: Sterling Publishers Pvt. Ltd.

Guilford, J.P., & Fruchter, B. *Fundamental Statistics in Psychology and Education*. New York.

Guilford, J.P. (1954). *Psychometric Methods*. New York: Mc Graw Hill, Inc.

Hollander, M. & Wolfe, D.A (1973) *Nonparametric Statistical Methods*. New York: John Wiley.

Karson, Marvin J (1982). *Multivariate Statistical Methods*. Ames, Iowa: The Iowa State University Press.

Kurtz, A.K., & Mayo, S.T. (1980). *Statistical Methods in Education and Psychology*. New Delhi: Narosa Publishing House

Morrison, Donald F (1967). *Multivariate Statistical Methods*. New York: McGraw- Hill.

Roscoe, John T (1969). *Fundamental Research Statistics for the Behavioral Sciences*. New York: Holt, Rinehart and Winston Inc.

Runyon, Richard P (1977). *Inferential Statistics*. Philippines: Addison-Wesley Publishing Company, Inc.

Siegel, Sydney (1978). *Non - Parametric Statistics for Behavioral Science*. New Delhi: Mc Grow Hill.

Siegel, S. (1956). *Nonparametric Statistics for the Behavioral Sciences*. New York: McGraw-Hill Publishing Co., Inc.

Ullman, Neil R (1978). *Elementary Statistics*. New York: John Wiley & Sons, Inc.

EDN/1/CC/06
RESEARCH METHODOLOGY IN EDUCATION
(4 Credits)
Marks- 100
Exam Time: 3 Hours

Unit-I : Introduction to Educational Research

- Methods of Acquiring Knowledge - Traditions, Experience, Reasoning (Inductive and Deductive), and Scientific Method
- Meaning, Characteristics and Scope of Educational Research
- Objectives, Need and Importance of Educational Research
- Types of Research:
 - a) Fundamental, Applied and Action
 - b) Quantitative and Qualitative
- Research Ethics
- Problems Encountered by Researchers in India

Unit-II : Variables, Hypotheses and Sampling

- Variables: Concept and Types
- Hypotheses: Meaning, Nature and Types
- Characteristics of Good Hypotheses
- Difficulties in Formulating Hypotheses
- Sources of Deriving Hypotheses
- Approaches to Hypotheses Testing
- Sample: Concept and its Advantages
- Principles of Sampling
- Characteristics of a Good Sampling Design
- Probability and Non-Probability Sampling Designs
- Factors affecting Sample Size

Unit-III : Process of Educational Research

- Review of Related Literature: Purpose, Sources and Organization
- Identification and Formulation of Research Problem
- Formulation of Research Questions, Objectives and Hypotheses
- Types of Data- Quantitative and Qualitative
- Techniques of Data Collection: Interview, Observation and Questionnaire
- Tools of Data Collection: Interview Schedule, Observation Schedule, Rating Scale and Tests
- Analysis and Interpretation of Data
- Steps in Writing a Research Report

Unit-IV : Research Design and Methods

- Research Design: Meaning, Need, Importance and Advantages;
- Characteristics of a Good Research Design; and Important Concepts Relating to Research Design
- Descriptive Research: Meaning, Types, Need and Uses
- Historical Research: Meaning, Need and Significance; Sources of Data, and Internal and External Criticism of Data in Historical Research

- Experimental Research: Meaning & Characteristics; Basic Principles of Experimental Designs
- Important Experimental Designs (Only Concepts)
 - a) **Informal Experimental Designs**
 - Before and After without Control Design
 - After only with Control Design
 - Before and After with Control Design
 - b) **Formal Experimental Design**
 - Completely Randomized Design
 - Randomized Block
 - Latin Square Design
 - Factorial Design.
 -

Suggested Readings :

Best, J.W., & Kahn, J.V. (1989). *Research in Education*. (6th ed.). New Delhi: Prentice Hall of India, Private Ltd.

Buckman, B.W. (1978). *Analysing and Designing Educational Research*. New York: Harcourt Brace Javanovich Inc.

Bruce, Tuchman (1978). *Conducational Research*. New York: Harcourt Brace Inc.

Buch, M.B. (1974). *Survey of Research in Education*. Baroda: CASE, M.S.University

Englehart, Max D (1972). *Methods of Educational Research*. Chicago: Rand Mc Nally Meyer W.J.and Co.

Fox, D.J. (1969). *The Research Process in Education*. New York: Holt Rinehart and Winston, Inc.

Good, Barr & Scates (1962). *Methodology of Educational Research*. New York: Appleton Crofts.

Kerlinger, F.N. (1978). *Foundations of Behavioral Research*. Delhi: Surjeet Publications.

Koul, L. (1984). *Methodology of Educational Research*. New Delhi: Vikas Publishers

Mcmillan, J. H., & Schumacher, S. (1993), *Research in Education*. (3rd ed.). New York : Harper and Collins College Publishers.

Sax, G. (1962). *Empirical Foundations of Educational Research*. Englewood Cliffs, N.J

Singh, Arun Kumar (1986). *Tests, Measurement and Research Methods in Behavioural Sciences*. New Delhi: Mc Grow Hill.

Sukhia, S.P., & Others (1974). *Elements of Educational Research*. (3rd revised ed.). Bombay: Allied Publishers.

Tuckman, B.W. (1979). *Conducting Educational Research*. (2nd ed.). New York: Harcourt Brace Javanovich Inc.

Van Dalen, D.S., & Meyer W.J. (1979). *Understanding Educational Research: An Introduction*. New York: Mc Grow Hill Co.

Wilkinson & Bhandarkar (1994). *Methodology and Techniques of Social Research*. Bombay: Himalaya Publishing House.

Matthew David, Carole D Sutton (2013) *Social Research an Introduction*, Sage Publication New Delhi.

H. Russell Bernard (2014) *Social Research Methods qualitative and Quantitative Approaches*, Sage Publication New Delhi.

David L Morgan (2013) *Integrating Qualitative And Quantitative Methods A Pragmatic Approach*, Sage Publication New Delhi.

Yvonne N Bui (2013) *How to write a Master Thesis*, Sage Publication New Delhi.

Stephen Gorard (2013) *Research Design Creating Robust Approaches for the Social Sciences*, Sage Publication New Delhi.

Jane Mills and Mallanai Briks (2014) *Qualitative Methodology A Practical Guide*, Sage Publication New Delhi.

Svend Brinkman (2014) *Qualitative Inquiry in Everyday Life*, Sage Publication New Delhi.

Pat Bazeley (2014) *Qualitative Data Analysis*, Sage Publication New Delhi.

Cathy Urquhart (2013) *Grounded Theory for Qualitative Research*, Sage Publication.

MANGAL, S.K., MANGAL, SHUBHRA (2014) *Research Methodology In Behavioural Sciences*, PHI Publications New Delhi.

ASTHANA, HARI SHANKAR, BHUSHAN, BRAJ (2014) *Statistics for Social Science with SPSS*, PHI, New Delhi.

MANGAL, S.K. (2014) *Statistics in Psychology and Education*, PHI PUBLICATION New Delhi.

EDN/1/CC/07
CONTEMPORARY ISSUES AND TRENDS IN EDUCATION
(3 Credits)
Marks- 100
Exam Time: 2Hours & 30Minutes

Unit-I : Contemporary Issues in School Education

- Right to Education Act, 2009
- Sarva Shiksha Abhiyan (SSA)
- Rashtriya Madhyamik Siksha Abhiyan (RMSA)
- ICT in Schools
- Learning without Burden

Unit-II : Contemporary Issues in Higher Education

- Recommendations of National Knowledge Commission on Higher Education
- Autonomous College
- Deemed University
- Assessment and Accreditation of Institutions of Higher Education
- Rashtriya Uchatar Shiksha Abhiyan (RUSA)

Unit-III : Recent Trends in Education

- Continuous and Comprehensive Evaluation
- Grading System
- Use of Computer in Education
- Inclusive Education
- Liberalization, Privatization and Globalization in Education

Suggested Readings:

Aggarwal, J.C. (1994). *Learning Without Burden: An Analysis*. Delhi: Shipra Publications

Aggarwal, J.C. (2005). *Recent Developments and Trends in Education*. Delhi: Shipra Publications.

Aggarwal, J.C. (2013). *Education in the Emerging Indian Society*. New Delhi: Shipra Publications.

Biswas, N.B. (2008). *Education in North-East India*. New Delhi: Shipra Publications.

Chalam, K.S. (2005). *Challenges of Higher Education*. New Delhi: Anmol Publications Pvt. Ltd.

Chatterjee, B. (2006). *Education for All*. New Delhi: Lotus Press.

Chopra, R. & Jeffery P. (2005). *Education Regimes in contemporary India*. New Delhi: Sage Publication.

Dash, B.N. (2004). *Trends and Issues in Indian Education*. New Delhi: Dominant Publishers & Distributors.

- Gupta, S. (2013). *Education in Emerging India*. New Delhi: Shipra Publications.
- Jha, P. K. (2005). *Assessment and Evaluation in Higher Education*. Delhi: Vista International Publishing House.
- Kumar, A. (2004). *Current Trends in Indian Education*. New Delhi: Ashish Publishing House.
- Kumar, R. (2006). *The Crisis of Elementary Education in India*. New Delhi: Sage Publication.
- Malik, A. K. (2008). *Contemporary Education*. New Delhi: Shri Sai Printographers.
- Mohanty, J. (2004). *Modern Trends in Indian Education*. New Delhi: Deep and Deep Publications Pvt. Ltd.
- Mohanty, J. (2003). *Current Trends in Higher Education*. New Delhi: Deep and Deep Publications Pvt. Ltd.
- Pandey, V.C. (2005). *Higher Education in a Globalising World*. Delhi: Isha Book Publications.
- Powar, K.B. (2002). *Indian Higher Education*. New Delhi: Concept Publishing Company.
- Rao, D.B. (2014). *Education for All Achieving the Goal: Mid Decade Review Reports of Regional Seminar (vol 2)*. New Delhi. APH Publishing House.
- Rao, D.B. (2014). *Education for All Achieving the Goal: Issues and Trends (vol. 3)*. New Delhi. APH Publishing House.
- Rao, D.B. (2014). *Education for All Achieving the Goal: The Global Concerns (vol. 1)*. New Delhi. APH Publishing House.
- Rao, D.B. (2014). *Education for All*. New Delhi. APH Publishing House.
- Rao, D.J. (2010). *Elementary Education in India (status, issues and concerns)*. New Delhi: Viva Books.
- Shivaprakashan, M.N. (2003). *Elementary Education in 21st Century*. New Delhi: Rajat Publication.
- Sharma, P.L. (2004). *World Educational Reforms*. New Delhi: Sarup & Sons.
- Singh, B.P., Singh, S. & Singh, S. (2012). *Education in Emerging Indian Society*. New Delhi: APH Publishing Corporation.
- Stephen, J. B., Ibor, F.G., & Meg, M. (2007). *Education Globalization and New Times*. New York: Routledge.
- Venkataiah, S. (2001). *Contemporary Education*. New Delhi: Anmol Publishers PVT LTD.
- National Knowledge Commission Report to the Nation 2006*. New Delhi: National Knowledge Commission, Government of India.
- NIEPA, (2003). *International conference on Globalization and Challenges for Education: Focus on Equity and Equality*. New Delhi: Shipra Publications.
- The Right of Children to Free and Compulsory Education Act, 2009*. New Delhi: Universal Law Publishing Co. Pvt. Ltd.

SEMESTER-II

EDN/2/FC/08

SOCIOLOGICAL FOUNDATIONS OF EDUCATION-II

(2 Credits)

Marks- 50

Exam Time:2hours

Unit-I: Social Interactions and Group Dynamics in Education

- Forms of Social interaction - Competition, Conflict, Assimilation and Accommodation
- Typology of Social Groups - Primary - Secondary, Formal - Informal, In-Groups and Out-Groups
- Dynamics of Group Behaviour, Sociometry and Sociogram to Study Social Interactions; Educational Significance of Group Dynamics

Unit-II: Education, Society and Social Change

- Education as a Social Sub-System, Educational Institutions as Social Organisations
- Social Stratification and Social Mobility, Education as a Factor of Social Stratification and Social Mobility.
- Social Control and the Role of Education.
- Equality of Educational Opportunity - Inequality of Educational Opportunity and Its Impact on Social Growth and Development.
- Social Change: Concept, Theories and Factors affecting Social Change
- Urbanization, Modernization, Westernization and Sanskritization as Forms of Social Change in India.
- Role of Education in Modernization, Cultural and Social Change.
- Education for Socio-Emotional Integration & International Understanding.

Suggested Readings:

Adishesiah, W.T.V., & Pavanam, R. (1974). *Sociology in Theory and Practice*. New Delhi: Santhi Publishers.

Barry, H.A., & Johnson, L.V. (1964). *Classroom Group Behaviours: Group Dynamics in Education*. New York: John Wiley & Sons.

Bhat, M.S. (2013), *Educational Sociology*, N. Delhi : A.P.H. Publishing Corporation.

Blackledge, D., & Hunt, Barry (1985). *Sociological Interpretations on Education*. London: Groom Helm.

Cook, L.A., & Cook, E.E.A. (1970). *Sociological Approach to Education*. New York: Mc Graw Hill.

D'Souza, A. (1969). *The Human Factor in Education*. New Delhi: Orient Longmans.

- Durkheim, E. (1966). *Education and Sociology*. New York: The Free Press.
- Inkeles, A., & Smith (1982). *Becoming Modern*. New York: Haneman.
- Jayaram (1990). *Sociology of Education*. New Delhi: Rawat.
- Mathur, S.S. (2000). *A Sociological Approach to Indian Education*. Agra-2: Vinod PustokMandir.
- Mohanty, J. (1982). *Indian Education in the Emergency Society*. New Delhi: Sterling Publishers.
- Pandit, K.L. (2003), *Educational Sociology*, Jaipur : ABD, Publishers.
- Pathak , R.P. (2007), *Philosophical and Sociological Perspective of Education*, N. Delhi: Atlantic Publishers.
- Prasad, J. (2004), *Education and Society*, N.Delhi : Kanishka Publishers.
- Rajendra, Pade (1988). *Modernization and Social Change*. New Delhi: Criterion Publication.
- Shukla, S., & Kumar, K. (1985). *Sociological Perspectives in Education*. New Delhi: Chanakya Publication.
- Taneja , V.R. (2009), *Socio- Philosophical Approach to Education*, N. Delhi : Atlantic Publishers.
- UNESCO (1982). *Inequalities in Educational Development*. Paris: ANIIEP Seminar, UNESCO.

EDN/2/FC/09
PSYCHOLOGICAL FOUNDATIONS OF EDUCATION-II
(2 Credits)

Marks-50
Exam Time:2 Hours

Unit-1 Intelligence & Creativity

- Concept and Nature of Intelligence and Creativity
- Theories of Intelligence – Spearman, Thurston, Guilford, Gardner, Sternberg
- Emotional Intelligence & Spiritual intelligence
- Stages, measurement and nourishment of Creativity
- Role of Heredity and Environment in intelligence and Creativity

Unit-4 Learning, Motivation, Personality Adjustment and Mental Health

- Meaning, concept and Factors affecting Learning
- Learning Theories – Behaviourist Approach, Cognitive Approach (social-cognitive & Gestalt), Eclectic Approach (Gagne), Information-processing Theory
- Transfer of Learning
- Meaning and Role of Motivation in Learning
- Achievement Motivation, Atkinson's Theory of Motivation
- Meaning, Definitions and Nature of Personality
- Theories of Personality: Psychoanalytical Theory(Classical and Neo-Freudian Theory), Trait theories (Big Five Factor Theory), Humanistic Theory, Learning Perspective Theory, Biological and Genetic Theory
- Concept of Mental Health, Characteristics of Mentally Healthy Person
- Adjustment processes and defence mechanisms.
- Concept, Types and Mechanism of Adjustment, School and Classroom Practices for enhancing Adjustment and Mental Health among students.
- Stress and Conflict.

Suggested Readings :

Aggarwal, J.C. (1994). *Essentials of Educational Psychology*. New Delhi: Vikas Publishing House Pvt. Ltd.

Benjamin Jr., L. T., Hopkins, J. R., & Nation, J. R. (1994). *Psychology*. USA: Macmillon College Publishing Company Inc.

Chauhan, S.S. (1978). *Educational Psychology*. New Delhi: Vikas Publishing House Pvt. Ltd.

Crain, William (1992). *Theories of Development: Concepts and Application*. N. Jersey: Prentice Hall.

Dash, M., & Dash, Neena (2003). *Fundamentals of Educational Psychology*. New Delhi: Atlantic Publishers & Distributors.

Dash, Muralidhar (2002). *Educational Psychology*: New Delhi: Deep & Deep Publication Pvt. Ltd.

Dutt, N.K. (1978). *Psychological Foundations of Education*. Delhi: Doaba House.

Gorman, R. M., & Charles, E. (1974). *The Psychology of Classroom Learning*. Ohio: Merrill Publishing Company.

Hall, Calvin S & Lindzey, Gardner (1985). *Theories of Personality*. New Delhi: Willey Eastern Limited.

Hill, W. F. (1977). *Learning – A Survey of Psychological Interpretations*. (3rd ed.). London: Methuen & Co Ltd.

Judd, Charles H (2000). *Educational Psychology*. Delhi: Khel Sahitya Kendra.

Klausmeier, Herbert J & Goodwin, William (1975). *Learning and Human Abilities: Educational Psychology*. (4th ed.). New York: Harper & Row Publishers.

Lindgren, H.C. (1980). *Educational Psychology in the Classroom*. (6th ed.). New York: Oxford University Press.

Loree, M. Ray (1970). *Psychology of Education*. (2nd ed.). New York: John Wiley & Sons.

Mangal, S.K. (2005). *Advanced Educational Psychology*. New Delhi: Prentice Hall of India Private Limited.

Mishra, R.C. (2011). *Advanced Educational Psychology*. New Delhi: A.P.H. Publishing Corporation.

Mishra, R.C. (2011). *Educational Psychology*. New Delhi: A.P.H. Publishing Corporation.

Pandey, V.C. (2005). *Intelligence and Motivation*. Delhi: Isha Books.

Rastogi, K.G. (1983). *Educational Psychology*. Meerut: Rastogi Publications.

Sharma, Bharti (2004). *Psychological Foundations of Education*. New Delhi: Vohra Publishers & Distributors.

Sharma, R.N., & Sharma, R.K. (2006). *Advanced Educational Psychology*. New Delhi: Atlantic Publishers & Distributors.

Sharma, Yogendra K (2004). *Textbook of Educational Psychology*. New Delhi: Kanishka Publishers & Distributors.

Thompson, George G., Gardner, Eric F., & Vesta, Francis J.D. (2008). *Educational Psychology*. Delhi: Surjeet Publication.

Upadhya, Brijesh & Singh, Yogesh Kumar (2008). *Advanced Educational Psychology*. New Delhi: APH Publishing Corporation.

Wood, Samuel E & Wood, Evan Green (1999). *The World of Psychology*. USA: Allyn and Bacon.

EDN/2/CC/10
CURRICULUM DEVELOPMENT
(4 Credits)

Marks 100

Unit-I: Concept and Foundations of Curriculum

- Concept and Nature
 - Meaning, Concept and Functions of Curriculum
 - Nature of Curriculum Development
- Foundations:
 - Philosophical Foundations
 - Socio - Cultural Foundations
 - Psychological Foundations

Unit-II: Curriculum Designing

- Concept of Curriculum Design
- Emergence of Curriculum Design: Specific and Broad Level
- Types of Curriculum Design : Subject Centred, Activity - Cum - Experience Centred, D
- Differentiated and Undifferentiated

Unit-IV: Processes and Principles of Curriculum Construction

- Processes:
 - Situational Analysis
 - Selection of Objectives
 - Selection of Content and Learning Activities
 - Organisation of Content and Learning Activities
 - Evaluation
- Principles of Curriculum Construction
- Levels of Curriculum Decision Making: Academic Level, Societal Level, Formal Level, Institutional Level, Instructional Level, Operational Level, Experiential Level.
- Levels of Teachers' Participation in Curriculum Development: Imitative Maintenance, Mediative and Creative Generative

Unit-IV : Curriculum Evaluation and Change

- Curriculum Evaluation
 - Concept, Type, and Need of Curriculum Evaluation
 - Types of Curriculum Evaluation: Formative and Summative
 - Stages and Instruments of Curriculum Evaluation
 - Preparation and Evaluation of Text Book, Teachers' Handbook, Work Book and Manual
- Curriculum Change
 - Concept of Curriculum Change, Improvement and Innovations
 - Participants in Curriculum Change
 - Elements of Successful Curriculum Change
 - Factors Effecting Curriculum Change
 - Role of Students, Teachers and Educational Administrators in Curriculum Change and Improvement
 - Barriers to Introduction of Innovations in Curriculum

Suggested Readings:

Agarwal (2007). *Curriculum Development: Concept, Methods and Techniques*. Jaipur: Book Enclave

Agarwal, J.C. (2005). *Curriculum Development*. Delhi: Shipra.

Agarwal, J.C. (2005). *Curriculum Reform in India: World Overviews, Doaba World Education Series -3*. Delhi: Doab House, Book Sellers & Publishers.

Bront, Allen (1978). *Philosophical Foundations for the Curriculum*. Boston: Allen and Unwin.

Centre for Educational Research and Innovation (1975). *Handbook on Curriculum Development*. Paris: Organisation for Economic Corporation and Development.

Chandra, Anil (2003). *Basic Curriculum Theory*. Jaipur: Book Enclave.

Chandra, Arvind (1977). *Curriculum Development and Evaluation in Education*. New Delhi: Sterling Publishers Pvt. Ltd.

Dellay, A.V. (1977). *Curriculum – Theory and Practice*. New York: Harper and Row Pub., Inc.

Dewey, John (1966). *The Child and the Curriculum*. Chicago: The University of Chicago Press.

Doll, Ronald C (1986). *Curriculum Improvement; Decision Making and Process*. (6th ed.). London: Allyn & bacon, nc.

Diamond, Robert M (1989). *Designing and Improving Courses & Curricular in Higher Education: A Systematic Approach*. California: Jossey – Bass Inc. Publishers.

Ediger, Marlow (2003). *Philosophy and Curriculum*. New Delhi: Discovery Publisher.

Maimidi, M. R., & Ravishankar (Eds.). (1984). *Curriculum Development and Educational Technology*. New Delhi: Sterling Publishers Pvt. Ltd.

- Nicholas, Audrey (1978). *Developing a Curriculum*. London: George.
- NCERT (1988). *Curriculum and Evaluation*. New Delhi: NCERT.
- NCERT (1988). *National Curriculum for Elementary and Secondary Education. A Frame Work*. New Delhi: NCERT.
- Olivia, Peter F. (1988). *Developing the Curriculum*. (2nd ed.). Scott : Foresman & Co.
- Organisation for Economic Corporation and Development (1971). Paris: CERI (OECD) and University of Illinois.
- Panday, Mridula (2007). *Principles of Curriculum Development*. New Delhi: Kanishka Publishers, Distributors.
- Reddy, R.S. (2004). *Curriculum Development for Learning to Live Together*. New Delhi: Rajat Publications.
- Reddy, R.S. (2006). *Curriculum Development in Secondary Schools*. New Delhi: Common Wealth.
- Satya, Narayana P.V.V. (2004). *Curriculum Development and Management*. New Delhi: Rajat Publications.
- Saylor, J. Galen, William Alexander & Arthur, J. Lewis (1980). *Curriculum Planning for Better Teaching and Learning*. (4th ed.). New York: Hold Renhart & Winston.
- Sharma, Promila (2009). *Curriculum Development*. New Delhi: A.P.H. Publishing Corporation.
- Shrivaprakasham, M.N. (2006). *Curriculum Development in Elementary Education*. New Delhi: Rajat Publications.
- Singh, Vanita (2008). *Curriculum Development in Indian Higher Education*. New Delhi: Alfa.
- Taba, Hilda (1962). *Curriculum Development: Theory and Practice*. New York: Harcourt Brace, Jovanovich Inc.
- Taylor, Ralph W. (1974). *Basic Principles of Curriculum and Instruction*. Chicago: The University of Chicago Press.
- Trum, J. Lloyd (1973). *Secondary School Curriculum Improvement*. Boston: Allyn and Bacon Inc.
- UNESCO (1981). *Curricula & Lifelong Education*. Paris: UNESCO.
- Vashist, R.S. (1993). *Perspectives in Curriculum Development*. New Delhi: Anmol Publications Pvt. Ltd.
- Vashist, R.P. (2003). *Curriculum Development*. New Delhi: Common Wealth.
- Whecker, D.K. (1976). *Curriculum Process*. University of London Press.

EDN/2/CC/11
TEACHER EDUCATION
(4 Credits)
Marks-100
Exam Time: 3 Hours

- Unit-I : Concept and Problems of Teacher Education**
- Meaning, Scope and Objectives of Teacher Education
 - Need and Importance of Teacher Education
 - Problems of Teacher Education in India
- Unit-II : Preparation and Evaluation of Teachers**
- Preparation of Teachers for Pre-Primary, Primary, Secondary and Higher Education
 - Pre-service & In-service Education of Teachers (Concept, Need and Importance, Objectives)
 - Professional Ethics and Teachers' Accountability
 - Evaluation of Teachers
- Unit-III : Modification of Teachers' Behaviour**
- Micro teaching
 - Simulation
 - Interaction analysis
 - Team Teaching
- Unit-IV : Development of Teacher Education in India**
- University Education Commission (1948-1949)
 - Secondary Education Commission (1952-1953)
 - Education Commission (1964-1966)
 - National Policy of Education (1986)
 - Teacher Education under 5 year Plans
 - Trends and innovations in Teacher Education

Suggested Readings:

Sharma, S.R (1992). *Teacher Education in India*. New Delhi: Anmol Publication.

Panda, B.N.,and Tewari, A.D. (1997). *Teacher Education*. New Delhi: APH Publishing Corporation.

Mohanti, J (2003). *Teacher Education*. New Delhi: Deep and Deep Publications Pvt. Ltd.

Kohli, V.K. (1992). *Teacher Education in India*. Ambala city: Vivek Publishers.

Paliwal, M.R. (1985). *Teacher Education on the move*. New Delhi: Uppal Publishing House.

Sharma, R.A. (1997). *Teacher Education*. Meerut: International Publishing House.

Walia, J.S. (1995). *Teacher and Education in Indian Society*. Punjab: Paul Publishers.

Shukla, R.S. (1978). *Emerging trends in Teacher Education*. Allahabad: Chugh Publications.

Prasad, J. (2005). *Education and the Teacher*. New Delhi: Kanistika Publishers.

Dutt, Sunitee (1988). *Teachers and Education in the Emerging Indian Society*. New Delhi: NCERT.

Vasishtha, K.K. (1979). *Teacher Education in India - A Study in New Dimensions*. New Delhi: Concept Publishing Company.

Maltus, B.M. (1988). *A Handbook for the Prospective Teacher*. New Delhi: Atlantic Publishers & Distributors.

Chaurasia, Gulab (2000). *Teacher Education and Professional Organisations*. Delhi: Authors Press Publishing.

Dhand, Harry (1990). *Techniques of Teaching*. New Delhi: Ashish Publishing House.

Rao, D.B. (2001). *Teacher Education in India*. New Delhi: Discovery Publishing House.

Rajput, J.S., & Walia, K. (2002). *Teacher Education in India*. New Delhi: Sterling Publishers Pvt. Ltd.

Aggarwal, J.C. (1995). *Teacher and Education in a Developing Society*. New Delhi: Vikas Publishing House Pvt. Ltd.

Panda B.N., & Tewari, A.D. (1997). *Teacher Education*. New Delhi: APH Publishing Corporation.

Srivastama R.C., & Bose, K. (1973). *Theory and Practice of Teacher Education in India*. Allahabad: Chugh Publications.

Mohd, Sherif Khan (1983). *Teacher Education in India and Abroad*. New Delhi: Ashish Publishing House.

Mohammad N., (2004). *Professionalization of Teacher Education*. New Delhi: Mittal Publication.

Janarbar P. (2005). *Education and the Teacher*. New Delhi: Kanishka Publishers & Distributors.

Singh R.P., & Gopal Rana (2002). *Teacher Education in Turmoil*. New Delhi: Sterling Publishers Pvt. Ltd.

EDN/2/CC/12
EDUCATIONAL TESTING AND EVALUATION
(4 Credits)
Marks- 100
Exam Time: 3Hours

- Unit-I : Measurement and Evaluation Process**
- Concept and Levels of Measurement
 - Concept and Functions of Educational Evaluation
 - Types of Evaluation: Placement, Formative, Diagnostic and Summative
 - Norm Referenced and Criterion Referenced Evaluation
- Unit-II : Characteristics of a Good Measuring Instrument and Norms**
- Validity: Concept and Types of Validity
 - Reliability: Concept and Methods of Establishing Reliability
 - Relationship between Reliability and Validity
 - Objectivity
 - Norms: Meaning and Significance of Norms, Developmental Norms- Age Norms and Grade Norms, Within Group Norms – Percentile, Standard Score, Z-Score, T-Score and Stanine Score
- Unit-III : Test Construction and Recent Trends in Testing and Evaluation**
- Teacher Made and Standardised Tests
 - Writing of Test Items for Objective, Short Answer and Essay Type Tests
 - Steps Involved in the Standardization of an Achievement Test
 - Construction of Attitude Scales by Likert and Thurston Methods
 - Major Contexts of Use of Tests- Educational, Occupational, Clinical and Counseling
 - Ethical and Social Considerations in Testing
 - Continuous and Comprehensive Evaluation
 - Grading, Question Bank and Use of Computer in Evaluation

Unit-IV : Psychological Tests

- Concept of Psychological Test, Interpretation of Test Scores
- Concept, Types and Uses of Aptitude Tests
- Concept, Types and Uses of Intelligence Tests
- Concept, Types and Uses of Personality Tests
- Concept, Types and Uses of Interest Inventories

Suggested Readings:

Anastasi, A. (1976). *Psychological Testing*. (4th ed.). New York: Mc Millan Pub.Co., Inc.

Anastasi, A., & Urbina, S. (1997). *Psychological Testing*. (7th ed.). New Delhi: PHI Learning Pvt. Ltd.

Bloom, B.S., & Others (1971). *Handbook of Formative and Summative Evaluation of Student*. New York: McGraw Hill, Book Co.

Cronbach, L.J. (1970). *Essentials of Psychological Testing*. (3rd ed.). New York: Harper & Row Publishers.

Ebel, R.L., & Frisbei, D.A. (1986). *Essentials of Educational Measurement*. Prentice Hall.

Edwards, A.L. (1975). *Techniques of Attitude Scale Construction*. Bombay: Vakils, Feffer & Simons, Pvt. Ltd.

Freeman, F.S. (1976). *Theory and Practice of Psychological Testing*. (3rd ed.). New Delhi: Oxford & IBH Pub. Co.

Gronlund, N. E. (1981). *Measurement and Evaluation in Teaching*. (4th ed.). New York: Macmillan Publishing Co., Inc.

Harper (Jr), A.E. & Harper, E.S. (1990). *Preparing Objective Examination – A Handbook for Teachers, Students and Examiners*. New Delhi : Prentice Hall of India, Pvt.Ltd.

Linn, R. L. & Gronlund, N. E. (2000). *Measurement and Assessment in Teaching, (8th Ed)*, Delhi:Patparganj,Pearson Education, Inc.

Sax, G. (1974). *Principles of Educational Measurement and Evaluation*. California : Woodworth Publishing.

Singh (ed). (1990). *Criterion – Referenced Measurement (Selected Readings)*. New Delhi : NCERT.

Tenbrink, T.D. (1974). *Evaluation – A Practical Guide for Teachers*. New York : McGraw Hill, Book Company.

Thorndike, R.L. & Hagen, E.P. (1977). *Measurement and Evaluation in Psychology and Education, (4th Ed)*. New York : John Wiley and Sons.

Tuckman, B.W. (1975). *Measuring Educational Outcome : Fundamentals of Testing*. New York : Harcourt Brace, Jovanovich.

EDN/2/CC/13
EARLY CHILDHOOD EDUCATION
(4 Credits)

Marks- 100
Exam Time:3 Hours

Unit-I : Introduction to Early Childhood Education

- Concept, Need and Objectives of Early Childhood Education
- Brief History of Development of Early Childhood Education in India and Its Status in Five Year Plans
- Contributions of Philosophers and Educationists to Early Childhood Education:
 - Jean Jacques Rousseau
 - F.W. August Froebel
 - Maria Montessori
 - Gijubhai Bhadaka
 - Tarabai Modak

Unit-II : Developmental Objectives and Activities

- Physical and Motor Development
- Language Development
- Social Development
- Emotional Development

- Cognitive Development
- Development of Creative Expression and Aesthetic Appreciation

Unit-III : Programmes for Early Childhood Education

- Planning of Early Childhood Education Programmes: Principles of Planning, Long Term and Short Term Planning
- Readiness Programmes for Reading, Writing and Arithmetic
- Methods of Transaction of Early Childhood Education Programmes: Story Telling, Games and Play, Drawing, Painting, Clay Modelling, Nature Study
- Evaluation of Early Childhood Education Programmes
- Teacher Education for Early Childhood Education in India
- History, Types of Education /Training, Admission Eligibility Criteria, and Curriculum,
- Training of other ECCE Personnel

Unit-IV : Organisations and Recommendations on Early Childhood Education

- National Organizations and Their Contributions to ECE:
 - IAPE, ICCW, CSWB and NIPCCD
- International Organizations and Their Contributions to ECE:
 - UNICEF, UNESCO, WHO and CARE
- Recommendations of NPE 1986, Revised NPE 1992 and Yash Pal Committee on ECE

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Suggested Readings :

Aggarwal, J.C. (2009). *Early Childhood Care and Education*. New Delhi: Neha Publishers & Distributors.

Aggarwal J.C. (1990). *Methods and Materials of Nursery Education*. Delhi: Doaba House.

Day, Barbara (1983). *Childhood Education: Organizing Learning Activities*. New York: Mac Millan.

Grewal J.S. (1984). *Early Childhood Education*. Agra: National Psychological Corporation.

Kaul, V. (1991). *Early Childhood Education*. New Delhi: NCERT.

Kaul, V., & Bhatnagar, R. (1992). *Early Childhood Education - A Trainer`s Handbook*. New Delhi: NCERT.

Mohanty, J., & Mohanty, B. (1994). *Early Childhood Care and Education (ECCE)*. New Delhi: Deep & Deep Publications.

Muralidharan, R.,& Asthana, S. (1991). *Stimulation Activities for Young Children*. New Delhi: NCERT.

Muralidharan, R., & Banerji, U. (1969). *A Guide for Nursery School Teachers*. Delhi: NCERT.

Pankajam, G. (1994). *Pre - School Education: Philosophy and Practice*. Ambala Cantt: The Indian Publications

Pankajam, G. (2005). *Pre – Primary Education: Philosophy and Practice*. New Delhi: Concept Publishing Company

Rao, V.K. (2004). *Early Childhood Care and Education*. New Delhi: Common Wealth Publications.

Shukla, R.P. (2008 reprint) *Early Childhood Care and Education*. New Delhi: Sarup and Sons.

Singh, B. (1997). *Pre-school Education*. New Delhi: APH Publications.

Swaminathan, M. (1991). *Play Activities for Young Children*. New Delhi: UNICEF.

EDN/2/OE/14
HUMAN RIGHTS EDUCATION
(2 Credits)
Marks- 50
Exam Time: 2 Hours

Unit-I: Human Rights and Human Rights Education

- Human Rights- Concept, Genesis, and History
- Aims and Objectives of Human Rights Education
- Need and Importance of Human Rights Education
- Principles of Human Rights Education
- Human Rights Education at School Levels - Elementary , Secondary and Higher Secondary
- Indian Constitution and Human Rights
- National Human Rights Commission
- Protection of Human Rights Act, 1993

Unit-II: Transaction of Human Rights

- Exploring the human rights environment
- Improving the human rights environment
- Role of teacher in human rights
- Problems faced by teachers in teaching of human rights and their solutions

- Methods of Teaching Human Rights - Drama and Role Play, Brainstorming, Lecture, Discussion, Seminars and Workshops, and Projects
- Co-Curricular Activities for Human Rights Education- Visits to Orphanage and Old age home, Celebration of International Days, Collecting documents on human rights, displaying human rights materials on bulletin board and organizing debate

Suggested Readings:

Aggarwal, J.C. (2005). *Values, Education for Environment and Human Rights*. Delhi: Shipra Publication.

Andreopoulos, George J., & Richard, Pierre Claude (Eds.). (1997). *Human Rights Education for the Twenty-First Century*. Philadelphia, Pennsylvania: University of, Pennsylvania Press.

Chand, Jagadish (2007). *Values, Education for Human Rights*. Delhi: Anshah Publishing House.

Chandra, Puran (2010). *Fundamentals of Human Rights Education and Training*. Delhi: Swastik Publications.

Chandra, Ashish (2000). *Humans Activism and Role of NGOs*. New Delhi: Rajat.

Cook, Rebecca (1994). *Human Rights of Women, National and International Perspectives*. Philadelphia: University of Pennsylvania Press.

Donnelly, Jack (1989). *Universal Human Rights in Theory and Practice*. New York: Cornell University Press

Georgi, Viola B., & Michael, Sebarich (Eds.). (2004). *International Perspectives in Human Rights Education*. Gutersloh: Bertelsmann Foundation Publishers.

Goet, Aruna & Goel, S.L. (2005). *Human Values and Education*. New Delhi: Deep & Deep Publication.

Mohanty, Jaganath (2003). *Human Rights Education*. New Delhi: Deep & Deep Publication.

Naseema, C. (2002). *Human Rights Education- Conceptual and Pedagogical*. New Delhi: Kanishka Publishers & Distributors.

Shah, G. et al., (2005). *Human Rights: Free and Equal*. New Delhi: Anmol.

Sharma, Y.K. (2007). *Education for Values, Environment and Human Rights*. New Delhi: Deep & Deep Publication.

Singh, Arunkumar (2002). *Human Rights and Human Rights Education*. Itanagar: Dr. B.B. Pandey Himalayan Publishers.

Tarrow, Norma Bernstein (Eds.). (1987). *Human Rights and Education*. New York: Pergama Press Oxford.

UNESCO (1997). *The Human Rights to Peace. Declaration by the Director- General*. Paris France: UNESCO.

Vadkar, Praveen (2000). *Concepts, Theories and Practice of Human Rights*. New Delhi: Rajat
<http://www.unesco.org/cpp>
www.humanrights.com
<http://www.hurights.or.jp>

SEMESTER-III

EDN/3/CC/15

EDUCATION OF THE BACKWARD CHILDREN

(3 CREDITS)

Marks- 75

Exam Time:2 Hours & 30 Minutes

Unit-I : Special Education

- Concept of Exceptionality; Positive and Negative Deviations
- History of Special Education with special reference to India
- Recommendations of PWD Act 1995
- Role of National Institutes and Rehabilitation Council of India (RCI)

Unit-II : Education of the Physically Disabled

- Characteristics, Identification, Causes, and Education of Children with different types of Physical Disabilities: Visual Impairment, Hearing Impairment, Speech Defective and Orthopedically Handicapped

Unit-III : Education of Mentally Retarded

- Concept and Causes of Mental Retardation
- Types of Mentally Retarded Children
- Teaching the Educable Mentally Retarded Children: Role of Teachers
- Learning Disability: concept, Types and Education

Suggested Readings:

Bruer, A.M., & Shea, M. (1989). *Teaching Exceptional Students in your Classroom*. London: Allyn and Bacon.

Bhatt, B.D., & Sharma, S.R. (1994). *Education of the Gifted and Talented Children*. Delhi: Kanishka Publishing House.

Bhargava, Mahesh (1994). *Introduction to Exceptional Children, Their Nature & Educational Provisions*. New Delhi: Sterling Publishers Private Limited.

Blair, G.M. (1980). *Diagnostic and Remedial Teaching*.

Chauhan, S.S. (1989). *Education of Exceptional Children*. New Delhi: Indus Publishing Company.

Cruick Shank, M.M., & Johnson (Ed.). (1975). *Education of Exceptional Children and Youth*. London: Mc Graw.

Dash, B.N. (1992). *Education of Exceptional Children*. Delhi: Ajanta Prakashan.

Dash, Neena. & Dash, M. (2005). *Essentials of Exceptionality and Special Education*. New Delhi: Atlantic Publishers & Distributors.

Davis, Gary.A., & Rimm, Sylvia B. (1985). *Education of the Gifted and Talented*. (3rd ed.). Boston: Allyn and Bacon.

Desmukh (1988). *Creativity in Classrooms*. New Delhi: Prentice Hall.

Dhawan, M.L. (2005). *Learners with Special Needs*. Delhi: Isha Books.

Dunn, Lloyd M (1963). *Exceptional Children in the Schools' Holt*. New York: Rinehart and Winston, Inc.

Gargiulo, Richard M (2009). *Special Education in contemporary Society*. Sage Publications, Inc.

Gearheart, B.R. (1972). *Education of the Exceptional Child History. Practices and Trends*

Heck, A.O. (1953). *The Education of the Exceptional Children*. New York: Mc Graw Hill.

- Heward, William L. & Orlansky, Michael D. (1992). *Exceptional Children – An Introductory Survey of Special Education*. (4th ed.). New York: An imprint of Mac Millan Publishing Company.
- Herowitz & Brien (Eds.). (1985). *The Gifted and Talented, Developmental Perspectives*. Washington.
- Kar, Chintamani (1994). *Exceptional Children – Their Psychology and Education*. New Delhi: Sterling Publishers Private Limited.
- Kaur, Rajpal (2005). *Special Education, New Trends and Innovations*. New Delhi: Deep & Deep Publications Pvt. Ltd.
- Kirk, S. (1970). *Educating Exceptional Children*. New Delhi: Oxford & IBH Publishing Co.
- Kirk, S. & Gallagher (1979). *Education of the Exceptional Children*. New Delhi: Oxford IBH.
- Lindsay, M. (1980). *Training Teachers of the Gifted and Talented*. New York: Teachers College Press.
- Maitra, Krishna. (1993). *Gifted and Talented – A Developmental Perspective*. New Delhi: Discovery Publishing House.
- Mohanty, Jagannath & Mohanty, Jayasree (2004). *Deaf and Dumb Education – New Trends and Innovations*. New Delhi: Deep and Deep Publications Pvt. Ltd.
- Narang, S.K. (1994). *The Bright and their Education*. Delhi: Prime Publishers.
- Panda, K.C. (2005). *Disadvantaged Children – Theory, Research and Educational Perspectives*. New Delhi: Mittal Publications.
- Panda, K.C. (1997). *Education of Exceptional Children*. New Delhi: Indus Publishing House Pvt. Ltd.
- Prasad, S.B. (2004). *Special Education*. Jaipur: Mrs Shah Jain, Pointer Publisher, The Diamond Printing Press.
- Reddy, L.G. Ramar, R., & Kusuma, A. (2000). *Education of Children with Special Needs*. New Delhi : Discovery Publication House.
- Schwartz, L.L. (1994). *Why Give Gifts to the Gifted ? – Investing in a National Resource*. California: Crowin Press, Inc.
- Sharma, K.N. (1979). *Dynamics of Creativity*. Agra: National Psychological Corporation.
- Smith, R.M. *An Introduction to Mental Retardation*.
- Sympton & Lucking (1960). *Education of the Gifted*. New York: Ronald Press.
- Taneja, C.B. (2005). *Importance and Need for Special Education*. Jaipur: ABD Publishers.
- Torrance, E.P. (1962). *Guiding Creative Talent*. Englewood Cliffs: Prentice Hall.

Torrance and Myers (1970). *Creative Learning and Teaching*. New York: Dodd Mead.

Tripati, S.N. (1996). *Talent and Creativity*. Agra: National Psychological Corporation.

Ysseldyke, James E., & Algozzine, Bob. (1976). *Special Education – A Practical Approach for Teachers*. New Delhi: Kanishka Publishers & Distributors

EDN/3/CC/16

**EDUCATIONAL PLANNING AND MANAGEMENT
(3 Credits)**

Marks- 75

Exam Time: 2 Hours & 30 Minutes

Unit-I : Introduction to Educational Planning and Management

- *Educational Planning*: Concept, Process, Goals and Types
- Approaches to Educational Planning: Social Demand Approach, Social Justice Approach, Rate of Return Approach and Man-power Planning Approach
- Institutional Planning
- Process of Educational Planning in India at State and National Level

- *Educational Management: Concept, Scope and Principles of Management*
- Aspects of Educational Management: Planning, Organization, Supervision, Finance, Innovations, Change, Decision Making and Evaluation
- Types of Educational Management: Centralized vs. Decentralised, Bureaucrats vs. Technocrats, Autocratic vs. Democratic

Unit-II : Personnel Management and Educational Supervision

- Meaning and Scope of Personnel Administration in Educational Organisations
- Professional Growth of Educational Personnel: Concept, Strategies of Professional Growth of Teachers and Educational Managers
- Evaluation of Professional Growth
- 360 Degree Performance Appraisal
- *Leadership: Concept, Styles, Theories and Leadership Development in Educational Organisations*
- *Conflicts: Concept, Nature, Types and Strategies for Conflict Management*
- Educational Supervision: Concept, Nature, Scope and Principles
- Functions of Supervision
- Supervisory Procedures

Unit-III : Management of Change in Educational Organisations

- Concept, Nature, Types and Characteristics of Educational Organisations
- Process of Organisational Change
- Organisation as Change Agents
- Management Techniques: Significance
- SWOT Analysis
- Planning Programming and Budgeting systems (PPBS)
- Systems Approach : Concept and its Application for the Management of Educational Organisations
- Total Quality Management: Concept, Principles and Techniques of TQM in Educational Organisations.

Suggested Readings:

AIEPA (1971). *Modern Management Techniques in Educational Administration*. New Delhi: Asian Institute of Ed. Planning and Administration.

Ananda, W.P. Gurugo (1984). *General Principles of Management for Educational Planners and Administrators*. Paris: UNESCO.

Bhagia, H.M. et al., (1990). *Educational Administration in India and other Developing Countries*. New Delhi: Common Wealth Publications.

Hostrop, R.W. (1975). *Managing Education for Results*. ETC Publications.

Meredydd Huges et al., (Eds.). (1985). *Managing Education*. Holt Rinehart.

NEIPA (1986). *Educational Management in India*. New Delhi: NIEPA.

Singhal, R.P. et al., (1986). *School Inspection System.A Modern Approach*.Vikas Publishing House.

Tanner, D., &Lawrel, T. (1987).*Supervision in Education Problems and Practices*.New York: Macmillian Publication Co.

Thomas, J. (1987). *Educational Governance and Administration*.Prentice Hall

EDN/3/CC/17

PEDAGOGY

(3 Credits)

Marks- 75

Exam Time: 2 Hours & 30 Minutes

Unit-I : Pedagogical Aspects and Levels of Teaching

- Nature of teaching
- Factors affecting teaching
- Principles and Maxims of teaching

Unit-II - Levels and skills of teaching

- Levels of Teaching: Memory, Understanding and Reflective – Concepts, merits and limitations

- Teaching skills: Importance and types

Unit-III : Phases of teaching and Teacher Qualities

- Phases of Teaching: Pre-active, Inter-active and Post-active
- Qualities of an Ideal Teacher
- Teacher as Mentor, Counselor and Researcher

Suggested Readings:

Aggarwal J.C. (2001). *Essentials of Educational Technology: Teaching Learning Innovations in Education*. New Delhi: Vikas Publishing House Pvt. Ltd.

Bhatia, R.L., & Ahuja, B.N. (2004). *Educational Technology*. Delhi: Surjeet Publication.

Canestrari, Alan S (2010). *Educational Foundations*. London: Sage Publications.

Clarke, Prema (2001). *Teaching and Learning*. New Delhi: Sage Publications.

Hewitt, Edwin C (2005). *A Treatise on Pedagogy*. New Delhi: Cosmo Publications.

Hewitt, Edwin C (2005). *A Treatise on Pedagogy for Young Teachers*. Dominant Publications.

Mangal,S.K. (2001). *Educational Technology*. Ludhiana: Tandon Publications.

Prabhu, N.S. (1991). *Second Language Pedagogy*. Oxford: ELBS Publications.

Rao, V.K. (2003). *Educational Technology*. New Delhi: APH Publishing Corporation.

Retallack, Joan (2006). *Poetry and Pedagogy*. New York: Macmillian Publications.

Ruhela, S.P. (2002). *Educational Technology*. Delhi: Indian Publishers & Distributors.

Saxena, N.R.Swarup & Oberoi, Dr. S.C. (1996). *Technology of Teaching*. Meerut: Surya Publication.

Sharma, Dr. R.A. (2007). *Curriculum Development and Instruction*. Meerut: R. Lal Book Depot.

Sharma, Ram Nath & Chandra, S.S. (2004). *Advanced Educational Tecnology*. Delhi: Atlantic Publishers & Distributors.

Sharma, R.A. (1991). *Technology of Teaching*. Meerut: International Publishing House.

Srivastava, H.S. (2006). *Curriculum and Methods of Teaching*. Shipra Publication.

EDN/3/CC/18
EDUCATIONAL THOUGHT
(3 Credits)
Marks- 75
Exam Time:2 Hours & 30 Minutes

Unit-I : Idealistic and Realistic Thinkers

a) Idealists Thinkers

- Socrates
- Plato
- Swami Vivekananda

b) Realistic Thinkers

- Comenius
- Whitehead
- Russell

Unit-III : Naturalistic and Pragmatic Thinkers

a) Naturalistic Pragmatic Thinkers

- Aristotle
- Herbert Spencer
- Rousseau

b) Pragmatic Thinkers

- William James
- John Dewey
- Kilpatrick

Unit-III : Modern Thinkers

- Sri Aurobindo
- J. Krishnamurti
- Wittgenstein

Suggested Readings:

Chopra, R.K. (2006). *A Comprehensive History of World Educational Thought*. New Delhi: Arise Publisher.

Gupta, N.L. (2001). *Encyclopaedia of Modern Educational Thought*. New Delhi: Anmol Publishers & Distributors.

Khanna, C.P. (Ed.) (1990). *Educational Thought and Philosophy of Great Men*. New Delhi: Siddharth.

Nayar, R.C. (2005). *Educational Thought*. New Delhi: Dominant Publishers & Distributors.

Pandey, R.S. (2006). *Educational Thoughts*. Delhi: Adhyayan Publishers & Distributors.

Pandey, R.S. (1991). *A Survey of Educational Thought*. Allahabad: Horizon Publishers & Distributors.

Pflug, B. (2000). *The Modern Condition of Educational Thought*. New Delhi: Gyan Publishing Company.

Prakash, O. (2001). *Thoughts on Education*. Jaipur: RBSA.

Sharma, A.P. (1997). *Development of Western Educational Thoughts*. New Delhi: Concept Publishing Company.

Taneja, V.R. (2008). *Educational Thought and Practice*. New Delhi: Sterling Publishers Pvt. Ltd.

Ulich, R. (2002). *History of Educational Thought*. Delhi: Surjeet Publication.

EDN/3/SC/19 A
EDUCATIONAL AND VOCATIONAL GUIDANCE
(4 Credits)
Marks- 100
Exam Time: 3 Hours

Unit-I: Introduction to Guidance

- Concept, Types, Scope of Guidance
- Need and Importance of Guidance
- Evolution of Guidance Movement in India
- Principles of Guidance

Unit-II: Educational and Vocational Guidance

- Nature, Scope and Functions of Educational Guidance
- Educational Guidance at various Stages of Education

- Meaning and Needs of Vocational Guidance
- Stages of Vocational Development

Unit-III: Counseling

- Concept, Characteristics and Principles of Counseling
- Approaches to Counseling – Directive, Non-Directive and Eclectic
- Role and Functions of Counselor, Career Master
- Uses of Tests and Techniques in Guidance and Counseling
- Preparation of Cumulative Record

Unit-IV: Guidance Services

- The Information Service
- The Counseling Service
- The Placement Service
- The Remedial Service
- The Follow-up Service

Unit-V : Job Analysis

- Importance and Methods of Job Analysis
- Uses and Limitations
- Factors Affecting Job Satisfaction

Suggested Readings:

Alam, Shah (2008). *Basics of Guidance and Counselling*. New Delhi: Global Vision Publishing House.

Anastasi, Anne (1982). *Psychological Testing*. New York, London: The Mc Millan Co.

Bhatnagar, R.P., & Rani, Seema (2003). *Guidance and Counselling in Education and Psychology*. Meerut.

Chibber, S.K. (2004). *Guidance and Educational Counselling*. New Delhi: Common Wealth Publishers.

Cronbach, Lee J (1960). *Essentials of Psychological Testing*. London: Harper and Row.

Crow, L.D., & Crow, A. (2009). *Introduction to Guidance*. Delhi: Surjeet Publications.

Gupta, Sarla (2001). *Career and Counselling Education*. Delhi: Kalpaz Publications.

Kochhar , S.K. (1984). *Educational and Vocational Guidance in Secondary Schools* (Revised and enlarged Edition). New Delhi: Sterling Publishers Pvt. Ltd.

Laksmi, K.S. (2000). *Encyclopaedia of Guidance and Counselling*. New Delhi: Metal Publications.

Nayak, A.K. (1997). *Guidance and Counselling*. New Delhi: APH Publishing Corporation.

Panday,V.C. (2008). *Educational Guidance and Counselling*. Delhi: Isha Books.

- Pasricha, Prem (1976). *Guidance and Counselling in Indian Education*. New Delhi: NCERT.
- Pasricha, Prem & Screck, Thomas C (1964). *A Handbook for Developing Guidance Services in Secondary Schools*. Baroda: M.S. University.
- Phulia, S.S. (2007). *Introduction to Vocational Guidance*. New Delhi: Shrisai Printographers.
- Sharma, R.A. (2001). *Fundamentals of Guidance and Counselling*. Meerut: R. Lall Book Depot.
- Sharma, R.N., & Sharma, R. (2004). *Guidance and Counselling in India*. New Delhi: Atlantic Publishers & Distributors.
- Sharma, Sita Ram (2005). *Guidance and Counselling An Introduction*. New Delhi: Shri Saiprintographers.
- Shrivastava (2003). *Principles of Guidance and Counselling*. New Delhi: Kanishka Publishers & Distributors.
- Singh, Raj (2005). *Educational and Vocational Guidance*. New Delhi: Common Wealth.
- Singh, Yogesh Kumar (2009). *Guidance and Career Counselling*. New Delhi: APH Publishing Corporation.
- Jones, J.A. (1970). *Principles of Guidance*. Bombay: McGraw Hill.
- Vanghan, T.D. (1970). *Education and Vocational Guidance Today*. London: Routledge and Kegar Paul.
- Williamson, E.G. (1961). *Student Personnel Services in Colleges and Universities*. New York: Mc Crow Hill Book, Co. Inc.

EDN/3/SC/19B
VALUE EDUCATION
(4 Credits)
Marks- 100
Exam Time:3 Hours

- Unit-I : Value Education: A Conceptual Understanding**
- Concept and Types of Values
 - Need and Importance of Values
 - Objectives of Value Education
 - Traditional and Modern Values
 - Value Crisis in Modern World
- Unit-II : Inculcation of Values**
- Value Loaded and Value Oriented Education

- Approaches and Methods/Strategies for Promotion/Inculcation of Values
- Role of Various Family, Community and Educational Institutions in Inculcation of Values

Suggested Readings:

Bhattcharya, S (2006). *Foundation of Education*. New Delhi: Atlantic Publishers & Distributors.

Chandra, S.S. & Sharma, R.K. (2004). *Principles of Education*. New Delhi: Atlantic Publishers & Distributors.

Chilana, M.R. & Dewan, M.L. (2002 Rpt). *The Human Values – A task for All*. New Delhi : Concept Publishing Company.

Gupta, N.L. (2002 Rpt). *Human Value in Education*. New Delhi : Concept Publishing Company.

Kalra, R.M. (2003). *Value-Oriented Education in Schools – Theory and Practice*. New Delhi : Shipra Publications.

Purkait, B.R. (2008 Rpt). *Principles and Practices of Education*. Kolkata : New Central Book Agency.

Reddy, K.V. (2002). *Changing Attitudes to Education in India*. New Delhi : Atlantic Publishers & Distributors.

Taneja, V.R. (2005). *Socio-Philosophical Approach to Education*. New Delhi : Atlantic Publishers & Distributors.

EDN/3/SC/20A
EDUCATIONAL TECHNOLOGY
(4 Credits)
Marks- 100
Exam Time:3 Hours

Unit-I : Introduction to Educational Technology

- Meaning, Nature and Scope of Educational Technology
- Approaches to Educational Technology – Software, Hardware and Systems Approach
- Educational Technology and Instructional Technology

Unit-II : Communication Process

- Meaning and Nature of Communication

- Types of Communication – Verbal and Non-Verbal
- Factors Affecting Classroom Communication
- Obstacles/Barriers to Effective Communication
- Teleconferencing, CCTV and INSAT in the Educational System

Unit-III : Models of Teaching

- Concept of Models of Teaching
- Essential Elements of the following Teaching Models
 - (a) Social Interaction Models (Role Play)
 - (b) Information Processing Models (Inquiry Training)
 - (c) Personal Models (Non-Directive Teaching)
 - (d) Behavioural Systems (Learning Self-Control)

Unit-IV : Programmed Learning and Computers in Education

- Origin and Basic Principles of Programmed Learning
- Different Styles of Programmed Learning – Linear, Branching and Mathematics
- Development of Programmed Learning Materials
- Computer Aided Instruction

Unit-V : Distance Education and Emerging Trends in Educational Technology

- Concept, Need and Importance of Distance Education
- Approaches in Course Development
- IGNOU and National Open Schools (NOS): Their Activities in Teaching-Learning
- Uses of Videotape and Teleconferencing in Teaching-Learning

Suggested Readings:

Bajpal, A.D., & Leedham, J.F. (1970). *Aspects of Educational Technology, (Part IV)*. New York: Pitman Pub.

Balaguruswamy, E., & Sharma, K.D. *Computers in Education and Training*.

Berlo, D.K. *The Process of Communication*.

Bloom, B.S. (1974). *Taxonomy of Educational Objectives; Handbook 1, Cognitive Domain*. London: Longman Group Ltd.

Chauhan, S.S. (1978). *A Textbook of Programmed Instruction*. New Delhi: Sterling Publishers Pvt. Ltd.

Deceeco, J.P. *Educational Technology Readings in Programmed Instruction*.

Deceeco, J.P. (1970). *The Psychology of Learning and Instructional Technology*. New Delhi: Prentice-Hall of India, Private Limited.

Flanders, N. (1971). *Analysing Teaching Behaviour*. London: Addison - Wesley Pub. Co.

Jose, Chander N (1991). *Management of Distance Education*. London: Sterling Publishers Pvt. Ltd.

Joyce, B., & Weil, M. (1974). *Models of Teaching*. (4th ed.). London: Prentice Hall of India Pvt. Ltd.

Sampath, K. *Instruction to Educational Technology*.

Sharma, R.A. (1982). *Programmed Instruction; an Instructional Technology*. Meerut: International Publishing House.

Sharma, R.A. (1991). *Technology of Teaching*. Meerut: International Publishing House.

Skinner, B.F. (1968). *The Technology of Teaching*. New York: Appleton Century- Croft.

Thiagara, Jan R (1984). *Computers for Beginners*. New Delhi: Sterling Publishers, Ltd.

EDN/3/SC/20B
HISTORY OF INDIAN EDUCATION
(4 Credits)
Marks- 100
Exam Time: 3 Hours

Unit-I: Education in Ancient India

- Vedic Period
- Post-Vedic Period (Upanishad Age)
- Brahmanical System

- Buddhist Period
- Ancient Centres of Learning

Unit-II: Education in Medieval India

- Islamic Education
- Islamic Centres of Learning
- Growth of Muslim Education in the Sultanate Period
- Growth of Education under the Mughals

Unit-III: Education in British India

- Earlier Missionary and Non-Missionary Efforts in the Development of Education
- Controversy between the Orientalists and Anglicists on Education
- Brief Overview of Progress of Education:
 - Wood's Despatch of 1854
 - Hunter Commission, 1882
 - Curzon's Educational Policy
 - Gokhale's Resolution on Indian Education (1911 and 1913)
 - Hartog Committee Report, 1929
 - Wardha Scheme of Education, 1937
 - Sargent Report, 1944

Unit-IV: Education in Post Independent India

- University Education Commission (1948-49)
- Secondary Education Commission (1952-53)
- Education Commission (1964-66)
- National Policy on Education, 1986
- Revised National Policy on Education, 1992
- Yashpal Committee Report on Learning Without Burden, 1992-93
- National Knowledge Commission Report on School Education and Higher Education, 2005-2008

Suggested Readings:

Bakshi, S.R., & Mahajan, L. (Eds.). (2000). *Education in Ancient India*. New Delhi: Deep & Deep Publication Pvt. Ltd.

Biswas, A., & Agrawal, S.P. (1986). *Development of Education in India*. New Delhi: Concept Publishing Company.

Dash, B.N. (2010). *Development of Educational System in India*. New Delhi: Gyan Publishing Company.

Dash, B.N. (2003). *History of Education in India Vol I & 2*. New Delhi: Dominant Publishers & Distributors.

Ghost, Suresh C. (2007). *History of Education in India*. New Delhi: Rawat Publications.

Jayapalan, N. (2005). *History of Indian Education*. New Delhi: Atlantic Publisher & Distributor.

Kaur, Harpeet (2008). *Development of Education in India*. New Delhi: Gyan Publishing Company.

- Pawar, N.G. (2004). *Development of Educational System in India*. Jaipur: Book Enclave.
- Rather, A.R. (2004) *Development of Education System in India*. New Delhi: Discovery Publisher.
- Rawat, P.L. (1963). *History of Indian Education*. (3rd ed.). Ram Prasad.
- Saini, S.K. (1980). *Development of Education in India*. New Delhi: Cosmo Publishing Company.
- Singh, V. (2005). *Development of Education in India*. New Delhi: Akansha Publishing Company.
- Singh, Y.K., & Nath, R. (2005). *History of Indian Education System*. New Delhi: APH Publishing Corporation.
- Sharma, B. (2004). *History of Indian Education*. New Delhi: Vohra Publisher & Distributor.
- Sharma, R.N., & Sharma, R.K. (2000). *History of Education in India*. New Delhi: Atlantic Publishers & Distributors.
- Sharma, R.N. (2007). *History of Indian Education*. New Delhi: Shubhi Publication.

EDN/3/OE/21
PEACE EDUCATION
(2 Credits)
Marks- 50
Exam Time:3 Hours

Unit-I: Nature of Man and Peace Education

- Basic nature of man
- Similarities and diversities among human beings
- Evolution and organization of human society

- Relation of man with society
- Causes of wars and their Consequences
- Peace- concept, need and importance of peace in Human life
- Peace Education- concept, need and importance
- Aims and objectives of peace Education
- Learning to Live Together
- Role of education in world peace

Unit-II: Conflicts and their Resolutions

- Conflicts- concept and types
- Bases of Conflicts
- Positive and Negative aspects of Conflicts (Impacts of Conflicts)
- Conflict Management Strategies
- Human Rights, Preservation of Ecology, Population Control
- Economic Exploitation, Deprivation, Equitable Economic World Order
- Non-Aligned Movement, Campaign for Nuclear Disarmament
- Role of World Organizations in promoting peace

Suggested Readings:

Adams, D. (Ed.). (1997). *UNESCO and A Culture of Peace, Promoting A Global Movement*. Paris: UNESCO Publication.

Amnesty International (2007). *The State of World's Human Rights*. UK: Amnesty International Report.

Aggarwal, J. C. (2005). *Education for Values, Environment and Human Rights*. New Delhi: Shipra Publication.

AIU (2000). *Value Education in India*. New Delhi: AIU.

Allport, G. (1979). *The Nature of Prejudice, Unabridged*. (25th ed.). Reading, MA: Perseus Books.

Cattell, R.S. (1965). *The Scientific Analysis of Personality*. Pelican.

Chand, J. (2007). *Value Education*. Delhi: Anshah Publishing House.

Chadha, S. C. (2008). *Education Value & Value Education*. Meerut: R. Lall Books Depot.

Delors, Jacques (1996). *Learning the Treasure Within: Report to UNESCO of the International Commission on Education for the 21st Century*. France: UNESCO Publication.

Diwahaar, R. R., & Agarwal, M. (Ed). (1984). *Peace Education*. New Delhi: Gandhi Marg.

Girard, K. (1995). *Preparing Teachers for Conflict Resolution in the Schools*. Washington, DC: ERIC Clearinghouse on Teaching and Teacher Education.

GOI (1986 &1992). *National Policy on Education, 1986 (Modifications made in 1992)*. New Delhi : MHRD.

GOI (1986 & 1992). *Programme on Action, 1986 & 1992*. New Delhi: MHRD.

Jagannath, M. (2005). *Teaching of Moral Values Development*. New Delhi: Deep and Deep Publication.

Johan, G. (1996). *Peace by Peaceful Means*. New Delhi: Sage Publication.

- Kumar, M. (Ed.). (1994). *Non-violence, Contemporary Issues and Challenges*. New Delhi: Gandhi Peace Foundation.
- Morrison, M. L. (2003). *Peace Education*. Australia: McFarland.
- NCERT (2004). *Peace Education-Self Instructional Package for Teacher Educators*. New Delhi.
- NCERT (2005). *National Curriculum Framework*. New Delhi: NCERT.
- NCERT (2006). *National Curriculum Framework, Position Paper National Focus Group on Education for Peace*. New Delhi: NCERT.
- Passi, B. K., & Singh, P. (1999). *Value Education*. Agra: Agra Psychological Corporation.
- Pillai, K.S. (1991). *Relevance of Peace Education*. Ambala Cantt: The Associated Publishers.
- Prasad, S. N., & Sukla, S. (Eds.). (1996). *Disarmament Education and Peace*. Ambala Cantt: The Associated Publishers.
- Reardon, B. (1989). *Comprehensive Peace Education*. New York: Teachers College Press.
- Ruhela, S. P. (1986). *Human Values and Education*. New Delhi: Sterling Publishing.
- Salomon, G., & Nevo, B. (2002). *Peace Education: The Concept, Principles, and Practices around the World*. London: Lawrence Erlbaum Associates.
- Sharma, R. A. (2008). *Human Value of Education*. Meerut: R. Lall Books Depot.
- Shukla, R. P. (2004). *Value Education and Human Rights*. New Delhi: Sarup and Sons.
- Singh, Y. K., & Natha, R. (2008). *Value Education*. New Delhi: APH Publishing Corporation.
- Singh, Y. K. (2009). *Value Education*. New Delhi: APH Publishing Corporation.
- Subramanian, K. (1990). *Value Education*. Madurai: Ravana Publication.
- UNESCO (1999). *Teacher Education for Peace and International Understanding, Seminar Report (NIEER)*. Tokyo, Japan.
- Venkataiah, N. (1998). *Value Education*. New Delhi: APH Publishing Corporation.
- Venkataiah (2009). *Value Education*. New Delhi: APH Publishing Corporation.
- http://www.ncert.nic.in/html/education_peace.htmw

SEMESTER-IV

EDUCATION OF THE GIFTED CHILDREN
(3 Credits)
Marks:75
Exam Time: 2 Hour &30 Minutes

Unit 1: Giftedness

- Concept of Giftedness
- Characteristics and Identification of Gifted
- Social, Emotional and Educational Problems of the Gifted
- Educational Practices & Approaches: Grouping, Acceleration, Enrichment – Merits & Limitations

Unit-II: Education of the Creative

- Creativity: Nature, characteristics and Components
- Identification of Creative Children
- Factors Fostering Creativity
- Classroom Conditions for Nurturing and Stimulating Creativity

Unit – III: Bright under achievers

- Concept and characteristics of bright underachievers
- Causes and identification of bright under achievers
- Remedial Programmes for Bright Under Achievers

- Suggested Readings:

- Bruer, A.M., & Shea, M. (1989). *Teaching Exceptional Students in your Classroom*. London: Allyn and Bacon.
- Bhatt, B.D., & Sharma, S.R. (1994). *Education of the Gifted and Talented Children*. Delhi: Kanishka Publishing House.
- Bhargava, Mahesh (1994). *Introduction to Exceptional Children, Their Nature & Educational Provisions*. New Delhi: Sterling Publishers Private Limited.
- Blair, G.M. (1980). *Diagnostic and Remedial Teaching*.
- Chauhan, S.S. (1989). *Education of Exceptional Children*. New Delhi: Indus Publishing Company.
- Cruick Shank, M.M., & Johnson (Ed.). (1975). *Education of Exceptional Children and Youth*. London: Mc Graw.
- Dash, B.N. (1992). *Education of Exceptional Children*. Delhi: Ajanta Prakashan.
- Dash, Neena. & Dash, M. (2005). *Essentials of Exceptionality and Special Education*. New Delhi: Atlantic Publishers & Distributors.
- Davis, Gary.A., & Rimm, Sylvia B. (1985). *Education of the Gifted and Talented*. (3rd ed.). Boston: Allyn and Bacon.
- Desmukh (1988). *Creativity in Classrooms*. New Delhi: Prentice Hall.
- Dhawan, M.L. (2005). *Learners with Special Needs*. Delhi: Isha Books.
- Dunn, Lloyd M (1963). *Exceptional Children in the Schools' Holt*. New York: Rinehart and Winston, Inc.
- Gargiulo, Richard M (2009). *Special Education in contemporary Society*. Sage Publications, Inc.
- Gearheart, B.R. (1972). *Education of the Exceptional Child History. Practices and Trends*
- Heck, A.O. (1953). *The Education of the Exceptional Children*. New York: Mc Graw Hill.
- Heward, William L. & Orlansky, Michael D. (1992). *Exceptional Children – An Introductory Survey of Special Education*. (4th ed.). New York: An imprint of Mac Millan Publishing Company.

- Herowitz & Brien (Eds.). (1985). *The Gifted and Talented, Developmental Perspectives*. Washington.
- Kar, Chintamani (1994). *Exceptional Children – Their Psychology and Education*. New Delhi: Sterling Publishers Private Limited.
- Kaur, Rajpal (2005). *Special Education, New Trends and Innovations*. New Delhi: Deep & Deep Publications Pvt. Ltd.
- Kirk, S. (1970). *Educating Exceptional Children*. New Delhi: Oxford & IBH Publishing Co.
- Kirk, S. & Gallagher (1979). *Education of the Exceptional Children*. New Delhi: Oxford IBH.
- Lindsay, M. (1980). *Training Teachers of the Gifted and Talented*. New York: Teachers College Press.
- Maitra, Krishna. (1993). *Gifted and Talented – A Developmental Perspective*. New Delhi: Discovery Publishing House.
- Mohanty, Jagannath & Mohanty, Jayasree (2004). *Deaf and Dumb Education –New Trends and Innovations*. New Delhi: Deep and Deep Publications Pvt. Ltd.
- Narang, S.K. (1994). *The Bright and their Education*. Delhi: Prime Publishers.
- Panda, K.C. (2005). *Disadvantaged Children – Theory, Research and Educational Perspectives*. New Delhi: Mittal Publications.
- Panda, K.C. (1997). *Education of Exceptional Children*. New Delhi: Indus Publishing House Pvt. Ltd.
- Prasad, S.B. (2004). *Special Education*. Jaipur: Mrs Shah Jain, Pointer Publisher, The Diamond Printing Press.
- Reddy, L.G. Ramar, R., & Kusuma, A. (2000). *Education of Children with Special Needs*. New Delhi : Discovery Publication House.
- Schwartz, L.L. (1994). *Why Give Gifts to the Gifted ? – Investing in a National Resource*. California: Crowin Press, Inc.
- Sharma, K.N. (1979). *Dynamics of Creativity*. Agra: National Psychological Corporation.
- Smith, R.M. *An Introduction to Mental Retardation*.
- Sympton & Lucking (1960). *Education of the Gifted*. New York: Ronald Press.
- Taneja, C.B.(2005). *Importance and Need for Special Education*. Jaipur: ABD Publishers.
- Torrance, E.P. (1962). *Guiding Creative Talent*. Englewood Cliffs: Prentice Hall.
- Torrance and Myers (1970). *Creative Learning and Teaching*. New York: Dodd Mead.
- Tripathi, S.N. (1996). *Talent and Creativity*. Agra: National Psychological Corporation.
- Ysseldyke, James E., & Algozzine, Bob. (1976). *Special Education – A Practical Approach for Teachers*. New Delhi: Kanishka Publishers & Distributors.

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EDN/4/CC/23
COMPARATIVE EDUCATION
(3 Credits)
Marks- 75
Exam Time: 2 Hours & 30 Minutes

- Unit-I : Introduction to Comparative Education**
- Meaning, Purpose and Scope

- Methods and Approaches in Comparative Education: Historical and Descriptive
- Factors Determining the Educational System of a Country: Geographical, Political, Religious, Socio-Cultural, Philosophical and Historical
- Education Programmes for Global Consciousness and Development, Role of UNESCO, UNICEF and SAARC in Education

Unit-II : Systems of Education and Constitutional Provisions

- Constitutional Provisions for Education in India, USA, UK, Russia and Japan
- Educational Administration in India, USA, UK, Russia and Japan
- Educational Finance in India, USA, UK, Russia and Japan
- Structure and Distinctive Features (Curriculum, Examination, Evaluation, Vocationalisation) of Pre-Primary, Primary and Secondary Education in India, USA, UK, Russia and Japan
- Systems of Teacher in India, USA, UK, Russia and Japan
- Systems of Higher Education in India, USA, UK, Russia and Japan

Unit-III : Problems of Third World Countries and the Role of Education

- Political and Economic Instability
- Poverty, Hunger and Population Problems
- Universalization of Elementary Education
- Equalization of Educational Opportunity

Suggested Readings:

Ashraf, Jaweed (1978). *Soviet Education; Theory and Practice*. New Delhi: Sterling Publishers Pvt. Ltd.

Chakravarti, Mohit (2005). *Education in the 21st Century*. New Delhi: Kalpaz Publications.

Chaube, S.P., & Chaube, A. (1993). *Comparative Education*. New Delhi: Vikas Publishing House Pvt. Ltd.

Collin, Harris (Ed.). (1974). *World Perspective*. Allied Publishers.

Department of Education (1937). *General Survey of Education in Japan*. Tokyo.

Grammer, J.F., & Brown, G.S. (1956). *Contemporary Education: A Comprehensive Study of National Systems*.

Hans, Nicholas (1936). *Comparative Education*. American View of Educational Research.

Kandel, R.L. (1933). *Studies in Comparative in Education*. George G. Harrap and Co., Ltd.

Kenneth, R.K. (1956). *Education in USA*. London: Alwen Ltd.

Khan, Mohammada Abbas (2004). *Modern Comparative Education*. New Delhi: Anmol Publications Pvt. Ltd.

Khana, P.K. (2005). *Education in the New Millenium*. ABD Publishers.

- Matthews, Mervyn (1982). *Education in the Soviet Union; Policies and Institutions since Stalin*. UK: George Allen and Unwin Publishers Ltd.
- Philip, E.Johns (1971). *Comparative Education: Purposes and Methods*. Australia: University of Greenland Press.
- Rao, V.K., & Reddy, R. (2004). *Comparative Education*. New Delhi: Common Wealth Publishers.
- Russel, J.D., & Judd, C.H. *The American Educational System*.
- Sharma, A.P. (1972). *Contemporary Problems of Education*. New Delhi.
- Smith, W.O.L. *Education in Great Britain*. Oxford University Press.
- Ulich, Robert (2006). *The Education of Nations; A Comparison in Historical Perspectives*. Delhi: Surjeet Publications.
- UNESCO (1973). *Growth and Change: Perspectives of Education in Asia*. Sterling Publishers.
- UNESCO (1981). *International Year Book for Education. Vol. XXXIII*.
- UNESCO (1983). *International Year Book for Education. Vol XXXV*.
- UNESCO (1975). *World Problems in Education - A Brief Analytical Survey*.
- Ward, H. *The Education System of England and Wales and its Recent History*.
- Sharma, R.N. (2005). *Comparative Education*. Delhi: Surjeet Publications.
- Sharma, R.S. (2005). *Comparative Perspectives on Education*. Jaipur: ABD Publishers.
- Sharma, Y.K. (2005). *Comparative Education: A Comparative Study of Educational Systems*. New Delhi: Kanishka Publishers & Distributors.
- Sharma, Promila (2009). *Encyclopedia of Comparative Education*. Ashish Publishing House.
- Sodhi, T.S. (2004). *Textbook of Comparative Education*. New Delhi: Vikas Publishing Home Private Limited. Distributors: UBS Publishers & Distributors Private Limited.

EDN/4/CC/24
HIGHER EDUCATION
(4 Credits)
Marks- 100
Exam Time:3 Hours

Unit-I: Introduction to Higher Education in India

- Meaning, Structure, objectives and Morale of Higher Education

- Constitutional Provisions Regarding Higher Education
- National Policy on Higher Education

Unit-II: Higher Education in Historical Perspective

- Higher Education in India under Islamic Rule
- Higher Education in India during the British Period- the Despatch of 1854 and its impact on the Development of Modern Higher Education
- Higher Education in Free India – Major Recommendations of University Education Commission (1948-49) and Education Commission (1964-66) on Higher Education and Subsequent Developments

Unit-III: Planning, Management, Control and Finance of Higher Education

- Bodies Involved – Ministry of Education at the Centre and in the State, Planning Commission and Planning Board
- Role of Association of Indian Universities (AIU), University Grants Commission (UGC) and National Assessment and Accreditation Council (NAAC) in the Management and Control of Indian Higher Education

Unit-IV: Higher Education in India – Some Emerging Issues and Related Problems

- Higher Education and Socio-Economic Development
- Higher Education and Human Resource Development
- Privatisation of Higher Education
- Autonomy in Higher Education
- Innovations in Higher Education
- Falling Standard of Higher Education with Rapidly Increasing Student Enrolment
- Higher Education and Growing Unemployment
- Politicisation of Higher Education – Pressure Groups in Campuses
- Resource Crunch in Higher Education – Remedial Measures
- Withdrawal of Subsidies from Higher Education
- Internationalization of Higher Education
- LPG and Its Implications for Higher Education.

Suggested Readings :

Altbach, Philip (1987). *Comparative Perspective on the Academic Profession*. New York: Preeger.

Altbach, Philip (1960). *Turmoil and Transition: Higher Education and Student Politics in India*. Bombay: Lalvani Pub.

Begi, Joram (2003). *Dynamics of Higher Education*. New Delhi: Commonwealth Publishers.

Chakravarti, B.K. (2005). *A Text book of Comparative Education*. New Delhi: Dominant Publishers & Distributors.

Chalam, K.S. (2005). *Challenges of Higher Education*. New Delhi: Anmol Publications Pvt. Ltd.

Goel, Aruna & Goel, S.L. (2005). *Encyclopaedia of Higher Education in the 21st Century*. New Delhi: Deep and Deep Publications Pvt. Ltd.

Harry, Keith (1999). *Higher Education through Open Learning and Distance Mode*. Routledge.

- Jha, Prem Kumar (2005). *Assessment and Evaluation in Higher Education*. Delhi: Vista International Publishing House.
- Malik, A.P. (2005). *Finance and Management Issues in Higher Education*. Jaipur: ABD Publishers.
- Mohanty, Jagannath (2003). *Current Trends in Higher Education*. New Delhi: Deep and Deep Publications Pvt. Ltd.
- Narain, Iqbal (1990). *Pages from a Vice Chancellor's Diary*. Delhi: Chanakya Publications.
- Panday, V.C. (2005). *Higher Education in a Globalising World*. Delhi: Isha Book Publications.
- Powar, K.B. (2002). *Indian Higher Education*. New Delhi: Concept Publishing Company.
- Rao, Digumarti Bhaskara (2005). *Globalization and Living Together*. New Delhi: Discovery Publishing Home.
- Rao, V.K. (2003). *Distance Education*. New Delhi: APH Publishing Corporation.
- Ram, Mohan (2004). *Universalisation of Higher Education*. New Delhi: Sarup and Sons Publications.
- Raza, Moonis (Ed.). (1991). *Higher Education in India : Retrospect and Prospect*. New Delhi: Association of Indian Universities.
- Sani, P.L. (2005). *World Higher Education*. Jaipur: ABD Publishers.
- Shukla, Chhaya (2004). *Financing of Higher Education*. New Delhi: Sumit Enterprises.
- Singh, Vanita & Sharma, Nirmala (2008). *Development of Higher Education in India*. New Delhi: Alfa Publications.
- Thakur, Devendra & Thakur, D.N. (2004). *Higher Education and Employment*. (2nd ed.). Deep and Deep Publications.
- UGC (1977). *Development of Higher Education in India*. New Delhi: University Grants Commission.
- Vohra, Amrit Lal & Sharma, S.R. (1990). *Management of Higher Education in India*. New Delhi: Anmol Publications.

EDN/4/CC/25
PSYCHOLOGICAL TESTS AND EXPERIMENTS IN EDUCATION
(4 Credits)

Marks 100

Five (05) Experiments and Five (05) Tests to be Completed on the following:

Experiments

1. Learning
2. Reaction Time
3. Attention Time
4. Concept Formation
5. Memory
6. Association
7. Classroom Interaction
8. Sociometry
9. Psycho - Physical
10. Sensation and Perception

Tests

1. Creativity
2. Intelligence
3. Interests
4. Adjustments
5. Motivation
6. Personality
7. Aptitude
8. Attitude
9. Reading Comprehension
10. Aspiration

Evaluation Scheme:

Sessional	=	40 marks
Semester Exam	=	60 (20 for Experiments, 20 for Tests and 20 for Viva Voce) marks

Suggested Readings:

- Kumar, K. (2004). *Encyclopaedia of Experimental Psychology*. New Delhi: Anmol Publication Pvt. Ltd.
- Leach, J. (1996). *Running Applied Psychology Experiments*. UK: Open University Press.
- Matheson, D.W, Bruce, R.L, Beauchamp, K.L. (1970). *Introduction to Experimental Psychology*. USA: Rinehart and Winston.
- Mc Guigan (1990). *Experimental Psychology*. New Delhi: Prentice Hall of India.
- Myers, A. & Hansen, C. H. (2011). *Experimental Psychology*. UK: Centage Learning.
- Pareek, U. & Rao, T. V. (2000). *First Handbook of Psychological and Social Instruments*. New Delhi: Concept Publishing Company.
- Parameswaran (1984). *Experimental Psychology*. Bombay: Allied Publishers.
- Pestonjee, D.M. (1997). *Third Handbook of Psychological and Social Instruments, (Vol I & II)*. New Delhi: Concept Publishing Company.
- Sharma, R.N., Sharma, R. & Sharma R. (2006). *Experimental Psychology*. New Delhi : Atlantic Publishers & Distributors.
- Sheridon, C. L. (1972). *Readings for Experimental Psychology*. USA: Holt, Rinehart and Winston.

EDN/4/SC/26A
MENTAL HEALTH AND HYGIENE
(4 Credits)
Marks 100
Exam Time: 3Hours

Unit-I: Fundamentals of Mental Health and Hygiene

- Concept of Mental health and Mental Hygiene
- Criteria of a Mentally Healthy Person
- Concept of Wholesome and Abnormal Personality
- Goals and Principles of Mental Hygiene

Unit-II: Mental Conflict and Adjustment

- Conflict: Concept, Types and Causes
- Adjustment: Concept and Processes
- Maladjustment : Concept and Causes
- Adjustment Mechanisms

Unit-III: Mental Health and Agencies of Education

- Home and Mental Health
- Qualities of Healthy Home Environment
- Child Rearing Practices and Personality Development
- School and Mental Health
- Teacher and Mental Health
- Community and Mental Health

Unit-IV: Diagnostic and Remedial Techniques

- Diagnostic Techniques: Case Study and Psycho Analysis
- Remedial Techniques: Individual and Group Psycho-Therapies and Their Usefulness
- Counseling Therapy and its Types
- Play Therapy and Behavior Therapy

Unit-V: Yoga for Mental Health

- Concept of Yoga in Ancient India
- Yoga as the Scientific Method for the Development of Personality
- Yoga as Means for Preserving the Mental Health
- Yoga and Modern Life

Suggested Readings:

Akhilananda, Swami (1952). *Mental Health and Hindu Psychology*. London: Auen and Unwin.

Arkoff, Abe (1968). *Adjustment and Mental Health*. New York: McGraw Hill Company.

Auger, Rick (2011). *The School Counsellor's Mental Health Sourcebook*. New Delhi: Sage India Pvt.Ltd.

Bahadur, Mal (1995). *Mental Health in Theory and Practice*. Hoshiarpur: V.V.R.I.

Bernard, H. W., (1952). *Mental Hygiene for Class-room Teachers*. New York: McGraw Hill Book Co.

Bhan, S., & Dutt, N.K. (1986). *Mental Health through Education*. New Delhi: Vision Books.

Bonny, M.E., (1960). *Mental Health in Education*. Boston: Allyn and Bacon Inc.

Capuzzi, David & Gross, D. R. (1995). *Introduction to Counselling*. London: Allyn and Bacon.

Carroll, Herbert, A. (1956). *Mental Hygiene: The Dynamic of Adjustment*. (3rd ed.). Englewood Cliffs, New Jersey: Prentice Hall, Inc.

Crow, Lester D., & Crow, Alice (1952). *Mental Hygiene*. New York: McGraw Hill Book Company Inc.

Dandapani, Dr. S. (2004). *A Textbook of Advanced Educational Psychology*. New Delhi: Anmol Publications Pvt. Ltd.

Dash. M & Dash. Neena (2003). *Fundamentals of Educational Psychology*. New Delhi: Atlantic Publishers & Distributors.

Dollard, J., & Miller, N.E. (1970). *Personality and Psychotherapy*. Chicago: Aldine.

Garg, B.R. (2002). *An Introduction to Mental Health*. Amabala: Associate Publications.

Kundu, C.L., & Tutoo, D.N. (2005). *Educational Psychology*. New Delhi: Sterling Publishers Pvt. Ltd.

Sharma, R.A. (1995). *Fundamentals of Educational Psychology*. Meerut: R. Lall Book Depot.

Sharma, Ram Nath & Sharma R.K. (2006). *Advanced Educational Psychology*. New Delhi: Atlantic Publishers & Distributors.

Sharma, Yogendra K (2004). *Textbook of Educational Psychology*. New Delhi: Kanishka Publishers & Distributors.

Sharma, Bharti (2004). *Psychological Foundation of Education*. New Delhi: Vohra Publishers & Distributors.

EDN/4/SC/26B
ECONOMICS OF EDUCATION
(4 Credits)
Marks 100
Exam Time:3 Hours

Unit-I: Introduction to Economics of Education

- Economics of Education : Concept, Need, Scope, and Importance
- Relationship between Education and Economics
- Education as Consumption
- Education as Investment
- Economic Thoughts on Education: Classical, Neo-Classical and Modern

Unit-II: Education, Economic Development and Cost-Benefit Analysis

- Education and Economic Development
- Concept and Importance of Human Capital, Education and Human Capital Formation
- Process of Human Resource Development
- Indicators of Human resource Development
- Contribution of Education to Economic growth: Critical and Empirical Analysis
- Social and Private Cost, Opportunity Cost and Unit Cost
- Direct (Social & Private) and Indirect benefits of Education
- Components of Educational Cost
- Methods of Determining Educational Cost
- Problems Arising in the Application of the Concept of Cost in Education
- Concept of Cost Benefit Analysis
- Private Returns and Social returns
- Measurement of Benefits of Education

Unit-III: Education and Manpower Planning

- Concept of Manpower Planning
- Forecasting of Manpower Needs
- Techniques of Manpower Forecasting
- Limitations of Manpower Forecasting

Unit-IV: Financial Management

- Sources of Income of Educational organizations - Public Funds, Private Funds
- Management of Financial Resources : Measures to Economies Expenditure and Mobilize Resources
- Budgeting : Concept, Types and Process of Budgeting
- Approaches to Budgeting : Traditional, PPBS & Zero Base
- Factors and Principles of Educational Finance
- The Grant-in-Aid System in India

Suggested Readings:

Ansari, M.M. (1987). *Education and Economic Development*. New Delhi: AIU Publication

Ansari, M.M. (1992). *Economic of Distance Higher Education*. New Delhi: Ashok Kumar Mittal Concept Publishing Company.

Debi, Sailabala (1988). *Economic of Higher Education*. Meerut: Kailash Mithal, Anu Books.

Latchanna, S., & Jeilu, O.H. (2010). *Economic of Education*. New Delhi: Discovery Publishing House.

Malik, A.P. (2005). *Finance and Management Issues in Higher Education*. Jaipur: ABD Publisher.

Nagpal, C.S., & Mittal, A.C. (Eds.). (1993). *Economic of Education*. New Delhi: Anmol Publication Pvt. Ltd.

Rajaiah, B. (1987). *Economic of Education*. New Delhi: Mittal Publication.

Rasure, K.A. (2008). *Economic of Education, Health and Human Resource Development*. Delhi: J.K. Singh, Abhijeet Publication.

Shukla, C. (2004). *Financing of Higher Education*. New Delhi: Sri Lokesh Gupta, Sumit Enterprises.

EDN/4/SC/27A
ADVANCED STATISTICS IN EDUCATION
(4 Credits)
Marks:100
Exam Time:3 Hours

Unit-I : Methods of Correlation:

- Concept and uses of Partial correlation
- Partial Correlation: First Order
- Partial correlation: Second Order
- Multiple correlation concept and Computation
- Biserial correlation
- Point Biserial Correlation
- Tetra Choric Correlation
- Phi-Coefficient

Unit-III : Parametric Tests:

- Concept, Assumptions and Uses of Parametric Tests
- Analysis of Variance (Two Ways)
- Analysis of Co-variance (One Way)

Unit-IV : Non-Parametric Tests:

- Concept, Assumptions and Uses of Non- Parametric Tests
- Median Test
- Sign Test
- Mann Whitney 'U-Test'

Unit-V : Regression and Factor Analysis:

- Concept of Regression Analysis
- Establishment of Simple Regression Equation
- Prediction of scores through Regression Equation
- Factor Analysis (Concept only)

Suggested Readings:

Blalock, H.M. (1981). *Social Statistics*. New York: Mc Grow Hill.

Bowley, A.L. (1937). *Elements of Statistics*. (6th ed.). London: P.S. King and Staples Ltd.

Croxton, F.E., Cowden, D.J., & Klein, S. (1975). *Applied General Statistics*. (3rd ed.). New Delhi: Prentice Hall of India Pvt. Ltd.

Fiebleman, J.K. (1972). *Scientific Method*. Netherlands: Martinus Nijhoff, The Hague, 1972.

Garrett, H.E. (1988). *Statistics in Psychology and Education*. Bombay: Vakils, Feffer and Simons Ltd.

Ghosh, B.N. (1982). *Scientific Methods and Social Research*. New Delhi: Sterling Publishers Pvt. Ltd.

Guilford, J.P., & Fruchter, B. *Fundamental Statistics in Psychology and Education*. New York.

Guilford, J.P. (1954). *Psychometric Methods*. New York: Mc Graw Hill, Inc.

Hollander, Myles & Wolfe, Douglas A (1973). *Non-Parametric Statistical Methods*. New York: John Wiley.

Karson, Marvin J (1982). *Multivariate Statistical Methods*. Ames, Iowa: The Iowa State University Press.

Kurtz, A.K., & Mayo, S.T. (1980). *Statistical Methods in Education and Psychology*. New Delhi: Narosa Publishing House.

Morrison, Donald F (1967). *Multivariate Statistical Methods*. New York: McGraw – Hill.

Roscoe, John T (1969). *Fundamental Research Statistics for the Behavioral Sciences*. New York: Holt, Rinehart and Winston, Inc.

Runyon, Richard P (1977). *Inferential Statistics*. Philippines: Addison-Wesley Publishing Company, Inc.

Siegel, Sydney (1978). *Non - Parametric Statistics for Behavioral Science*. Mc Grow Hill.

Siegel, S. (1956). *Nonparametric Statistics for the Behavioral Sciences*. New York: McGraw-Hill Publishing Co., Inc.

Ullman, Neil R (1978). *Elementary Statistics*. New York: John Wiley & Sons, Inc.

EDN/4/SC/27B
EDUCATION FOR WOMEN EMPOWERMENT
(4 Credits)
Marks 100
Exam Time: 3 Hours

Unit-I: Introduction to Women Empowerment

- Patriarchy, Gender and Feminism
- Concept , Nature, Need and Importance of Women Empowerment
- Women Empowerment in a Historical Perspective
- Status of Women in Modern Society
- Dimensions of Women Empowerment
- Indicators of Women Empowerment with special reference to Gender Development Index (GDI) and Gender Empowerment Measures (GEM)
- Women in National Development

Unit-II: Discrimination against Women and Suitable Measures

- Nutrition and Health Conditions
- Literacy and Education
- Economic Condition – Work and Employment, Prostitution
- Violence Against Women – Rape, Domestic Violence, Divorce, Dowry System
- Political Participation – Representation of Women in Decision Making Bodies

Unit-III: Education and Women Empowerment

- Women’s Empowerment in Today’s World:
 - The Charter of the United Nations
 - The Commission on the Status of Women
 - The Convention on the Elimination of Discrimination Against Women (CEDAW)
 - The World Conferences on Women and The International Decade for Women
 - UN Fourth World Conference on Women
- Approaches to Women’s Education
- Education for Achieving Quality of Life, Equality of Opportunity and Equity
- Women in the Science and Technical Education

Unit-IV: Women Empowerment in India

- National Policy for the Empowerment of Women (2001)
- The National Machinery for the Advancement of Women – Agencies Associated with the Department of Women and Child Development
- Women’s Rights and Legal Framework

Suggested Readings:

Agarwal, S.P. (2001). *Women’s Education in India*. Guwahati: Eastern Book House.

Andal, N. (2002). *Women in Indian Society, Options and Constraints*. Guwahati: DVS Publishers.

Arya, Sadhna. (1999). *Women, Gender Equality and the State*. New Delhi: Deep and Deep Publications.

Bakshi, S.R. (2002). *Empowerment of Women and Politics of Reservation*. Guwahati: DVS Publishers.

- Bakshi, S.R. (1991). *Welfare and Development of Women*. New Delhi: Deep and Deep Publications.
- Gupta, Mukta. (2000). *Women and Educational Development*. Guwahati: DVS Publishers.
- Gupta, N.L. (2000). *Women Education Through Ages*. Guwahati: Eastern Book House.
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