

# FACULTY OF EDUCATION

## SYLLABUS

### FOR

## M.A. (HONOURS) EDUCATION

### (SEMESTER: I–II)

Examinations: 2014–15



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# GURU NANAK DEV UNIVERSITY

## AMRITSAR

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## M.A. (Honours) EDUCATION (SEMESTER SYSTEM)

**SEMESTER-I****SCHEME OF COURSE****PART-I FOUNDATION PAPERS****(Compulsory for all)**

| <b>Course Code</b> | <b>C/E</b> | <b>Course Title</b>                                    | <b>Credits</b> |
|--------------------|------------|--------------------------------------------------------|----------------|
| EDL 401            | C          | Philosophical and Sociology Foundations of Education-I | 4              |
| EDL 402            | C          | Educational Psychology-I                               | 4              |
| EDL 403            | C          | Educational Research & Statistics-I                    | 4              |

**PART-II OPTIONAL PAPERS****(Any two of the following)**

| <b>Course Code</b> | <b>C/E</b> | <b>Course Title</b>                                | <b>Credits</b> |
|--------------------|------------|----------------------------------------------------|----------------|
| EDL 404            | E          | Educational Measurement & Evaluation-I             | 4              |
| EDL 405            | E          | Guidance & Counselling-I                           | 4              |
| EDL 406            | E          | Educational Technology-I                           | 4              |
| EDL 407            | E          | Special Education-I                                | 4              |
| EDL 408            | E          | Population Education and Environmental Education-I | 4              |
| EDL 409            | E          | Value Education & Human Rights Education-I         | 4              |
| EDL 410            | E          | Educational Administration & Management-I          | 4              |
| EDL 411            | E          | Lifelong Education-I                               | 4              |
| EDP 412            | C          | Practical                                          | 2              |

Aggregate of Semester-I Credits=22

\*C Means Compulsory and E Means Elective

**SEMESTER-II****SCHEME OF COURSE****PART-I FOUNDATION PAPERS****(Compulsory for all)**

| <b>Course Code</b>                                                                                                                                                       | <b>C/E</b> | <b>Course Title</b>                                       | <b>Credits</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------|----------------|
| EDL 413                                                                                                                                                                  | C          | Philosophical and Sociology Foundations of Educational-II | 4              |
| EDL 414                                                                                                                                                                  | C          | Educational Psychology-II                                 | 4              |
| EDL 415                                                                                                                                                                  | C          | Educational Research & Statistics-II                      | 4              |
| <b>(PART-II OPTIONAL PAPERS)</b><br><b>(ANY TWO OF THE FOLLOWING)</b>                                                                                                    |            |                                                           |                |
| EDL 416                                                                                                                                                                  | E          | Educational Measurement & Evaluation-II                   | 4              |
| EDL 417                                                                                                                                                                  | E          | Guidance & Conselling-II                                  | 4              |
| EDL 418                                                                                                                                                                  | E          | Educational Technology-II                                 | 4              |
| EDL 419                                                                                                                                                                  | E          | Special Education-II                                      | 4              |
| EDL 420                                                                                                                                                                  | E          | Population Education and Environmental Education-II       | 4              |
| EDL 421                                                                                                                                                                  | E          | Value Education & Human Rights Education-II               | 4              |
| EDL 422                                                                                                                                                                  | E          | Educational Administration & Management-II                | 4              |
| EDL 423                                                                                                                                                                  | E          | Lifelong Education-II                                     | 4              |
| EDP 424                                                                                                                                                                  | C          | Practical                                                 | 2              |
| <b>(PART-III) INTERDISCIPLINARY PAPER</b><br>The students will have to opt any Interdisciplinary Paper from other Departments<br><br>Aggregate of Semester-II Credits=26 |            |                                                           | 4              |
| <b>Total Credits: Semester-I + Semester-II 22+26 = 48</b>                                                                                                                |            |                                                           |                |

**EDL-401 PHILOSOPHICAL AND SOCIOLOGICAL FOUNDATIONS OF  
EDUCATION**

**Credits: 4**

**COURSE OBJECTIVES**

The students will be able to

- Understand and explain the nature and functions of educational philosophy.
- Comprehend the impact of Indian Schools of Philosophy on the educational processes.
- Understand and explain the intimate relationship between education and sociology.

**UNIT-I**

- a) Philosophy of Education – Its Nature and Functions [Speculative, Normative, Critical and Analytical]
- b) Branches of Educational Philosophy – Metaphysics, Epistemology, Axiology and Logic. Relationship with education.

**UNIT-II**

- a) Educational visions of Aurobindo, Tagore, Gandhi and J. Krishnamurti
- b) Brief discussion of Indian Schools of Philosophy: Buddhism and Jainism.

**UNIT-III**

- a) Concept of Educational Sociology and Sociology of Education. Scope and Functions of Sociology of Education. Relationship of Education & Sociology.
- b) Determinants of social change with respect to India

**BOOKS RECOMMENDED:**

1. Banerjee, A.C. & Sharma, S.R. (1999): Sociological and Philosophical issues in Education. Jaipur: Book Enclave.
2. Brubacher, John S. (ed) (1962): Modern Philosophy of Education. New Jersey: Prentice-Hall Inc., Englewood Cliffs.
3. Hiriyanna, M. (1995): The Essentials of Indian Philosophy. Delhi: Motilal Banarasidas Publishers.
4. Kneller, G.F. (1963): Foundations of Education. London and New York: John Wiley and Sons, Inc.
5. Pandey, R.S. (1997): East West Thoughts on Education. Allahabad: Horizon Publishers.
6. Park, J. (1961): The Philosophy of Education. New York: Macmillan Company.
7. Phenix, P.H. (1960): Philosophy of Education. New York: Holt, Rinehart and Winston.
8. Sharma, A.P. (1997): An Approach to Philosophy of Education. Delhi: Indian Publications.
9. Sodhi, T.S. & Suri, A. (2003): Philosophical and Sociological Foundation of Education. Patiala: Bawa Publications.
10. Weber, C.O. (1960) Basic Philosophies of Education. New York: Holt, Rinehart and Winston.
11. Weerasinghe S.G.M. (1993): The Sankhya Philosophy: A Critical Evaluation of its origins and Development. Delhi: Sri Satguru Publications - A Division of Indian Books Centre.

**COURSE OBJECTIVES**

The students will be able to:

- Explain the nature, scope and methods of educational psychology.
- Describe the process of growth and development.
- Explain the concept and theories of learning.

**A) THEORY****UNIT-I**

- a) Nature, Scope and Aims of Educational Psychology. Relationship between Education and Psychology.
- b) Methods of Educational Psychology-Observation, Experimental, Developmental: Longitudinal and Cross sectional.
- c) Growth and Development: Concept, Differences, Principles of development; factors affecting human development. Characteristics of adolescents.

**UNIT-II**

- a) **Individual Differences:** Concept and its Determinant. Role of heredity and environment.
- b) **Learning:** Concept and factors affecting learning, Gagne's Hierarchy of learning.
- c) **Learning and Motivation, Transfer of Learning:** Concept and Implications for education.

**UNIT-III**

- a) **Learning Theories:** SR theories by Pavlov, Thorndike, Skinner, and Hull's Reinforcement Theory.
- b) **Cognitive Theories:** Learning by Insight by Kohler, Tolman's Theory.

**B) PRACTICAL (Terminal)**

Conduct & Interpretation of following experiments:

- a) Learning Curve
- b) Transfer of Learning (with mirror drawing apparatus).

**BOOKS RECOMMENDED:**

1. Bigge, M.L. & Hunt, M.P. (1968): Psychological Foundations of Education (2nd Edition). N.Y.: Harper & Row.
2. Bienter, R.F. Mifflin. (1978): Psychology Applied to Teaching. Boston: Houghton.
3. Bigge, M.C. & Row. (1971): Learning Theories for Teachers (2nd Edition). N.Y.: Harper Collins.
4. Chauhan, S.S. (1978): Advanced Educational Psychology. New Delhi: Vikas Publishing House.
5. Dececco, J.P. (1968): The Psychology of Learning and Instruction. New Delhi: Prentice Hall of India.
6. Gagne, P.M. (1965): Conditions of Learning. N.Y.: Prentice Hall.
7. Good, T.L. & Brodhy, J.E. (1977): Educational Psychology and Realistic Approach. N.Y.: Holt.
8. Hilgard, E.R. & Bower, S.H. (1975): Theories of Learning. Cliffs: Prentice Hall.
9. Mathur, S.S. (1986): Educational Psychology, Revised and Enlarged Text Edition. Agra: Vinod Pustak Mandir.
10. Vargas, J.S. (1977): Behaviour Psychology for Teachers. New York: Harper Row.
11. Baron, R.A. (2007): Psychology, India: Porling Kindersley & Pearson Education.
12. Danion, W. (1983): Social and Personality Development Infancy Through Adolescence, New York: Norton.
13. Singh, Dalip (2000): Emotional Intelligence at Work, New Delhi: Sage.
14. Dash. M. (1994): Educational Psychology, New Delhi: Deep & Deep Publications.
15. Engler Barbara (1991): Personality Theories: An Introduction, 3rd Ed. Boston: Houghton Mifflin Company.
16. Good, Thomas, L. & Brodhy, Jore E., (1977): Educational Psychology and Realistic Approach, N.Y. Holt.
17. Gagne Peter, M. (1965): Conditions of Learning, N.Y. Hall.
18. Hurlock, EB (2004): Developmental Psychology: A Life span Approach (5th Ed. New Delhi) Tata McGraw- Hill Publishing Co. Ltd.
19. Kundu, C.L. & Tutoo., D.N. (1989): Educational Psychology, New Delhi: Sterling Publishers Pvt. Ltd.
20. Mangal, S.K. (2006) : Advanced Education Psychology, New Delhi:: Prentice Hall of India
21. Mazur, J.E. (1994): Learning and Behaviour. (3rd ed.). Englewood Cliffs. New Jersey; Prentice Hall.
22. Lazrus Richard, S. (1963): Personality and Adjustment, Englewood Cliffs: Prentice Hall.
23. Vergas J.S. (1977): Behaviour Psychology for Teachers. New York: Harper Row.
24. Wnag. M.C. & Walber, H.J. (eds) (1985): Adopting instruction to Individual Differences. Berkeley Cl. Mg. Catchan.
25. Woolfolk, Anita, E. (1987): Educational Psychology (3rd Ed.) Englewood Cliffs. Printice Hall.
26. Hall,C.S. & Lindsey(1976) : Theories of Personality, John Wiley and Sons.
27. Zohar Danah & Marshal Ian (2001): Spiritual Intelligence: the ultimate intelligence, New York; Bloomsbury Publishing.

**EDL-403 EDUCATIONAL RESEARCH AND STATISTICS-I****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **Explain the meaning, nature and types of educational research.**
- **Formulate research problem.**
- **Explain the meaning of statistics and measures of central tendency and variability.**

**UNIT-I**

- a) Research in Education: Meaning, significance and characteristics of research as a scientific method.
- b) Types and areas of research.
- c) Formulation of Research Problem:
  - Criteria and sources for identifying the problem
  - Delineating and operationalising the variables.
  - Review of previous research.

**UNIT-II**

- a) Hypothesis: Definition, types, importance, and criteria of a good hypothesis.
- b) Statistics: Meaning and importance, descriptive and inferential statistics.
- c) Organization and tabulation of data, frequency distributions.

**UNIT-III**

- a) Graphical Representation of Data: Histogram, Frequency Polygon, Ogive, Pie diagram, Simple and Multiple Bar diagram.
- b) Measures of Central Tendency: Mean, Median, Mode.
- c) Measures of Variability: Range, Quartile deviation, Average deviation, Standard deviation.

**BOOKS RECOMMENDED:**

1. Aggarwal, Y.P. (1989): Statistical Methods. New Delhi: Sterling.
2. Best, J.W. (1981): Research in Education. New Delhi: Prentice Hall.
3. Dalen, Van D.B. (1962): Understanding Educational Research. New York: McGraw Hill.
4. Ferguson, G.E. (1981): Statistical Analysis in Psychology and Education. New York: McGraw Hill.
5. Garret, H.E. (1978): Statistics - In Education and Psychology. Bombay: Vakils, Feffer and Simons.
6. Gay, L.R. (1992): Educational Research Competencies for Analysis and Applications. Macmillan.
7. Good, C.V. (1966): Essentials of Educational Research: Methodology and Design. New York: Appleton-Century Crafts.
8. Guilford, J.P. (1989): Fundamental Statistics - In Psychology and Education (6<sup>th</sup> Edition). New York: McGraw Hill.
9. Kamber, D. (2000): Action learning and Action Research. London: Kogan Page Ltd.
10. Kaul, L. (2000): Methodology of Educational Research, New Delhi: Vikas Publishing House Pvt. Ltd.
11. Siegel, S. & Castellan, N.J. (1988): Nonparametric Statistics for the Behavioural Sciences. McGraw Hill.
12. Whitney, F.L. (1962): Elements of Research. Englewood Cliffs: Prentice Hall.

**EDL-404 EDUCATIONAL MEASUREMENT AND EVALUATION-I****Credits: 4****COURSE OBJECTIVES**

The students will be able to:

- **Explain the concepts and techniques of measurement and evaluation.**
- **Develop skills in the construction and standardization of tests.**
- **Explain the applications of advanced statistical techniques.**

**UNIT – I**

- a) Measurement and Evaluation- Meaning, importance and functions. Levels of measurement.
- b) Types of Achievement Tests- Essay and Objective.

**UNIT – II**

- a) Norm-referenced and Criterion referenced Tests, Standardized and Teacher made test;
- b) Construction and standardization of Achievement test.

**UNIT – III**

- a) Meaning of statistical inferences and reliability of statistics (Mean only).
- b) Significance of difference between means, t ratio and CR.

**BOOKS RECOMMENDED:**

1. Anastasi, A. (1988): Psychological Testing (6th Ed.). New York: The Macmillan Co.
2. Ebel, L.R. and Fristris, D.A. (1991): Essentials of Educational Measurement. New Delhi: Prentice Hall of India Pvt. Ltd.
3. Edwards, A.L. (1957): Techniques of Attitudes Scale Construction. New York.
4. Freeman, F.S. (1965): Theory and Practice of Psychological Testing. New York: Rinehart and Winston.
5. Gakhar, S.C. (2009): Statistics - In Education and Psychology.
6. Garret, H.E. (1973): Statistics - In Education and Psychology. Bombay: Vakils, Feffer and Simons.
7. Guilford, S.P. and Fruchter, B. (1973): Fundamental Statistics - In Psychology and Education (5th Edition). New York: McGraw Hill and Co.
8. Thorndike, R.L. and Hagen, E. (1977): Measurement and Evaluation - In Psychology and Education. New York: John Wiley and Sons, Inc.

**EDL-405 GUIDANCE AND COUNSELLING-I****Credits: 4****COURSE OBJECTIVES**

The students will be able to:

- **Explain concept, principles, aims, need and development of guidance.**
- **Describe nature of guidance programs at various levels i.e. primary, 10 and 10+2 stage and various types of guidance services.**
- **Elaborate counselling process and counsellor's role and function.**
- **Describe various types and approaches of counselling.**

**A) THEORY****UNIT-I**

- a) **Guidance:** Concept and Principles, Aims and Need, scope of guidance, development of guidance.
- b) **Guidance Programme for:** i) Primary class students ii) Tenth class students iii) 10+2 class students.
- c) **Guidance Services:** (a) Information (b) Assessment (c) Vocational (d) Placement (e) Follow-up

**UNIT-II**

- a) **Counselling:** Meaning, nature and purpose of counselling, Origin and development of counselling
- b) Counsellor and Counselee
  - i. **Counsellor:** Characteristics, Role and Functions.
  - ii. **Counselee:** Development Characteristics of Counselee, Common Counselee Concerns and Common Problems.

**UNIT-III**

- a) **Types of Counselling:** Crisis, Facilitative, Preventive and Developmental.
- b) **Approaches of Counselling:** Directive, Non-directive and Eclectic.

**B) PRACTICAL (Sessional)**

Visit to employment exchange and guidance and counselling cell/bureau.

**BOOKS RECOMMENDED:**

1. Ghose, J. (1995): Vocational Guidance. New Delhi: USS Publications.
2. Jones, A.J. (1970): Principles of Guidance. New York: McGraw Hill Book Company.
3. Mohan, S. (1999): Career Development - In India (Ed.). Delhi: Vikas Publishing House, Pvt. Ltd.
4. Myers, G.E. (1941): Principles and Techniques of Vocational Guidance. New York: McGraw Hill.
5. Shertzer, B. & Stone, S.C. (1981): Fundamentals of Guidance. U.S.A.: Houghton, Mifflin Co.
6. Taxler, A.E. (1964): Techniques of Guidance. New York: McGraw Hill.
7. Tolbert, E.L. (1978): An Introduction to Guidance. Toronto: Little Brown and Company.
8. Arbucle, D.S. (1965): Counselling: Philosophy, Theory and Practice, Boston, Allyn and Bacon.
9. Bantole, M.D. (1984): Guidance and Counselling, Bombay, Sheth and Sheth Publications.
10. Blocher, D.H. (1987): The Professional Counsellor, N.Y. Macmillan.
11. Dryden, Windy and Filethaman Colin (1994): Developing Counsellor Training, London, Sage.
12. D.G.E. and T.Pumphlets/Publications, Ministry of Labour, Govt. of India (from time to time).
13. Gelso, C.J. and Fretz, B.R. (1995): Counselling Psychology Prisin Book, Banglore.
14. George, R.I. and Critiani T.S. (1990): Counselling Theory and Practice, New Jercy, Prentice Hall.
15. Jayanti Ghose (1995): Vocational Guidance, New Delhi, U.S.S. Publication.
16. Leuis, M.D., Mayer, R.L. and Louis, J.A. (1986): An Introduction to Counselling, Profession, illinas, F.E. Peacock Publishers.
17. Lister N.Downing Guidance and Counselling Service: An introduction.
18. Myers, G.E. (1948): Principles and Techniques of Vocational Guidance. McGraw Hill Company, London.
19. Pietrofa, J.J.Hoffman, A and Splete, H.H. (1984): Counselling: An Introduction, E. Houghton, Mifflin Company.
20. Petterson, G.H. (1962): Counselling and Guidance in Schools, McGraw Hill Book Company, London.
21. Shertzer, B. and Stone S.C. (1974): Fundamentals of Counselling, Boston, Houghton Mifflin Co.
22. Sherlzer, B., and Stone S.G. (1980): Fundamentals of Guidance. Boston, Houghton Mifflin Co.
23. Tolbert, E.L. (1978): An Introduction to Guidance, Little Brown and Company. Toronto.

**EDL-406 EDUCATIONAL TECHNOLOGY-I****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **Explain the concept, historical development, need, scope and types of educational technology.**
- **Explain the concept of teaching and learning.**
- **Know about the recent innovations in educational technology.**

**UNIT-I**

- a) **Educational Technology:** Concept, objectives, need and historical development.
- b) Scope and types of educational technology.

**UNIT-II**

- a) Teaching and Learning Process – its nature and Relationship.
- b) Information and communication technology concept, characteristics, modes and use of ICT in teaching- learning process.

**UNIT-III****Action Research:** Concept, objectives and steps.

- a) **Team Teaching:** Concept and Importance.

**BOOKS RECOMMENDED:**

1. Ahuja, M. (2000): Implementing Mastery Learning Strategies: Tasks of a Teacher, University News, Vol.38, No. 22, May 29, 2000.
2. Ahuja, M. (2007): Mastery Learning: A Practical Approach. Meerut: Vivek Publishers.
3. Anderson, L.W. (1996): Individualized Instruction. In Plomp. T., Jeerd & Ely, Donald P.(Eds.). International Encyclopedia of Educational Technology. U.K.: Cambridge.
4. Bhushan, A. & Ahuja, M. (2003): Educational Technology; Theory & Practice (2nd Edition) Patiala: Bawa Publications.
5. Bigge, M.L. (1967): Learning Theories for Teachers. Delhi: Universal Book Stall.
6. Block, J.N. (1971): Mastery Learning: Theory & Practice. New York: Holt Rinehart & Winston, Inc.
7. Bloom, (1956): Ed. Taxonomy of Educational Objectives: Handbook X Cognitive Domain. New York: John Wiley & Sons Inc.
8. Clark, C.M. (1987): The Carroll Model-in M.J. Dunkin (Ed.). The International Encyclopaedia of Teaching & Teacher Education, Oxford: Pergamon Press.
9. Das, R.C. (1993): Educational Technology: A Basic Text. New Delhi: Sterling Publishers Private Limited.
10. Erikson, B. (1969): A Systems Approach to Education, Educational Technology, Vol. IX. No.6.
11. Hill, W.F. (1967): Learning. London: Methuen & Co. Ltd.
12. Joyce & Weils (1985): Models of Teaching. New Delhi: Prentice Hall of India.
13. Mehra, V. (2004): Educational Technology. New Delhi: SSP.
14. Mohanty, (1992): Educational Technology. New Delhi: Deep and Deep Publications.
15. Russell, M. (1993): Instructional Media (4th Ed.). Canada: Macmillan Publishing Company.

**EDL-407 SPECIAL EDUCATION-I****Credits: 4****COURSE OBJECTIVES**

The students will be able to:

- **Explain nature and causes of exceptionality.**
- **Suggest the alternative or remedial educational provisions for special children.**
- **Understand concept of mental retardation and provisions for them.**
- **Understand the process of practical assessment of special children.**

**A) THEORY****UNIT-I**

- a) **Special Education:** Concept, need, Historical Perspective and Relevance of special Education
- b) **Children with Special Needs:** Concept, Classification according to various criteria: Intelligence, Sense organs, Locomotion, Speech and other aspects.

**UNIT-II**

- a) **Learning Disability:** Concept and Meaning, Types, Characteristics, Identification and Remedial Measures
- b) **Mental Retardation:** Concept, characteristics, causes, identification and educational provisions.

**UNIT-III**

- a) **Gifted and Creative:** Concept, Difference, Characteristics, Identification.
- b) Educational provisions for the Gifted, nurturing Creativity.

**B) PRACTICAL (Sessional)**

Administration and Interpretation of DST, DTLTD, tests of intelligence useful to identify mental retardation and giftedness.

**BOOKS RECOMMENDED:**

1. Bigge, M.L. (1967): Learning Theories for Teachers. Delhi: Universal Books Stall.
2. Block, J.N. (1971): Mastery Learning: Theory & Practice. New York: Holt Rinehart & Winston, Inc.
3. Bloom, Benjamin, S. (Ed.) (1956): Taxonomy of Educational Objectives: Handbook X Cognitive Domain. New York: John Wiley & Sons Inc.
4. Clark, C.M. (1987): The Carroll Model-in M.J. Dunkin (Ed.). The International Encyclopedia of Teaching & Teacher Education. Oxford: Pergamon Press.
5. Das, R.C. (1993): Educational Technology: A Basic Text. New Delhi: Sterling Publishers Private Limited.
6. De Brisson, A (Ed). (1969): Programmed Learning Research. Paris: Major Trends, Dumod.
7. Erikson, B. (1969): A Systems Approach to Education. Educational Technology, Vol. IX. No.6.
8. Hill, W.F. (1967): Learning. London: Methuen & Co. Ltd.
9. Joyce & Weils (1985): Models of Teaching. New Delhi: Prentice Hall of India.
10. Mehra, V. (2004): Educational Technology. New Delhi: SSP.
11. Mohanty, J. (1992): Educational Technology. New Delhi: Deep and Deep Publications.
12. Robertson, E. (1987): Teaching and Related Activities. International Encyclopaedia of Teaching and Teacher Education.
13. Spaulding, S.C. (1972): Technological Devices in Education. AECT International.
14. Unwin, D. & Mc Alese, R. (1978): Encyclopaedia of Educational Media Communication and Technology. West Port: Greenwood Press.

**EDL-408 POPULATION EDUCATION AND ENVIRONMENTAL EDUCATION-I****Credit: 5****COURSE OBJECTIVES**

The students will be able to:

- **Explain the concept and scope of population education.**
- **Understand the role of various agencies in population education.**
- **Discriminate between population education through formal and non-formal modes in India**
- **Describe concept, importance, scope and aim of environmental education.**
- **Explain principles and foundations of environmental education.**

**A) THEORY****UNIT-I**

- a) **Population Education:** Concept, Objectives and Scope with reference to India.
- b) Organizations and Agencies for Population Education in India: UGC, NCERT, UNFPA, GOI, NGOs.

**UNIT-II**

- a) Status of Population Education in India through Formal and Non-formal education sectors:
  - Population Education in Vocational Education (NCERT);
  - UGC guidelines for Population Education – In X and XI plan
  - Population Education in Adult literacy programmes
  - Population Education at various levels of educations
  - Population Education through voluntary efforts.
- b) Concept, importance and scope of environmental education.

**UNIT-III**

- a) Aims and objectives of environmental education, Principles and foundations of environmental education.
- b) Concept of environment and ecosystem, Biotic and abiotic components of the environment, Natural system: earth and biosphere, natural resources.

**PRACTICAL (Sessional)**

Survey of Adult literacy programme.

**BOOKS RECOMMENDED:**

1. Chapman, J.L. and Reiss, M.J. (1999): Ecology: Principles and Applications. U.K.: Cambridge University Press.
2. Dani, H.M. (1986): Environmental Education. Chandigarh: PublicationBureau, Panjab University.
3. Mishra, B.D. (1986): Environmental Education. Chandigarh: PublicationBureau, Panjab University.
4. Nanda, V.K. (1997): Environmental Education. New Delhi: Armal Publications.
5. NCERT (2000): Population Education - In Vocational Training Programme Part 3:Handbook for trainees, New Delhi, Directorate general of Employment and training,Ministry of Labour, Govt. of India.
6. Panneerselvam, A. and Ramakrishanan, M. (1996): Environmental Science Education.New Delhi: Sterling Publishers Pvt. Ltd.
7. Raina, B.L. (1988): Population Policy. Delhi: B.R. Publishing Corporation.
8. Reddy, M.V.L. (1984): Population Education: Misconceptions and Clarifications. New Delhi: Ashish Publishing House.
9. Reining, P. & Thinker I (ed.) (1975): Population: Dynamics Ethics & Policy. Washington D.C.: American Association for the Advancement of Science.
10. Saxena, A.B. (1996): Education for the Environmental Concerns. New Delhi: Radha Publications.
11. Shandilya, T.K. (ed.) (1985): Population Problem and Development. New Delhi: Deep and Deep Publications.
12. Sharma, R.A. (1998): Environmental Education, Meerut: R. Lall Book Department.
13. UGC (2004): UGC Scheme on Population Education Xth Plan Guidelines, Non Formal Education Bureau, UGC, 35 Ferozeshah Road Feb, 2004.
14. United Nations Report (2003): Population Education and Development. New York: The Concise Report.
15. Yadav, J.S., Sobti, R.C. and Kohli, R.K. (1988): An Elementary Book on Environmental Education. Chandigarh: Publication Bureau, Panjab University.

**WEB REFERENCE SITES:**

1. [www.coe.uga.edu/syllabus/eadu/EADU\\_8050\\_guyt](http://www.coe.uga.edu/syllabus/eadu/EADU_8050_guyt)
2. [www.apscert.org/population.htm](http://www.apscert.org/population.htm)
3. [www.knowledgecommission.gov.in/recommendations](http://www.knowledgecommission.gov.in/recommendations)
4. <http://dget.nic.in/cpe/intro/handbook.pdf>
5. [www.un.org/esa/population/publications/concese2003](http://www.un.org/esa/population/publications/concese2003)
6. [www.n/m.nic.in/pep.htm](http://www.n/m.nic.in/pep.htm)

**EDL-409 VALUE EDUCATION AND HUMAN RIGHTS EDUCATION – I****Credits: 4****COURSE OBJECTIVES**

The students will be able to:

- a) **Explain the need and importance of Value-Education and Human Rights Education.**
- b) **Describe the various approaches to Value development.**
- c) **Elaborate the significance of constitutional provisions for Human Rights and the Millennium Development Goals.**

**UNIT-I**

- a) Need and importance of value education.
- b) Hierarchies in Values.

**UNIT-II**

- a) Approaches to value development-
- b) Meaning and concept of Human Right, Historical background of Human Rights.

**UNIT-III**

- a) Universal declaration of Human Rights and Indian Constitution.
- b) Millennium Development Goals and Human Rights.

**BOOKS RECOMMENDED:**

1. Borgohain, B. (1999): Human Rights Social Justice & Political Challenge. New Delhi: Kanishka Publishers.
2. Dhand, H. (2000): Teaching Human Rights: A Handbook, Bhopal Asian Institute of Human Rights.
3. Fraenkel, J.R. (1977): How to teach about Values: An Analytic Approach. New Jersey & E. Cliffs: Prentice Hall, Inc.
4. Mohanty, J. (2005): Teaching of Human Rights: New Trends and Innovations. New Delhi: Deep and Deep Publications PVT. LTD.
5. Mohanty, Jagannath Ed. (2000): Human Rights. New Delhi: Deep and Deep Publications.
6. Palai, A.K. (1999): National Human Rights Commission of India, Formation, Functioning and Future Prospects. New Delhi: Atlantic Pub.
7. Pandey, V.C. (2005): Value Education and Education for Human Rights. Delhi: Isha Books.
8. Rokeach, M. (1967): Values Survey. Sunnyvale & California: Halgren Tests.
9. Rokeach, M. (1973): The Nature of Human Values. New York : The Free Press.
10. Rokeach, M. (1988): Beliefs, Attitudes and values. San Francisco: Jossey Bass.
11. Symonides, J. (2002): Human Rights Concept and Standards. Rawat Publications.
12. Tarrow, N.B. (1987): Human Rights and Education Vol-3. Programon Press.

**EDL-410 EDUCATIONAL ADMINISTRATION AND MANAGEMENT-I****Credits: 4****COURSE OBJECTIVES**

The students will be able to:

- a) **Explain concepts of administration and management.**
- b) **Apply these concepts in management of education systems.**
- c) **Describe the different administrative structures for different levels of education.**
- d) **Explain the role of national and local level bodies responsible for educational administrations.**

**UNIT-I**

- a) Concepts, nature, principles and scope of educational administration and management.
- b) Educational administration, approaches and emerging trends.

**UNIT-II**

- a) The administrative structure for management of Education - In India.
- b) Centre – State relationship for educational administration: Constitutional provisions.

**UNIT-III**

- a) Local bodies in education.
- b) National level bodies:
  - UGC
  - NCERT
  - NUEPA
  - AICTE
  - MHRD
  - CABE
  - RCI

**BOOKS RECOMMENDED:**

1. Bala, M. (1990): Leadership Behaviour and Educational Administration. New Delhi: Deep & Deep Publications.
2. Bhatia, S.K. (2008): Managing Organizational Behaviour. New Delhi: Deep and Deep Publications.
3. Bhatnagar, R.P. and Aggarwal, V. (1987): Educational Administration: Supervision Planning and Financing. Meerut: India Surya Publications.
4. Bush, T. & Bell, L. (2003): The Principles and Practice of Educational Management. London: Paul Chapman Publishing, New Delhi: Sage Publication.
5. Chand, T. & Prakash, R. (1997): Advanced Educational Administration. New Delhi: Kanishka Publishers.
6. Chandrasekaran, P. (1994): Educational Planning and Management. New Delhi: Sterling Publishers.
7. Gakhar, S.C. (2005): Educational Administration and Management. NM Publication.

8. Greene, J.F. (1975): School Personnel Administration. Pennsylvania: Chilton Book Company.
9. Gupta, S.K. & Joshi, R. (2007): Organisational Behaviour. New Delhi: Kalyani Publishers.
10. Jolliffe, A., Ritter J. & Stevens D. (2003): The Online Learning Handbook. London: Kogan Page.
11. Kaur, K. (1985): Education - In India (1981-1985) Policies, Planning and Implementation. Chandigarh: Arun and Rajive Pvt. Ltd.
12. Khan, N.S. & Khan, M.S. (1980): Educational Administration. New Delhi: Ashish Publishing House.
13. Lulla, B.P. & Murthy, S.K. (1976): Essential of Educational Administration. Chandigarh: Mohindra Capital Publishing.
14. Lynton, R.P. & Pareek, U. (2000): Training for Organizational Transformation Part I & II. New Delhi: Sage Publications.
15. Mukherji, S.N. (1970): Administration and Educational Planning and Finance. Baroda: Acharya Book Depot.
16. Philip, H.C. (1985): The World Crisis in Education. Oxford University Press.
17. Prasad, L.M. (2008): Organisational Behaviour. New Delhi: Sultan Chand & Sons.
18. Robbins, S.P, Judge, T.A. & Sanghi, S. (2007): Organisational Behaviour (12th Edition). New Delhi: Pearson Prentice Hall.
19. Rudestam, K.E. & Schoenholtz, R.J. (2002): Handbook of online Learning. New Delhi: Sage Publications.
20. Sayeed, O.B. (2001): Organisational Commitment and Conflict. New Delhi: Sage Publications.
21. Sharma, Y.K. and Sharma, M. (2006): Educational Technology and Management. New Delhi: Kanishka Publishers, Distributors.
22. Thakur, D. & Thakur, D.N. (1996): Educational Planning and Administration. New Delhi: Deep and Deep Publications.
23. Thomas, I.S. (1980): Educational Governance and Administration. America: Prentice Hall.
24. Trivedi, P.R. & Sudershan, K.N. (1996): Management Education. New Delhi: Discovery Publishing House.

**EDL-411 LIFE LONG EDUCATION-I****Credits: 4****COURSE OBJECTIVES**

The students will be able to:

- **Explain Philosophical and Sociological basis of lifelong education.**
- **Understand the concept and nature of lifelong education.**
- **Discuss the impact of concept of lifelong education on formal education.**
- **Describe Meaning, importance, rationale and need of Distance Education.**
- **Explain theories of Distance Education.**

**A) THEORY****UNIT-I**

- a) Philosophical basis of concept of lifelong education – humanism and existentialism.
- b) Sociological basis of concept of lifelong education: Need and importance in the contemporary world.

**UNIT-II**

- a) Nature and scope of lifelong education.
- b) Impact of lifelong education on formal education; open learning, part time education, web based education.

**UNIT-III**

- a. Distance Education: Meaning, Importance, Need of distance education in India.
- b. Theories of Distance Education:
  - i. Theory of Independent study (Charles A. Wedemeyer)
  - ii. Theory of Learner Autonomy (Michael G. Moore)
  - iii. Theory of Industrialised Form of Distance Teaching and Learning (Olto Peter)
  - iv. Theory of Guided Didactic Conversation (Borje Holmberg)
  - v. Theory of Significance of Two way Postal communication (John A Baath)
  - vi. Theory of Human element in an industrialized form of Learning and Teaching (David Sewari)

**B) PRACTICAL (Sessional)**

Presentation on Philosophy of Life Long Learning.

**BOOKS RECOMMENDED:**

1. A Report: Motivational Aspects of Adult Education Min. of Education and Social Welfare, Directorate of Adult Education, New Delhi, 1978.
2. Alford, H.J. (1968): *Continuing Education - In Action: Residential Centres for Lifelong Learning*. New York: Wiley.
3. *Authentic Development: Role of Adult Education*. New Delhi: IAEA. 1982.
4. Bhatia, S.C. & Srivastava. (1978): *Literacy, Literacy Materials and their Preparation: A General Perspective*. New Delhi: Directorate of Adult Education.
5. Boroia K. & Draper, J.A. (1973): *Adult Education - In India: A Book of Reading*. New Delhi: IAEA.
6. Chib, S.S. (1986): *Distance Education*. Chandigarh: Chadda Publication.
7. Coles, E.K.T. (1977): *Adult Education - In Developing Countries*. New York: Pergamon Press.
8. Cropley, A.J. (1977): *Life Long Education: A Psychological Analysis*. New York: Pergamon Press.
9. Daniel W. (Ed.) (1987): *The Future of Literacy in Changing World*. New York, Tpkya: Pergamon Press, Oxford.
10. Dutta, S.C. (1986): *History of Adult Education - In India*. New Delhi: IAED.
11. French, et. al. (Eds.) (1999): *Interest Based Learning*. UK: Kogan Page.
12. Gorden, G. & Sharan, B. (1982): *Adult Education: Foundation of Practice*. New York: Harper and Row.
13. Govt. of India National Adult Education Programme: *An Outline*, 1978.
14. *Handbook of Training of Adult Education Functionaries*. A Handbook, Directorate of Adult Education, Ministry of Education and Social Welfare, New Delhi, 1978.
15. Houle, C.O. (1964): *Continuing Your Education*. New York: McGraw Hill Co.
16. Howe, M. J.A. (Ed.). (1978): *Adult Learning Psychological Research and Applications*. London: John Willey.
17. Jarvis, P. (1990): *International Dictionary of Adult and Continuing Education*. London: Routledge.
18. John, L. (1982): *The Education of Adults: A World Perspective (Second Edition)*. Paris: UNESCO.
19. Jolliffe, et. al. (2001): *The Online Learning Handbook*. UK: Kogan Page.
20. Joshi P.K. (2007): *Modern Distance Education*. New Delhi: Anmol Publications.
21. Khan, I. (1994): *Distance Teaching*. Delhi: Amar Prakashan.
22. Kundu, C.L. (1986): *Adult Education*. New Delhi: Sterling Publishers.
23. *Learning to be: A Report of International Commission on Education Development: UNESCO, 1972*, New Delhi: Sterling Publisher, 1975.
24. Lovelt, T. (et.al.) (1983): *Adult Education and Community Action*. Great Britain: Croom Helm Ltd.
25. Maier & Warren. (2002): *Integrating Technology - In Learning and Teaching*. UK: Kogan Page.
26. Mali, M.G. (1984): *Adult Education - In India*. New Delhi: Deep and Deep Publication.
27. Manjulika & Reddy. (1999): *Unexplored Dimensions of Open Universities*. Delhi: Vikas Publishing House Pvt. Ltd.
28. Mohanty, S.B. (1985): *Non-Formal Education*, Allahabad: Chugh Publications.

29. National Literacy Mission, Ministry of Human Resource Development, Govt. of India, New Delhi, Jan., 1983.
30. Rahi, A.L. (1996): Adult Education Policies and Programmes. Ambala Cantt: Associated Pubs.
31. Rao, V.J. (2000): Problem of Continuing Education. New Delhi: Discovery Pub.
32. Reddy, G.L. (1997): Role Performance of Adult Education Teachers: Problems and Prospects. New Delhi: Discovery Pub.
33. Roy, N.R. (1967): Adult Education - In India and abroad. Delhi: Chand.
34. Rudestam & Schoonholtz-Read. (2002): Handbook of Online Learning. Delhi: Sage Publications.
35. Sharma, I.P. (1985): Adult Education - In India, A Policy Perspective. New Delhi: National Book Organisation.
36. Verma, R. (2005): Distance Education - In Technological Age. New Delhi: Anmol Publications (Pvt) Ltd.
37. Verma, R. (2007): Education-Open and Distance Education - In Global Society. New Delhi: Anmol Publications,.
38. Wagiare, S.K. & Vanashree, W. (1986): Extension Education Elixir in Rural Development. New Delhi: Metropolitan Book Co.
39. Yadav, R.S. (1991): Adult Education Training and Productivity. Ambala Cantt: Indian Publications.
40. Sodhi, T.S. (1987): Adult Education: A Multidisciplinary Approach. Ludhiana: Katson Publication House.
41. Seetharamu, A.S. & Devi, M.D.U. (1994): Adult Education. New Delhi: Ashish.
42. Patil, S.P. (1996): Problems of Adult Education Programme. Ambala Cantt: Associated Pubs.
43. Jethithar, B. (1996): Adult Education & Extension. New Delhi: APH Publishers.
44. Ward, K. & Taylor, R. (1986): Adult Education and the Working Class: Education for the Missing Millions. London: Croom Helm.
45. Venkataiah, S. (Ed.) (2000): Lifelong and Continuing Education. New Delhi: Anmol Pub.
46. Pareek, V.K. (1992): Adult Education. Delhi: Himansher.

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M.A. (Honours) EDUCATION (SEMESTER-I)

**EDP – 412 PRACTICAL**

**Credits: 2**

**The Board of Control will decide the list of Practical.**

**EDL- 413 PHILOSOPHICAL AND SOCIOLOGICAL FOUNDATIONS OF  
EDUCATION-II**

**Credits: 4**

**COURSE OBJECTIVES**

The students will be able to:

- Discuss the impact of Indian Schools of Philosophy on the educational processes.
- Understand and analyze the contributions of western schools of philosophy.
- Understand and explain the meaning of social change in the context of Indian order.
- Analyze documents and programmes of National importance facilitating equality of educational opportunities.

**COURSE CONTENT**

**UNIT-I**

- a) Brief discussion of Indian Schools of Philosophy: Sankhya and Vedanta.
- b) Impact of Indian Philosophical Schools on the goals of life and aims of Education.

**UNIT-II**

- a) Western Schools of Philosophy with Special reference to their concept of Reality, Knowledge, values and their educational implications for the Aims, Contents and Methods of Education.
- b) Idealism, Realism, Naturalism, Pragmatism, Existentialism

**UNIT-III**

- a) Equality of Educational Opportunity with Special reference to socially and economically disadvantaged sections of Society.
- b) Social stratification and education.

**BOOKS RECOMMENDED:**

1. Mathur, S.S. (1998): A Sociological Approach to Indian Education. Agra: Vinod Pustak Mandir, Agra.
2. Kneller, G.F. (1963): Foundation of Education, New York and London: John Wiley and Sons, Inc.
3. Taneja, V.R. (2002). Foundation of Education: Philosophical and Sociological. Chandigarh: Mohindra Capital Publisher.
4. Bhattacharya, S. (1996): Sociological Foundation of Education. New Delhi: Atlantic Publishers and Distribution.
5. Brucacher, J.S. (1962): Eclectic Philosophy of Education, New Jersey, Prentice- Hall Inc, Englewood Cliffs.
6. Seetharamu, A.S. (2004): Philosophies of Education, New Delhi, Ashish Publishing House
7. Chaudhary, K. (2008): A Handbook of Philosophy of Education, New Delhi
8. Teneja, V.R. (2005): Foundation of Education, Chandigarh 17, Abnishek Publishers.
9. Aggarwal, J.C. (2005): Theory and Principles of Education Philosophical and Sociological Basis of Education, New Delhi, Vikas Publishing House Pvt. Ltd.
10. Blake, N. Smeyers, P.et.al., (eds)(2008): The Blackwell Guide to the Philosophy of Education, 350 Main Street, Maiden, U.S.A. Blackwell Publishing Ltd.

**EDL – 414 EDUCATIONAL PSYCHOLOGY – II****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **Explain the concept and theories of intelligence.**
- **Describe the meaning, determinants and theories of personality**
- **Explain characteristics of exceptional children and process of adjustment.**

**A) THEORY****UNIT-I**

- a) **Intelligence:** Concept, Nature and Theories (Spearman, Thurstone, Guilford, Gardner and Sternberg.)
- b) Measurement of Intelligence.

**UNIT-II**

- a) **Personality:** Meaning, Determinants of personality, Type and Trait Theories
- b) Nature and Process of Adjustment

**UNIT-III**

- a) **Psychology and Education of Children with Special Needs:** Mentally Challenged, Learning Disabled.
- b) **Giftedness and Creativity:** Concept, differences, nurturing creative talent.

**B) PRACTICAL (Terminal)**

- a) **Intelligence Test:** Verbal, Non Verbal performance test.
- b) Personality Test.
- c) Test of mental health/adjustment/well being.

**BOOKS RECOMMENDED:**

1. Bigge, M.L. & Hunt, M.P. (1968): Psychological Foundations of Education (2nd Edition). N.Y.: Harper & Row.
2. Bienter, R.F. Mifflin. (1978): Psychology Applied to Teaching. Boston: Houghton.
3. Chauhan, S.S. (1978): Advanced Educational Psychology. New Delhi: Vikas Publishing House.
4. Danion W. (1983): Social and Personality Development - Infancy Through Adolescence. New York: Norton.
5. Singh, D. (2000): Emotional Intelligence at work. New Delhi: Sage Publications.
6. Goleman, D.L. (1995): Emotional Intelligence. London: Bloomsbury.
7. Good, T.L. & Brodhy, J.E. (1977): Educational Psychology and Realistic Approach. N.Y.: Rhine Holt.
8. Mathur, S.S. (1986): Educational Psychology, Revised and Enlarged Text Edition. Agra: Vinod Pustak Mandir.
9. Bigge, M.C. & Row. (1971): Learning Theories for Teachers (2nd Edition). N.Y.: Harper Collins.
10. Dececco, J.P. (1968): The Psychology of Learning and Instruction. New Delhi: Prentice Hall of India.
11. Gagne, P.M. (1965): Conditions of Learning. N.Y.: Prentice Hall.
12. Hilgard, E.R. & Bower, S.H. (1975): Theories of Learning. Cliffs: Prentice Hall.
13. Laarus, R.S. (1963): Personality and Adjustment. Cliffs: Prentice Hall.
14. Vargas, J.S. (1977): Behaviour Psychology for Teachers. New York: Harper Row.
15. Wang, M.C. & Walber, H.J. (eds.) (1985): Adapting Instruction to Individual Differences. Berkeley: Cal Mg. Cutchan.
16. Woolfolk, A.E. (1987): Educational Psychology (3rd edition). Englewood Cliffs: Prentice Hall.
17. Woolfolk, A.E. (1993): Readings and Cases in Educational Psychology. Boston: Alyn and Bacon.
18. Hall, C.S. & Lindsey. (1976): Theories of Personality. John Wiley & Sons.

**EDL - 415 EDUCATIONAL RESEARCH AND STATISTICS-II****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- Explain various research tools, techniques and methods.
- Apply correlation and tests of significance in education.

**COURSE CONTENT:****UNIT-I**

- a) Collection of Data: Concept of population and sample. Methods of sampling; probability, non-probability, Characteristics of a good sample.
- b) Tools and Techniques:
  - Characteristics of a good research tool. Questionnaires, Interview, Observations, Psychological tests, Rating scales

**UNIT-II**

- a) Quantitative and Qualitative methods of research
- b) Measures of Relationship: Meaning, Uses and Computation of Product Moment Correlation, Rank Difference Correlation.

**UNIT-III**

- a) Normal Probability Curve: Significance, Characteristics and five applications. Tests of Significance.
- b) Significance of Statistics (Mean only): Meaning, standard error of mean, levels of significance, significance of difference between means, type I and type II error, degrees of freedom. Analysis of variance (one way only)

**BOOKS RECOMMENDED:**

1. Aggarwal, Y.P. (1989): Statistical Methods. New Delhi: Sterling.
2. Best, J.W. (1981): Research in Education. New Delhi: Prentice Hall.
3. Dalen, Van D.B. (1962): Understanding Educational Research. New York: McGraw Hill.
4. Ferguson, G.E. (1981): Statistical Analysis in Psychology and Education. New York: McGraw Hill.
5. Garret, H.E. (1978): Statistics - In Education and Psychology. Bombay: Vakils, Feffer and Simons. ,
6. Gay, L.R. (1992): Educational Research Competencies for Analysis and Applications. Macmillan.
7. Good, C.V. (1966): Essentials of Educational Research: Methodology and Design. New York: Appleton-Century Crafts.
8. Guilford, J.P. Fundamental Statistics - In Psychology and Education (6th Edition). New York: McGraw Hill.
9. Kaul, L. (2000): Methodology of Educational Research, New Delhi: Vikas Publishing House Pvt. Ltd.
10. Siegel, S. & Castellan, N.J. (1988): Nonparametric Statistics for the Behavioural Sciences. McGraw Hill.
11. Whitney, F.L. (1962): Elements of Research. Englewood Cliffs: Prentice Hall.
12. Kamber, D. (2000): Action learning and Action Research. London: Kogan Page Ltd.

**EDL-416 EDUCATIONAL MEASUREMENTS AND EVALUATION-II****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **Explain the concepts and techniques of measurement and evaluation.**
- **Develop skills in the construction and standardization of tests.**
- **Explain the applications of advanced statistical techniques.**

**UNIT-I**

- a) Characteristics of a good measuring tool.
- b) **Reliability and Validity:** Types and factors affecting reliability.

**UNIT-II**

- a) Grading system and continuous Internal assessment
- b) Question Banks and uses of computer in education

**UNIT-III**

- a) Non-Parametric tests: Concept, Differences with Parametric tests, Analysis of variance (one way and two way): Assumptions and computation
- b) Chi-square test of independence: Hypotheses of Equality and Normality

**BOOKS RECOMMENDED:**

1. Anastasi, A. (1988): Psychological Testing (6th Ed.). New York: The Macmillan Co.
2. Ebel, L.R. and Fristris, D.A. (1991): Essentials of Educational Measurement. New Delhi: Prentice Hall of India Pvt. Ltd.
3. Edwards, A.L. (1957): Techniques of Attitudes Scale Construction. New York.
4. Gakhar, S.C.(2009): Statistics - in Education and Psychology
5. Freeman, F.S. (1965): Theory and Practice of Psychological Testing. New York: Rinehart and Winston.
6. Fruchter, B. (1954): Introduction to Factor Analysis.
7. Garret, H.E. (1973): Statistics - In Education and Psychology. Bombay: Vakils, Feffer and Simons.
8. Guilford, S.P. and Fruchter, B. (1973): Fundamental Statistics - In Psychology and Education (5th Edition). New York: McGraw Hill and Co.
9. Thorndike, R.L. and Hagen, E. (1977): Measurement and Evaluation - In Psychology and Education. New York: John Wiley and Sons, Inc.

**EDL-417 GUIDANCE AND COUNSELLING-II****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **Describe various testing and non testing techniques of guidance and counselling.**
- **Analyze theories of career development and their implications.**
- **Explain relevance of helping relationship and role of counsellor as helper**
- **Elaborate counselling process and interview.**

**A) THEORY****UNIT-I**

- a) Testing techniques of student appraisal: Intelligence, Personality, Aptitude and Interest.
- b) Non-testing techniques of student appraisal: Interview, Observation, Case study, Anecdotal record and Cumulative record.

**UNIT-II**

- a) Concept and theories (Roe, Super, Krumboltz) of career development and dynamic factors influencing career development.
- b) Helping relationship: Meaning, nature and importance. Counselling as helping relationship.

**UNIT-III**

- a) Counselling process and process of referral.
- b) Counselling Techniques and Practices: Structure the counselling-relationship, Degree of lead by counsellors, Non-verbal behaviour, Transference and counter-transference, Process of referral.

**B) PRACTICAL (Sessional)**

Administration and interpretation of Differential Aptitude Test (DAT).

**BOOKS RECOMMENDED:**

1. Ghose, J. (1995): Vocational Guidance. New Delhi: USS Publications.
2. Jones, A.J. (1970): Principles of Guidance. New York: McGraw Hill Book Company.
3. Mohan, S. (1999): Career Development - In India (Ed.). Delhi: Vikas Publishing House, Pvt. Ltd.
4. Myers, G.E. (1941): Principles and Techniques of Vocational Guidance. New York: McGraw Hill.
5. Shertzer, B. & Stone, S.C. (1981): Fundamentals of Guidance. U.S.A.: Houghton, Mifflin Co.
6. Taxler, A.E. (1964): Techniques of Guidance. New York: McGraw Hill.
7. Tolbert, E.L. (1978): An Introduction to Guidance. Toronto: Little Brown and Company.
8. Arbucle, D.S. (1965): Counselling: Philosophy, Theory and Practice, Boston, Allyn and Bacon.

9. Bantole, M.D. (1984): Guidance and Counselling, Bombay, Sheth and Sheth Publications.
10. Blocher, D.H. (1987): The Professional Counsellor, N.Y. Macmillan.
11. Burnard, P. (2005): Counselling Skills Training, New Delhi: Viva Book Private Limited.
12. Dryden, Windy and Filethaman Colin (1994): Developing Counsellor Training, London, Sage.
13. D.G.E. and T.Pumphlets/Publications, Ministry of Labour, Govt. of India (from time to time).
14. Gelso, C.J. and Fretz, B.R. (1995): Counselling Psychology Prisin Book, Banglore.
15. George, R.I. and Critiani T.S. (1990): Counselling Theory and Practice, New Jerey, Prentice Hall.
16. Ghose, J. (1995): Vocational Guidance, New Delhi: U.S.S Publication.
17. Gibson, Robert L. & Mitchell, Marianne, H. (2007): Introduction to Counselling and Guidance, Pearson Prentice Hall of India, New Delhi.
18. Lewis, M.D., Mayer, R.L. and Louis, J.A. (1986): An Introduction to Counselling, Profession, Illinas, F.E. Peacock Publishers.
19. Myers, G.E.Principles and Techniques of Vocational Guidance. McGraw Hills Company, London, 1948.
20. Pietrofa, J.J. Hoffman, A and Splete, H.H. (1984): Counselling: An Introduction, E. Houghton, Mifflin Company.
21. Petterson, G.H. (1962): Counselling and Guidance in Schools, McGraw Hill Book Compaby, London.
22. Saxena, A. (2007): Modern Techniques of Counselling, New Delhi: Rajat Publications.
23. Shertzer, B. and Stone S.C. (1974): Fundamentals of Counselling, Boston, Houghton Mifflin Co.
24. Sherlzer, B., and Stone S.G. (1980): Fundamentals of Guidance. Beston, Houghton Mifflin Co.
25. Tolbert, E.L. (1978): An Introduction to Guidance, Little Brown and Company. Toronto.

**COURSE OBJECTIVES**

The students will be able to:

- Explain the meaning of aims, goals and objectives.
- Describe Bloom's taxonomy of educational objectives.
- Formulate behavioural objectives/instructional objectives for different domains.
- Explain the concept and phases of teaching.
- Explain the levels of teaching.

**A) THEORY****UNIT-I**

- a) **Formulating Objectives:** concept of aims, goals and objectives.
- b) Bloom's taxonomy of educational objectives and hierarchy of objectives in the cognitive, affective and psychomotor domains.

**UNIT-II**

- a) Levels of Teaching.
- b) Phases of teaching and intellectual activity involved in each phase.

**UNIT-III**

- a) Concept and importance of evaluation. Diagnostic, formative and summative evaluation.
- b) Norm-referenced and criterion referenced tests.

**B) PRACTICAL (Sessional)**

- a) Formulation instructional objectives of any topic of student's choice.
- b) Development of an achievement test.

**BOOKS RECOMMENDED:**

1. Anderson, L.W. (1996): Individualized Instruction. In Plomp. T., Jeerd & Ely, Donald P. (Eds.). International Encyclopedia of Educational Technology. U.K.: Cambridge.
2. Ahuja, M. (2000): Implementing Mastery Learning Strategies: Tasks of a Teacher, University News, Vol.38, No. 22, May 29, 2000.
3. Ahuja, M. (2007): Mastery Learning: A Practical Approach. Meerut: Vivek Publishers.
4. Bhushan, A. & Ahuja, M. (2003): Educational Technology; Theory & Practice (2nd Edition). Patiala: Bawa Publications.
5. Bigge, M.L. (1967): Learning Theories for Teachers. Delhi: Universal Book Stall.

6. Block, J.N. (1971): *Mastery Learning: Theory & Practice*. New York: Holt Rinehart & Winston, Inc.
7. Bloom, (1956): (Ed.) *Taxonomy of Educational Objectives: Handbook X Cognitive Domain*. New York: John Wiley & Sons Inc.
8. Clark, C.M. (1987): *The Carroll Model-in* M.J. Dunkin(Ed.). *The International Encyclopaedia of Teaching & Teacher Education*, Oxford: Pergamon Press.
9. Das, R.C. (1993): *Educational Technology: A Basic Text*. New Delhi: Sterling Publishers Private Limited.
10. Erikson, B. (1969): *A Systems Approach to Education, Educational Technology, Vol. IX. No. 6*.
11. Hill, W.F. (1967): *Learning*. London: Methuen & Co. Ltd.
12. Joyce & Weils (1985): *Models of Teaching*. New Delhi: Prentice Hall of India.
13. Mehra, V. (2004): *Educational Technology*. New Delhi: SSP.
14. Mohanty, (1992): *Educational Technology*. New Delhi: Deep and Deep Publications.
15. Russell, M. (1993): *Instructional Media (4th Ed.)*. Canada: Macmillan Publishing Company.
16. Unwin, D. & Mc Alese, R. (1978): *Encyclopaedia of Educational Media Communication and Technology*. West Port: Greenwood Press.

**EDL-419 SPECIAL EDUCATION-II****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **Describe nature and causes of exceptionality.**
- **Discuss problems of exceptional children in regular school.**
- **Suggest alternative or remedial educational provisions for special children.**
- **List the identifying characteristics of exceptional children.**

**A) THEORY****UNIT-I**

- a) **Visual Impairment:** Concept, Characteristics, Causes and Assessment areas, Educational provisions; Role of Technology - in enhancing functioning.
- b) **Hearing Impairment:** Concept, Characteristics, Causes and assessment, Educational provisions, Lip reading, sign language, finger spelling total communication

**UNIT-II****Autism:**

- a) Concept, Characteristics, differences with other overlapping disabilities
- b) Identification and educational provisions

**UNIT-III****Cerebral Palsy and Other Locomotional Impairments:**

- a) Concept, Types, and Characteristics and Causes
- b) **Educational Provision and Other Needs:** Polio, Brittle Bone Problem and Muscular Dystrophy: Concept, Characteristics, Educational Implications

**B) PRACTICAL (Sessional)**

Report of observation during visit to school, centre with children affected by any condition.

**BOOKS RECOMMENDED:**

1. Bigge, M.L. (1967): Learning Theories for Teachers. Delhi: Universal Books Stall.
2. Block, J.N. (1971): Mastery Learning: Theory & Practice. New York: Holt Rinehart & Winston, Inc.
3. Bloom, Benjamin, S. (Ed.) (1956): Taxonomy of Educational Objectives: Handbook X Cognitive Domain. New York: John Wiley & Sons Inc.
4. Clark, C.M. (1987): The Carroll Model-in M.J. Dunkin (Ed.). The International Encyclopedia of Teaching & Teacher Education. Oxford: Pergamon Press.

5. Das, R.C. (1993): Educational Technology: A Basic Text. New Delhi: Sterling Publishers Private Limited.
6. De Brisson, A (Ed). (1969): Programmed Learning Research. Paris: Major Trends, Dumod.
7. Erikson, B. (1969): A Systems Approach to Education. Educational Technology, Vol. IX. No.6.
8. Hill, W.F. (1967): Learning. London: Methuen & Co. Ltd.
9. Joyce & Weils (1985): Models of Teaching. New Delhi: Prentice Hall of India.
10. Mehra, V. (2004): Educational Technology. New Delhi: SSP.
11. Mohanty, J. (1992): Educational Technology. New Delhi: Deep and Deep Publications.
12. Robertson, E. (1987): Teaching and Related Activities. International Encyclopaedia of Teaching and Teacher Education.
13. Spaulding, S.C. (1972): Technological Devices in Education. AECT International.
14. Unwin, D. & Mc Alese, R. (1978): Encyclopaedia of Educational Media Communication and Technology. West Port: Greenwood Press.

**EDL-420 POPULATION EDUCATION AND ENVIRONMENTAL EDUCATION-II****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **State determinants of population distribution patterns**
- **Explain the impact of population growth on health of population**
- **Suggest measures to maintain health in the face growing population.**
- **Discriminate between different types of environmental pollution.**
- **Explain the importance of responsible environmental behaviour and its role in conservation of environment.**

**A) THEORY****UNIT-I**

- a) Determinants of Population distribution patterns.
- b) Population growth and impact on health of population
  - Implications of morality and facility: Health services and population profiles.
  - Adolescence Education: Responsible Parenthood.
  - Primary Health Care: Safe motherhood and integrated child development.

**UNIT-II**

- a) **Environmental Pollution:** Air, water, soil and noise pollution.
- b) Extinction of flora and fauna, deforestation and soil erosion.

**UNIT-III**

- a) Importance of responsible environment behaviour among teachers and students.
- b) Importance of environmental awareness, environmental attitudes, environmental sensitivity and environment action strategies for teachers and students.

**B) PRACTICAL (Sessional)**

Survey of environmental awareness of students.

**BOOKS RECOMMENDED:**

1. Chapman, J.L. and Reiss, M.J. (1999): Ecology: Principles and Applications. U.K.: Cambridge University Press.
2. Dani, H.M. (1986): Environmental Education. Chandigarh: Publication Bureau, Panjab University.
3. Mishra, B.D. (1986): Environmental Education. Chandigarh: Publication Bureau, Panjab University.
4. Nanda, V.K. (1997): Environmental Education. New Delhi: Armal Publications.
5. Panneerselvam, A. and Ramakrishnan, M. (1996): Environmental Science Education. New Delhi: Sterling Publishers Pvt. Ltd.
6. Raina, B.L. (1988): Population Policy. Delhi: B.R. Publishing Corporation.
7. Reddy, M.V.L. (1984): Population Education: Misconceptions and Clarifications. New Delhi: Ashish Publishing House.
8. Reining, P. & Thinker I (ed.) (1975): Population: Dynamics Ethics & Policy. Washington D.C.: American Association for the Advancement of Science.
9. Saxena, A.B. (1996): Education for the Environmental Concerns. New Delhi: Radha Publications.
10. Sharma, R.A. (1998): Environmental Education, Meerut: R. Lall Book Department.
11. Shandilya, T.K. (ed.) (1985): Population Problem and Development. New Delhi: Deep and Deep Publications.
12. Yadav, J.S., Sobti, R.C. and Kohli, R.K. (1988): An Elementary Book on Environmental Education. Chandigarh: Publication Bureau, Panjab University.
13. NCERT (2000): Population Education - In Vocational Training Programme Part 3 : Handbook for Trainees, New Delhi, Directorate General of Employment and Training, Ministry of Labour, Govt. of India.
14. UGC (2004): UGC Scheme on Population Education Xth Plan Guidelines, Non Formal Education Bureau, UGC, 35 Ferozeshah Road Feb, 2004.
15. United Nations Report (2003): Population Education and Development. New York: The Concise Report.

**WEB REFERENCE SITES:**

1. [www.coe.uga.edu/syllabus/eadu/EADU\\_8050\\_guyt](http://www.coe.uga.edu/syllabus/eadu/EADU_8050_guyt)
2. [www.apscert.org/population.htm](http://www.apscert.org/population.htm)
3. [www.knowledgecommission.gov.in/recommendations](http://www.knowledgecommission.gov.in/recommendations)
4. <http://dget.nic.in/cpe/intro/handbook.pdf>
5. [www.un.org/esa/population/publications/concese2003](http://www.un.org/esa/population/publications/concese2003)
6. [www.n/m.nic.in/pep.htm](http://www.n/m.nic.in/pep.htm)

**EDL-421 VALUE EDUCATION AND HUMAN RIGHT EDUCATION-II****Credits: 4****COURSE OBJECTIVES**

The students will be able to:

- Explain the various ways in which values can be classified.
- Elaborate various transactional strategies for Value Education.
- Discuss the role of international and national bodies in promotion of human rights education.
- Discuss the role of Education - Institutions and nongovernmental organization in promotion of human rights.

**UNIT-I**

Hierarchy and classification of values

- a) Different types of values and their basis.
- b) Traditional Indian Values and modern scientific values

**UNIT-II**

Transactional strategies for value education

- a) Rationale building model
- b) Consideration model
- c) Value classification model
- d) Social action model
- e) Just community intervention model

**UNIT-III**

- a) Need and importance of human rights Education - in the existing social scenario
- b) Role of international, national bodies and state bodies in promotion of human rights education; Role of educational institutions (at school, college and higher education level) in dissemination of human rights.

**BOOKS RECOMMENDED:**

1. Borgohain, B. (1999): Human Rights Social Justice & Political Challenge. New Delhi: Kanishka Publishers.
2. Dhand, H. (2000): Teaching Human Rights: A Handbook, Bhopal Asian Institute of Human Rights.
3. Fraenkel, J.R. (1977): How to Teach About Values: An Analytic Approach. New Jersey & E. Cliffs: Prentice Hall, Inc.
4. Mohanty, J. (2005): Teaching of Human Rights: New Trends and Innovations. New Delhi: Deep and Deep Publications Pvt. Ltd.
5. Mohanty, Jagannath (Ed.) (2000): Human Rights. New Delhi: Deep and Deep Publications.
6. Palai, A.K. (1999): National Human Rights Commission of India, Formation, Functioning and Future Prospects. New Delhi: Atlantic Pub.
7. Pandey, V.C. (2005): Value Education and Education for Human Rights. Delhi: Isha Books.
8. Rokeach, M. (1967): Values Survey. Sunnyvale & California: Halgren Tests.
9. Rokeach, M. (1973): The Nature of Human Values. New York: The Free Press.
10. Rokeach, M. (1988): Beliefs, Attitudes and Values. San Francisco: Jossey Bass.
11. Symonides, J. (2002): Human Rights Concept and Standards. Rawat Publications.
12. Tarrow, N.B. (1987): Human Rights and Education Vol-3. Programon Press.

**EDL-422 EDUCATIONAL ADMINISTRATION AND MANAGEMENT-II****Credits: 4****COURSE OBJECTIVES****The students will be able to:**

- **Highlight need, importance and scope of educational planning.**
- **Describe various approaches to planning.**
- **Explain different stages of educational planning.**
- **Discuss the problems in implementing plans.**
- **Explain meaning and functions of supervision in education.**
- **Describe concepts and implications of organizational climate, job satisfaction, motivation and conflict management for teachers and administrators.**

**UNIT-I**

- a) **Educational Planning:** Need, importance, stages and scope.
- b) Approaches to planning; Institutional planning.

**UNIT-II**

- a) Planning and implementing supervisory programs, problems. Problems in implementing plans – sociological, political and economic.
- b) Educational and supervision: Meaning, functions and types.

**UNIT-III**

- a) Concept of Organizational climate, Motivation, Job satisfaction.
- b) Conflict management for teachers and administrators.

**BOOKS RECOMMENDED:**

1. Bala, M. (1990): Leadership Behaviour and Educational Administration. New Delhi: Deep & Deep Publications.
2. Bhatia, S.K. (2008): Managing Organizational Behaviour. New Delhi: Deep and Deep Publications.
3. Bhatnagar, R.P. and Aggarwal, V. (1987): Educational Administration: Supervision Planning and Financing. Meerut: India Surya Publications.
4. Bush, T. & Bell, L. (2003): The Principles and Practice of Educational Management. London: Paul Chapman Publishing, New Delhi: Sage Publication.
5. Chand, T. & Prakash, R. (1997): Advanced Educational Administration. New Delhi: Kanishka Publishers.
6. Chandrasekaran, P. (1994): Educational Planning and Management. New Delhi: Sterling Publishers.
7. Gakhar, S.C. (2005): Educational Administration and Management. NM Publication.
8. Greene, J.F. (1975): School Personnel Administration. Pennsylvania: Chilton Book Company.
9. Gupta, S.K. & Joshi, R. (2007): Organisational Behaviour. New Delhi: Kalyani Publishers.

10. Jolliffe, A., Ritter J. & Stevens D. (2003). The Online Learning Handbook. London: Kogan Page.
11. Kaur, K. (1985): Education - In India (1981-1985) Policies, Planning and Implementation. Chandigarh: Arun and Rajive Pvt. Ltd.
12. Khan, N.S. & Khan, M.S. (1980): Educational Administration. New Delhi: Ashish Publishing House.
13. Lulla, B.P. & Murthy, S.K. (1976): Essential of Educational Administration. Chandigarh : Mohindra Capital Publishing.
14. Lynton, R.P. & Pareek, U. (2000): Training for Organizational Transformation Part I & II. New Delhi: Sage Publications.
15. Mukherji, S.N. (1970): Administration and Educational Planning and Finance. Baroda: Acharya Book Depot.
16. Philip, H.C. (1985): The World Crisis in Education. Oxford University Press.
17. Prasad, L.M. (2008): Organisational Behaviour. New Delhi: Sultan Chand & Sons.
18. Robbins, S.P, Judge, T.A. & Sanghi, S. (2007): Organisational Behaviour (12th edition). New Delhi: Pearson Prentice Hall.
19. Rudestam, K.E. & Schoenholtz, R.J. (2002): Handbook of Online Learning. New Delhi: Sage Publications.
20. Sayeed, O.B. (2001): Organisational Commitment and conflict. New Delhi: Sage Publications.
21. Sharma, Y.K. and Sharma, M. (2006): Educational Technology and Management. New Delhi: Kanishka Publishers, Distributors.
22. Thakur, D. & Thakur, D.N. (1996): Educational Planning and Administration. New Delhi: Deep and Deep Publications.
23. Thomas, I.S. (1980): Educational Governance and Administration. America: Prentice Hall.
24. Trivedi, P.R. & Sudershan, K.N. (1996): Management Education. New Delhi: Discovery Publishing House.

**EDL-423 LIFE LONG EDUCATION-II****Credits: 4****COURSE OBJECTIVE****The students will be able to:**

- **Explain the concept, aims and need of adult and continuing education.**
- **Explain the impact of Life Long Education approach on global policies.**
- **Describe the development of Open and Distance Education in India.**
- **Highlight the impact of information technology on distance education.**

**A) THEORY****UNIT-I**

- a) **Adult and Continuing Education:** Concept, Aims, Need and Importance in Developing a Learning Society.
- b) Recent Impact of Life Long Education approach on global policies

**UNIT-II**

- a) Development of Open and Distance education with reference to National Policy of Education (1968, 1986, 1992 revised).
- b) Problems of Distance Education.

**UNIT-III**

- a) Modalities of Distance Education- Correspondence courses, Open Schools and Universities, Education Broadcast: TV and Radio, CAI.
- b) Impact of information technology revolution on distance education- Internet and its uses, emergence of on-line education.

**B) PRACTICAL (Sessional)**

Survey on awareness of global policies for Life Long Education/ technological revolution in distance education.

**BOOKS RECOMMENDED:**

1. A Report: Motivational Aspects of Adult Education Min. of Education and Social Welfare, Directorate of Adult Education, New Delhi, 1978.
2. Alford, H.J. (1968): Continuing Education – In Action: Residential Centres for Lifelong Learning. New York: Wiley.
3. Authentic Development: Role of Adult Education. New Delhi: IAEA. 1982.
4. Bhatia, S.C. & Srivastava. (1978): Literacy, Literacy Materials and their Preparation: A General Perspective. New Delhi: Directorate of Adult Education.
5. Boroia K. & Draper, J.A. (1973): Adult Education – In India: A Book of Reading. New Delhi: IAEA.

6. Chib, S.S. (1986): Distance Education. Chandigarh: Chadda Publication.
7. Coles, E.K.T. (1977): Adult Education – In Developing Countries. New York: Pergamon Press.
8. Cropley, A.J. (1977): Life Long Education: A Psychological Analysis. New York: Pergamon Press.
9. Daniel W. (Ed.) (1987): The Future of Literacy in Changing World. New York, Tokya: Pergamon Press, Oxford.
10. Dutta, S.C. (1986): History of Adult Education – In India. New Delhi: IAED.
11. French, et. al. (Eds.) (1999): Interest Based Learning. UK: Kogan Page.
12. Gorden, G. & Sharan, B. (1982): Adult Education: Foundation of Practice. New York: Harper and Row.
13. Govt. of India National Adult Education Programme: An Outline, 1978.
14. Handbook of Training of Adult Education Functionaries. A Handbook, Directorate of Adult Education, Ministry of Education and Social Welfare, New Delhi, 1978.
15. Houle, C.O. (1964): Continuing Your Education. New York : Mc Graw Hill Co.
16. Howe, M. J.A. (Ed.). (1978): Adult Learning Psychological Research and Applications. London: John Willey.
17. Jarvis, P. (1990): International Dictionary of Adult and Continuing Education. London: Routledge.
18. Jethithar, B. (1996): Adult Education & Extension. New Delhi: APH Publishers.
19. John, L. (1982): The Education of Adults: A World Perspective (Second Edition). Paris: UNESCO.
20. Jolliffe, et. al. (2001): The Online Learning Handbook. UK: Kogan Page.
21. Joshi P.K. (2007): Modern Distance Education. New Delhi: Anmol Publications.
22. Khan, I. (1994): Distance Teaching. Delhi: Amar Prakashan.
23. Kundu, C.L. (1986): Adult Education. New Delhi: Sterling Publishers.
24. Learning to be: A Report of International Commission on Education Development: UNESCO, 1972, New Delhi: Sterling Publisher, 1975.
25. Lovelt, T. (et.al.) (1983): Adult Education and Community Action. Great Britain: Croom Helm Ltd.
26. Maier & Warren. (2002): Integrating Technology – In Learning and Teaching. UK: Kogan Page.
27. Mali, M.G. (1984): Adult Education – In India. New Delhi: Deep and Deep Publication.
28. Manjulika & Reddy. (1999): Unexplored Dimensions of Open Universities. Delhi: Vikas Publishing House Pvt. Ltd.
29. Mohanty, S.B. (1985): Non-Formal Education, Allahabad: Chugh Publications.
30. National Literacy Mission, Ministry of Human Resource Development, Govt. of India, New Delhi, Jan., 1983.
31. Pareek, V.K. (1992): Adult Education. Delhi: Himansher.
32. Patil, S.P. (1996): Problems of Adult Education Programme. Ambala Cantt: Associated Pubs.
33. Rahi, A.L. (1996): Adult Education Policies and Programmes. Ambala Cantt: Associated Pubs.
34. Rao, V.J. (2000): Problem of Continuing Education. New Delhi: Discovery Pub.
35. Reddy, G.L. (1997): Role Performance of Adult Education Teachers: Problems and Prospects. New Delhi: Discovery Pub.

36. Roy, N.R. (1967): Adult Education – In India and abroad. Delhi: Chand.
37. Rudestam & Schoonholtz-Read. (2002): Handbook of online Learning. Delhi: Sage Publications.
38. Seetharamu, A.S. & Devi, M.D.U. (1994): Adult Education. New Delhi: Ashish.
39. Sharma, I.P. (1985): Adult Education – In India, A Policy Perspective. New Delhi: National Book Organisation.
40. Sodhi, T.S. (1987): Adult Education: A Multidisciplinary Approach. Ludhiana: Katson Publication House.
41. Venkataiah, S. (Ed.) (2000): Lifelong and Continuing Education. New Delhi: Anmol Pub.
42. Verma, R. (2005): Distance Education – In Technological Age. New Delhi: Anmol Publications (Pvt) Ltd.
43. Verma, R. (2007): Education-Open and Distance Education – In Global Society. New Delhi: Anmol Publications.
44. Wagiare, S.K. & Vanashree, W. (1986): Extension Education Elixir in Rural Development. New Delhi: Metropolitan Book Co.
45. Ward, K. & Taylor, R. (1986): Adult Education and the Working Class : Education for the Missing Millions. London: Croom Helm.
46. Yadav, R.S. (1991): Adult Education Training and Productivity. Ambala Cantt: Indian Publications.

**EDP – 424 PRACTICAL**

**Credits: 2**

The Board of Control will decide the list of Practical.