

COURSES OF STUDIES

PRIVATE EXAMINATION



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MA PART - II

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Education

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PAPER - VI

COMPUTER EDUCATION

1. Introduction to Computers.
 - i) Types of Computers.
 - a) Mainframe, Mini Computers, Micro Computers, PC/AT - 286, 386, 486, Pentium-Desktop, Laptop etc.
 - b) Analog, Digital and Hybrid Computers.
 - ii) Block diagram of Computers
 - a) CPU
 - b) Data Processing Stages
 - iii) Computer Peripherals
 - a) Input-Devices - Keyboard, Mouse, Scanner
 - b) Output Devices - Monitor (All types) Printer (All types).
 - c) Storage Devices - Hard Disk, Floppy Disks and Drives, Memory, CD multimedia.
 - iv) **Types of Software**
 - a) System Software
 - b) Application Software
 - v. **Application of Computers**
 - a) Role of Computers in Education
 - b) Commercial Applications
 - c) Teaching through Computers.

EDUCATION

- Paper - VI Any one** 100 marks
- a) Educational Technology
 - b) Computer Education
 - c) Economics of Education
- Paper - VII Any one** 100 marks
- a) Educational Measurement and Evaluation
 - b) Curriculum Development
- Paper - VIII Any one** 100 marks
- a) Comparative Education
 - b) Educational Administration
 - c) Higher Education Teachers and Function
- Paper - IX Any one** 100 marks
- a) Guidance and Counselling in Education
 - b) Special Education
 - c) Teacher Education
- Paper - X - Dissertations** 100 marks

PAPER - VI

EDUCATIONAL TECHNOLOGY

I. Meaning, Scope & Components

Meaning and Scope of Educational Technology
Educational Technology as systems approach to education; Education as a system, its Characteristics, Components of Educational Technology - Software, Hardware.

Educational Technology and Instructional Technology.

II. Communication and Teaching

Communication and teaching - Components of communication process : Sender -media, Message, receiver, Feedback.

Modalities of Teaching, Difference between teaching, Instruction Condition and Training. Preactive, Interactive and Post-active.

Teaching at different levels - memory. understanding, reflective.

III. Models of teaching and Teaching Behaviour :

Models of teaching - Concept and selected psychological models; Modification of teaching behaviour; Micro Teaching. Flander's Interaction analysis, Simulation.

IV. Designing of Instructional System and Strategies :

Designing of Instructional System : Formulation of instructional objectives, Task analysis.

Designing of instructional strategies such as Lecture, Team Teaching, Discussion, Panel discussion, Seminars and Tutorials.

V. Self - Instructional Strategies

Programmed instruction (Origin, Types : Liner and branching) model.

- Teaching Machines

- Computer - assisted instruction.

REFERENCE :

1. Jayce B. and Wcil, M (1990) Models of Teaching Prentice Hall of India, New Delhi.
2. Kulkarni, S. S. : Educational Technology, Oxford and IBH, New Delhi.
3. Mukhapadhyaya, M. Educational Technology : Challenging issues. Sterling, New'Delhi.
4. Passi, B. K. (Ed.) Becoming Better Teacher : Micro Teaching Appraoch. Sanitya Mudranalaya, Baroda.
5. Sampat, K. et.al. Introduction to Educational Technology, Vinod Pustak Mandir, Agra, 85.
6. Sharma, A. R. : Edcational Technolcgv. Vinod Pustak Mandir, Agra, 85.
7. Kumar, K. L. Educational Technologvl New Age, International, Delhi.

IV. Cost Benefits Analysis of Education :

Taxonomy of cost of education
Taxonomy of benefits of education
Inputs and Outputs - Concepts and relationship between the two.

V. Resources of Education and Financing Education :

Role of the Centre, State and Institution for financing education.
Theoretical consideration
Problems of financing
Grant-in-aid scheme.

PAPER - VII

EDUCATIONAL MEASUREMENT AND EVALUATION

I. Educational Measurement and Evaluation :

Concept, scope, need, relevance
Tools of measurement and evaluation : subjective and objective tools : Essay test : Objective test : scales; questionnaires : schedules, inventories performance tests.

II. Characteristics of a good Measuring Instrument :

Validity, Reliability, Norms, Usability, etc.

III. Test Standardisation :

Norms-referenced and Criterion - Referenced tests; scaling - Standard Scores, T-Scores and C. Scores. Steps in standardisation of a test.

IV. Measurement of :

Achievement, aptitude, intelligence, attitudes : interests, skills.
Interpretation of test - scores and methods of feedback to students.

II. Operating System Software - DOS, WORDSTAR & DATABASE

- i) Introduction
- ii) Directors of File Folders
- iii) Files
- iv) Wild Cards
- v) Types of DOS Commands
- vi) Dos Commands - Data, Rime, CIS, Ver, Prompt, Dir, Cd, Md, Rd, Tree, Copy Ren, Del, Type , More, Edite, Chkdsk, Format, Sys. Vol, Lable, Xcopy.
- vii) Batch Files

WORD PROCESSING - WORD STAR

- i) Introduction
- ii) Menus of Word Star
- iii) Editing Text
- iv) Formating Text
- v) Print Enhancements
- vi) Mail Merging Document

3. DATABASE MANAGEMENT SOFTWARE D BASE :

- i) Introduction
- ii) Commands and Functions
- iii) Create, Display, Structure, Modify, Clear, Close, use, quit, List, Display, Append, Goto, Edit, Browse, Insert, Delete, Recall, Append,

Pack, Zap, locate, continue, sort, Index, set
Replace, Date Functions, File Functions, Say
Get, Picture, Clause, Box Creation, Do-While-
Loop- Exit-Enddo, if Else - Endif, Do case-
Otherwise End case.

4. Spread Sheet Software Lotus 1-2-3

- i) Introduction
- ii) Loading and Saving Files
- iii) Work Sheet Fundamentals and Basics
- iv) Work Sheet and Range Commands
- v) Copy/ Moving Data in worksheet
- vi) Windowing, Titling, Sorting and Querying
- vii) Creating, Saving and Printing of Graphs
- viii) Work Sheet Functions - Date, If sum, avg, Left,
right, Proper, Repeat, Str. Int. Val.

5. Graphics Software - Windows

- i) Introduction
- ii) Mouse Concepts and Operations
- iii) Windows Concepts, Multi-Tasking
- iv) Drawing Through Paint Brush
- v) Documenting Through Write
- vi) Managing Files and File Folders through file
Manager.
- vii) Printing through Print Manager.

REFERENCES :

- | | |
|----------------------------------|---|
| 1. Bidgoli, Hossein | Working with lotus 1-2-3 |
| 2. Gookin, Dan | Operating System Software
DOS-DOS for Dummies. |
| 3. Gooking, Dan | Windows - Windows for
Dummies |
| 4. Gilbert, Chris | Spreadsheet -Lotus ABC for
Lotus - 1-2-3 |
| 5. Hunt, Roger | Computer and Commonsense
Shedley. John |
| 6. Menon, K. S. V | Word processing Wordstar for
everyone. |
| 7. Rangarajan, V. | Fundamentals of computers |
| 8. Ratho, T.N. &
Prakas, Ravi | Emerging Trends in Teaching of
Computer. Science. |
| 9. Simpson, Alan | Database Management System,
D base understanding D Base. |
| 10. Soni & Aggarwal | Computer Systems and
Programmimg |

PAPER - VI

ECONOMICS OF EDUCATION

I. Economic of Education :

Concept, Scope, Significance, Recent Trends in
economics of education.

II. Education as :

Consumption : Concept, Significance and Strategies.
Investment : Concept, Significance and Strategies.

III. Education and Economic Development :

Human Capital formation
Man-power planning

10. Report of the Secondary Education Commission (1952-53).
11. Tabe, H. Curriculum Development, Theory and Practice, Harcourt, Brace, Jovanovich, New York.
12. Tanner, D. and Tanner, L. Curriculum Development Theory and Practice Mc. Millan, New York.
13. Taylor, R. W. Basic Principles of Curriculum and Instruction. University of Chicago press.
14. Zais, R. S. Curriculum Principles and foundation. Thomas Y. Cromwell Co, New York, 1976.
15. Mc. Neil J. D. Curriculum : A Comprehensive Introduction, Little Brown Co. London.

PAPER - VIII

COMPARATIVE EDUCATION

- I. Concept and Scope of Comparative Education :**
- II. Major Concepts in Comparative Education. :** Juxtaposition, Area Studies, Intra-educational analysis.
- III. Approaches to Comparative Education :** Historical approach, Cross Disciplinary approach, Problem approach.
Factors affecting national system of education.
- IV. A Comparative Study of :** Elementary education, Secondary education, Vocation education and Vocationalisation of secondary education, higher education : with special reference to USA, UK, INDIA.
- V. Comparative study of the following problems :** Educational administration in U.S.A., U.K. and India
Distance education and Continuing Education in Australia, UK and India.
The Language problem - USSR and India.

V. New Trends :

Grading, Semistar, Continuous internal assessment, question bank : uses of computer in evaluation.

BOOKS RECOMMENDED :

1. Anastasi, A; Psychological Testing (6th Ed.) Macmillan Publishing Co; New York, 1988.
2. Buch, M. B. (Ed.) : Fourth Survey of Research in Education, NCERT, New Delhi 1991.
3. Conoley. J. C. and Kramer, J. J. (eds.) : Tenth Mental Measurements Year Book. Buros Institute of Mental Measurements, Lincoln, N.E. 1990.
4. Cronbach, L. J. and Frisbie, D. A. : Essentials of Educational Measurement (5th Ed.) Prentice Hall of India Pvt. Ltd., New Delhi 1991.
5. Eble, R. L. and Frisbide, D. A. : Essentials of Educational Measurement (5th Ed.) Prentice Hall of India Pvt. Ltd., New Delhi 1991.
6. Edward, A. L. Techniques of Attitude Scale Construction, Vakils, Feffer and Simons Pvt. Ltd. Bombay, 1969.
7. Gronlund, N. E. & Linn. R. L. : Measurement and Evaluation in Teaching (6th Ed.). Macmillan Publishing Co, New York, 1990.
8. Hopins, K. D. & Stanley, J. G. 2 Educational and Psychological Measurement and Evaluation (7th Ed.) Prentice Hall, Englewood cliffs, N.J., 1990.
9. Lindeman, R. H. and Merenda, P. F. : Educational Measurement (2nd Ed.) Scott, Foresman and Co; Glenview, Illinois, 1979.
10. Mehrens, W.A. & Lehmann, J. J. : Measurement and Evaluation in Education in Education and

- Psychology (4th Ed.) Holt Rinehart and Winston, New York, 1987.
11. Mehrens, W.A. and Lehmann, I. J.: Using Standardized Tests in Education (4th Ed.) Holt Rinehart and Winston, New York, 1987.
 12. Mitchell, J. V. (Ed.) : Tests in Print III, University of Nebraska Press, Lincoln, NE
 13. Nitko, A. J. : Educational Tests and Measurement: An Introduction. Harcourt Brace Jovanovich, New York 1983.
 14. Popham, W.J. : Modern Educational Measurement (2nd Ed.) Prentice Hall, Englewood Cliffs, N. J. 1960.
 15. Tuckman, B. W. : Testing for Teachers (2nd Ed.), Harcourt Brace Jovanovich, New York, 1988.
 16. Fergusum, G. A. & Nakane, Y., Statistical Analysis in Psychology and Education. MC. Graw Hill, New York.

PAPER-VII

CURRICULUM DEVELOPMENT

I. Bases and Determinants of Curriculum

Philosophical, psychological, sociological
Discipline - Oriented considerations.

II. Curriculum Design, Construction and Development

Principles, Approaches of curriculum design.

Construction and Development of curriculum different models : Administrative

- Grass - root
- Demonstration
- Systems Analysis

III. Curriculum Implementation :

Leadership role; Community Participation, Instructional guides for the teachers and students.

IV. Curriculum Evaluation :

Formative; Summative

Interpretation of evaluation results

V. Issues, Recent Trends and Researches in Curriculum in India.

Views of the following commissions on curriculum in India.

University Education Commission 1948

Secondary Education Commissioning 1952

Education Commissioning 1966

REFERENCE

1. Atkin, E: Curriculum Planning, harper & Bros, New York.
2. Dave R. H. : Lifelong Education and the School Curriculum, U. I. E., Humburg. 1973.
3. Herrick, V. E. (etal) : Towards Improved Curriculum Theory, University of Chicago Press, Chicago.
4. Hooper, R. (ed) : The Curriculum concert, Design and Development. Oliver and Boyd. Edinburgh.
5. NCERT mobile team workshop in Curriculum Development NCERT, New Delhi, 1978.
6. NCERT curriculum in transaction, NCERT NEW Delhi 1978.
7. Patel Committee Report, 1977.
8. Report of the University Education Commission (1948-49) Govt. of India.
9. Report of the Educational Commission 1964-65 Govt. of India.

PAPER-VIII

HIGHER EDUCATION AND TEACHER FUNCTION

I. Development in Higher Education

Report of the University Education Commission
Report of the Education Commission 1964-66.
National Policy on Education 1968 & 1986. National
Commission on Teacher II

II. Management of Higher Education at the Centre

Universities, Institution Deemed to be Universities
Institutions of National Importance UGC, AIU;
Autonomous Colleges. Vocationalisation of higher
education, Academic Staff Colleges.

III. Management of Higher Education at the State

Universities, Autonomous Colleges, Administration
of Education at the State. Conditions of recognition
of Colleges. Orissa University Act. Vocationalisation
of Higher education.

IV. Problems in Higher Education :

Student government, Examination reform, Teacher
Ethics, Teacher accountability. Working days.
tutorial, Educational Complex, Co-Curricular
activities, Evaluation of Courses. Community
Involvement in College Programmes.

V. Teaching Methods

Lecture, Project, discussion, Lecture-cum-
discussion. Project, Computer assisted instruction,
Teaching by using video cassettes. O.H.P. Slides,
Chalk board, Charts, Worksheets, use of printed
materials in programmed learning style, Simulation
and games, Field trips.

REFERENCE

1. Vedanayagam, E. G. Teaching technologies for
College teachers. Sterling, New Delhi, 1988.

REFERENCE :

1. Adaval, S: Teacher Education in UK. Greg Bros.
Allahabad.
2. Astraf, Jr. Soviet Education, Sterling, New Delhi,
1978.
3. Chaube, S. P. : Features of Comparative Educational
in India, Vinod Pustak Mandir, Agra, 1985.
4. Bauchamp, G. A. and Baucham K.E. : Comparative
Analysis in Curriculum system, Kaag Press,
Wilmeter, 1967.
5. Edwards R. Holmes, B. and Vande Gratt, J: Relevant
Methods in Comparative Education, U.I.E.,
Humburg, 1973.
6. Hans, H. : Comparative Education, Routledge and
Kegan Paul, London, 1959.
7. Harris H.T.B : Administrative Structures of Education:
Case studies of Sixteen Countries. Unes Co. Paris,
1983.
8. Holmes, B : Problems in education : A comparative
approach, Routledge and kegan Paul, London.
9. Holmes B. and Robinson, S. B. : Relevant date in
Comparative Education, U.I.E. Humberg.
10. Meyer, A.E. : Development of Education in 20th
Century, Prentice Hill, Englewood Chifts.

PAPER - VIII

EDUCATIONAL ADMINISTRATION

Educational administration, Supervision and finance

1. Development of modern concept of Educational
administration from 1990 to the present day
Taylorism, Administration as a process:
Administration as a bureaucracy: Human relations
Approach to Administration.

Meeting psychological needs of employees, Systems approach specific trends in Educational administration. Such as

- a) Decision Making
- b) Organisational Compliance
- c) Organisational Development
- d) PERT

II. Leadership in Educational Administration :

Meaning and nature of Leadership, Theories of Leadership, Style of leadership, Measurement of Leadership.

III. Educational planning:

Meaning & Nature : Approaches to Educational planning; Perspective planning; Institutional Planning.

IV. Educational Supervision :

Meaning and nature : Supervision as a service activity, Supervision as a process, Supervision as function, Supervision as educational leadership; Traditional Vs. Modern Supervision; Functions of Supervision; Planning and Supervisory programme; Organising supervisory Programme; Implementing Supervisory programme.

Problems of Financing Education in India :

Resources and Expenditure of Education.

REFERENCES:

1. Bhalnagar, R. P. & Agrawal, V. : Educational Administration, Loyal Book Depot, Meerut.
2. Commonwealth Sect. : Educational Administration and supervision Commonwealth Sect, London 1980.

3. Commonwealth Case Book for School Administrators Case Studies in Theory and Practice. Commonwealth Secretariat, London, 1980.
4. Desai, D. M. : Outlines of Educational Administration in India, A. R. Seth, Baroda, 1964.
5. Duke. D. L. : School Leadership - I, Instructional Improvement, Random House, New York, 1987.
6. Harris, HTB : Administrative Structures in Education Unesco, Paris, 1983.
7. Hoy, W. K. and Forsyth, P. B. : Effective Supervision Theory and Practice, Random House, New York, 1986.
8. Hughes, M. : Leadership in the Management of Education, A Hand Book for Educational Supervisors, Commonwealth Sect., London.
9. Mohanty, J. : Educational Administration, Menaka Prakashani, Sambalpur.
10. Mukherji, S. N. : Administration of Educational Planning and Finance, Acharya Book Depot, Baroda 1970.
11. Mukherji, S. N. : Secondary School Administration Acharya Book Depot, Baroda, 1965.
12. Naik, J. P. Educational Planning in India.
13. Shukla, P. D. Administration of Education in India, Vikash, New Delhi, 1983.
14. Shukla, S. P. : Educational Administration, Vinod Pustak Mandir, Agra, 1982.
15. Wayne, K. H.: Educational Administration. Theory Research and Practice, Random House, New York, 1987.
16. Kochar, S. K. : Secondary School Administration Sterling, New Delhi.

III. Education on the Visually Impaired :

Characteristics; degrees of impairment; etiology and prevention; educational programmes.

IV. Education of the Hearing Impaired and Orthopaedically handicapped :

Hearing Impaired :

Characteristics; degrees of impairment, etiology and prevention, Educational programmes.

Orthopaedically Handicapped -Types of handicap. Characteristics, Educational programmes.

V. Education of the Gifted :

Characteristics

Creativity and Identification Process

Educational Programming

Non-intellective factors in Gifted.

Gifted and under achievement.

REFERENCE

1. Allay, G. and Deshler, D.I. Teaching and Learning Disabled Adolescent Love Publishing Co. Denver. 1979.
2. Gerhart, B. R. and Wesihahn. M.W. : The Exceptional Student in the regular classroom C. V. Mosby St. Louis.
3. Gearhart, B. R. : De Ruiter. J. A. : and Silco. T. W. Teaching Mildly and Moderately Handicapped Student, Prentice Hall, N. Delhi, 1986.
4. Salvia, J. and Yss Eldyke, J. : Assessment in Special and Remedial Education. Houghto Mifftin, Boston.
5. Strauss, A and Lentinen. L : Psychology and Education of the Brain Injured Child Grane and Tratten New York. 1947.

2. Sharma, G. D. and Ahmed, S. R. (Eds.) Methodologies of teaching in Colleges NIEPA, New Delhi 1986. .
3. Upasani, NIS. Effective College Teaching, SNDT. Bombay, 1980.
4. Mohanty, S. B. Improving University & College Teaching. Ashis, New Delhi.
5. Report of the : University Education Commission 1948-49.
6. Report of the Education Commision 1964-66.
7. National Policys and Education 1968 & 1986.
8. Annual Reports of MHRD, Govt. of India.
9. Orissa University Act.
10. Annual Reports of the Dept. of Edn. Govt. of Orissa.
11. Shah, S.Y. New Technologies for Higher Education AIV, New Delhi. `
12. Shah, A. B. : Modernisation of University Teaching. Nachiketa, New Delhi.
13. Beard R. M. : Research into Teaching Methods in Higher Education, SRHE London.
14. Beard, R and Heastley J. : Teaching and Learning in Higher Edn. Harper and Row, London.
15. Mackenzie Netal : Teaching and Learning. An introduction to new methods and resources in higher education. Unesco, Paris.

PAPER - IX

GUIDANCE AND COUNSELLING IN EDUCATION

I. Guidance and Counselling :

Concept; Principles; types : Educational, Vocational and personal; kinds - individual & group Bases of guidance - Psychological, sociological and educational.

II. Tools and Techniques of Guidance :

Records : Kinds and relevance, Scales and tests : kinds, relevance.

Communication of results

Techniques; - Directive, non-directive & elective counselling.

Interviews : role and method.

III. Occupational Information Service :

Meaning, filling of information.

Collection and dissemination

National classification of occupations Sources of Information.

IV. Organising Guidance Services :

Organising guidance services : at different level of education.

Kinds of services : Information, testing, Counselling, follow up.

V. Testing and Non-testing Techniques

Test and their significance in guidance programmes. Development and use of non-testing techniques, Cumulative record.

Interview Schedules. Questionnaires.

Sociometric approaches.

Equipping the guidance worker.

REFERENCE

1. Crow L. D. and Crow A: An Introduction to Guidance, Eurasia, New Delhi.
2. Dosajh, N. L. : Guidance Service in India. Arya Book Dept. New Delhi.

3. Jayaswal, S. R. : Guidance and Counselling, Prakashan Kendra, Lucknow.
4. Gupta, S. K. : Guidance and Counselling in India, Mittal Delhi.
5. Jones, A. J. : Principles of Guidance, Mc. Graw Hill New York. .
6. Kochar, S. K. : Educational and Vocational Guidance in Secondary Schools, Sterling, New Delhi.
7. Nanda, S. K. and Sharma, S. : Fundamentals of Guidance, NBS Ednal Publishers, Chandigarh.
8. Miller C. H.: Guidance Services, An Introduction Harper & Row, New York.
9. Newsome, A., Thorne, B. J. I. Wyld, K.W. : Student Counselling in Practice, University of London Press London.
10. Traxler : Techniques of guidance, Mc. Graw Hill, New York.
11. Wall, W.D. : Psychological Services for Schools, UDE, Himgurg, 1956.
12. Aggarwal, J. C. : Educational Vocational Guidance & Counselling, Doaba, New Delhi.

PAPER - IX

SPECIAL EDUCATION

I. Concept and Nature of Special Education :

Objectives, types, historical perspective, integrated education.

II. Education of Mentally retarded :

Characteristics of the retarded, educable mentally retarded' teaching strategies; enrichment programme; remedial programmes, etiology and prevention.

PAPER - IX
TEACHER EDUCATION

I. Teacher Education :

Historical perspective; recommendations of various commissions on teacher education:

Kothari Commission, National Policy on Education; Aims and objectives of teacher education at : Elementary, Secondary and College levels.

II. Teaching as a profession :

Professional organizations for various levels of teachers and their role; Performance appraisal of teachers, faculty improvement; Programme for teacher education.

III. Types of teacher education programmes and agencies :

In service teacher education; Pre-service teacher education; Distance education and teacher education, Oriented and Refresher Courses.

IV. Current Problems :

Teacher education and practicing schools
Teacher education and community
Teacher education and other institutions.
Teacher education and non-formal education.

V. Implementation of curricular of Teacher education - Areas of Research.

Teacher Effectiveness
Criteria of Admission
Approaches of teaching

REFERENCE

1. APEID : Alternative, Structures and Methods in Teacher Education, UNESCO, Bangkok, 1975.

2. APEID Teacher Education, Directions of Change. UNESCO, BANGKOK.
3. APEID : In service, Training and Tomorrow's Primary education, UNESCO, Bangkok, 1979
4. Balam R. z In service Education and Training of Teachers, OECD, Paris, 1982.
5. Common-wealth : inservice Teacher Education in the Commonwealth, Commonwealth Secretariat, London, 1982.
6. Cropley, A. J. and Dave, R. H. : Lifelong education and the training of teachers, UIE, Humburg, 1978.
7. DES : Teacher Training and the Secondary School HMSO, London; 1981.
8. Dove, L.A. : Life long Teacher Education and the Community School, Vie, Humburg, 1982.
9. Gage, N. L. : The Scientific Basis of the Art of teaching Teachers College Press, New York, 1978.
10. Gage, N. L. (ed.) : Handbook of Research on Teaching Rand MC Nally, New York, 1963.
11. Hoffman. J. V. and Edwards, S. A. : Reality and Reform in Clinical Teacher Education., Random House, New York, 1987.
12. Hopkins, D. And Reid M. : Rethinking Teachers Education, Crom Helm, London, 1985.
13. Hoyle, E. and Meggary. J. : Professional, Development of Teachers, Kogan page, London, 1980.
14. Khan, H: Teachers Resources Centres. Commonwealth Secretariat, London.
15. Ministry of Education; Report of the Secondary Education Commission (1952-53). Govt. of India. New Delhi, 1953.
16. Ministry of Education : Report of Education Commission (1964-66); Govt. of India, New Delhi, 1966.

17. Ministry of HRD, National Policy on Education 1996, Govt. of India, New Delhi, 1986.
18. Mohanty, S. B. : Lifelong and Adult Education, Ashish Publishing House, New Delhi, 1987.
19. Mohanty, S. B : Teacher Education, Menaka Prakashani Sambalpur, 1990.
20. Mukherji, S. N. (ed) Education of teachers in India S. Chand, New Delhi
21. NCERT; Secondary Teacher Education Curriculum NCERT, New Delhi.
22. NCTE; Policy Prespectives in Teacher Education 1998.
23. UNESCO ; Learning to be, UNESCO, Paris 1972
24. UNESCO : Education on the move, UNESCO , Paris 1975
25. UNESCO : Learning the treasure within UNESCO Paris.

PAPER - X

DISSERTATIONS 100 Marks

The Candidate shall be required to choose a problem on which Heil She will carry on intensive experiment and work during Part II course under the guidance of a teacher,

The marks on the work shall be distributed as follows:

On the work	-	80 Marks
Viva. Voce	-	20 Marks

The evaluation of work on the dissertation shall be done jointly by an external examiner and the teacher guide.