

## Paper V : Educational Evaluation &amp; Statistics

## Objectives

1. To enable the students to understand the concept of measurement & evaluation as applied to education.
2. To familiarize the students about the various types of educational and psychological tests
3. To enable the students to develop the competency in solving various statistical problems

## Unit - I Introductory Concepts

- ✓ Concept of Measurement & Evaluation ✓
- ✓ Distinction Between Measurement & Evaluation ✓
- ✓ Process and Purpose of Evaluation ✓
- ✓ Bloom's Taxonomy of Educational Objectives under Cognitive Domain ✓

## Unit - II Test Characteristics

- ✓ Classification of Tests ✓
- ✓ Concept of Standardized & Teacher Made Test ✓
- ✓ Characteristics of a good Test ✓
- ✓ Reliability and Method of Determining Reliability by Test - Retest Method ✓
- ✓ Validity and Method of Determining Content Validity ✓

## Unit - III Psychological Test

- ✓ Likert's Attitude Scale ✓
- ✓ Cattell's Sixteen Personality Factors (16PF) ✓
- ✓ Stanford Binet Test of Intelligence ✓

## Unit - IV Graphical Representation of Grouped Data

- ✓ Histogram ✓
- ✓ Frequency Polygon ✓
- ✓ Cumulative Frequency Curve ✓
- ✓ Ogive ✓

## Unit - V Central Tendency &amp; Dispersion

- ✓ Measures of Central Tendency : Mean Median & Mode ✓
- ✓ Measures of Dispersion : Range, Quartile Deviation, Average Deviation and Standard Deviation ✓

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Unit – VI Correlation and NPC

- Concept and types of Correlation
- Spearman's Rank Difference Method of Correlation
- Normal Probability curve : Concept & characteristics

*List of suggested readings: ( Paper – V)*

- 1 Aggarawal, J.C. *Essentials of Examination System: Evaluation Tests & Measurement. Vikas Publishing House New Delhi, (1997)*
- 2 Best J.W. & Khan J.V. *Research in Education (Sixth Edition) Prentice Hall of India, Pvt. Ltd. New Delhi, (1998)*
- 3 Cronbach, L.J. *Essentials of Psychological Testing, New York, Harper and Brothers. (1960).*
- 4 Garrett H.E. *Statistics in Psychology and Education, Eastern Book House, Shantipur, Guwahati- (1995)*
- 5 Julian C. Stanley & Kenneth D. Hopkin *Educational and Psychological Measurement and Evaluation, Prentice Hall of India, Pvt. Ltd. New Delhi, (1978)*
- 6 Kerlinger, F.N. *Foundations of Behavioural Research, Surjeet Publications, Delhi. (1978).*
- 7 Rajamanickam, M. *Statistical Methods in Psychological and Educational Research, H.P. Bhargava Book House, Agra- (2001)*
- 8 Singha, H.S. *Modern Educational Testing, Sterling Publisher & Co. New Delhi (1974)*
- 9 Sharma, R.A. *Essentials of Measurement in Education & Psychology. R.Lall Book Depott Meerut, (2004)*
- 10 Sungoh, S.M. *Educational Evaluation and Testing Himalaya Book House Shillong (2006)*

Course Objectives :

1. To familiarize the students with some interventions in elementary education
2. To acquaint the students with the efforts made regarding secondary education
3. To familiarize the students with some quality issues in Higher Education
4. To enable the students to understand some recent issues & trends in education.

Unit I : Pre-School Education

- Type of Pre-primary Schools
- Anganwadi's Balwadis, Creches' Day Care Centres
- Integrated Child Development Service (ICDS)
- Role of Indian Council for Child Welfare (ICCW)

Unit II : Elementary Education

- ✓ Sarva Shiksha Abhiyan (SSA) : Programme for Universalisation of Elementary Education
- Role of Block Resource Centres (BRC'S), Cluster Resource Centres (CRC'S) and Village Education Committees (VEC'S)
- Literacy Mission

Unit III : Secondary Education

- ✓ Rashtriya Madhyamik Shiksha (RMSA)
- Vocationalization of Secondary Education
- Role of NCERT, CBE and MBOSE
- Navodaya Vidyalaya's : Objectives and Quality Concerns

Unit IV : Higher Education

- Quality & Excellence in Higher Education
- Role of UGC, NAAC and AICTE
- Knowledge Commission Report 2007 with reference to higher Education
- Globalization of Higher Education

Unit V : Teacher Education

- Concept Need and Scope of Teacher Education
- Pre-Service and In-service Teacher Education Programmes
- Role of DIET, CTE, DERT and NCTE in Teacher Education
- Duties and Responsibilities of a Teacher

Unit VI : Current Trends

Concept, Need, Scope and Programmes of the following :

- Population Education
- Environmental Education
- Human Rights Education
- Women Empowerment through Education

List of suggested readings: ( Paper – VI)

1	Adhinarayana P Reddy	Post-literacy and Continuing Education, H.P. Bhargava, Book house, Agra (1999)
2	Bates, A.W.	Technology, open Learning and Distance Education, Eastern Book House, Shantipur, Guwanati (1995)
3	Chauhan, C.P.S	Modern Indian Education, Kanishk Publisher, New Delhi, 2004.
4	Dash, M	Education in India: problems and perspectives, al Administration in Assam, Eastern Book House, Shantipur, Guwanati- (2000)
5	Gupta, P.K.	Population Education, H.P. Bhargava, Book house, Agra
6	Joshi, K.M.	Higher Educational Developmental Issues, H.P. Bhargava, Book house, Agra (2000)
7	Kumar, K.	Life long Education, Eastern Book House, Shantipur, Guwanati- (2000)
8	Mehta, A.C.	Education for all in India, Eastern Book House, Shantipur, Guwanati- (2000)
9	Misra B.K. & Mahanty R.	Trends & Issues in Education R.Lall Book Depot, Meerut, (2003)
10	Mohanty, J.	Human Rights, Education, Deep & Deep publications, New Delhi, (2007)
11	Narkhedhi, S.P.	Challenge of Higher Education in India, Bani Mandir, Guwahati- (2000)
12	Rao, V.K. & Reddy R.S.	Adult and Non-Formal Education, H.P. Bhargava, Book house, Agra (1999)
13	Saxena N.R.; Misra B.K. and Mohanty R.K.	Teacher Education. R.Lall Book Depot Meerut, (2004)
14	Sharma R.A. & Sharma R.K.	Problems of Education, H.P. Bhargava, Book house, Agra (2001)

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15 Shirur, R.R. Non-Formal Education for Oevelopment, H.P. Bhargava, Book house, Agra (1999)

16 Sharma, R.N. History & Problems of Education in India. Laxmi Narain Agrawal Publisher, Agra, (2006)

17 Singh & Surdarshan Population Education, H.P. Bhargava, Book house, Agra (1996)

18 Singh, M.S. New Trends In Education, Anubhav publishing House, Allahabad, 2007

19 Sungoh, S.M. An Introduction to Environmental Education. Akashi Book Depot. Shillong- (2006)

20 Tilak, J.B.G. Women's Education and Development Gyan Books Pvt. Ltd, New Delhi, 2007  
6<sup>th</sup> Semester

**Paper - VII : Educational Technology**

**Objectives:**

1. To enable the students to understand the nature & scope of educational technology
2. To acquaint the students about the various innovations in educational technology
3. To enable the students to understand the functions, principles and operations of teaching
4. To familliarize the students about various levels & skills of teaching

**Unit - I Introductory Concept**

- Concept and Scope of Educational Technology
- Types of Educational Technology
- Systems Approach to Instruction

**Unit - II Communication**

- Concept & Process of Communication
- Types of Class Room Communication
- Education through Mass-media (Radio, Television & Press)
- ICT in Education

**Unit - III Teaching Technology**

- Programmed Instruction
- Computer Aided Instruction
- Teaching Aids - Types & uses

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Unit - IV Teaching Concepts

- Teaching : Concept, Function and Principles
- Characteristics of Effective Teaching
- Teaching Operations at various Stages (Pre-Active - Interactive and Post-Active)

Unit - V Teaching Methods

- Methods of Teaching : Lecture, Demonstration, Problem solving and Discussion
- Levels of Teaching : Memory, Understanding and Reflective level
- Teacher Behaviour : Authoritarian, Democratic and Laissez faire.

Unit - VI Skills of Teaching & Micro-teaching

- Skills of Teaching
- Micro-teaching
- Team Teaching
- Evaluation of Teaching.

List of suggested readings: (Paper - VII)

- 1 Chand, Tara Educational Technology, H.P. Bhargava, Book house, Agra 1999)
- 2 Chand, Tara Principles of Teaching, H.P. Bhargava, Book house, Agra 1999)
- 3 Chauhan, S.S. A Textbook of programmed Instruction, Sterling Publishers Pvt. Ltd. New Delhi, (1978)
- 4 Dhand Harry Techniques of Teaching, H.P. Bhargava, Book house, Agra (2000)
- 5 Maitreya Balsara Principles of Curriculum Reconstruction, H.P. Bhargava, Book house, Agra (1998)
- 6 Mohanty, J. Educational Technology . Deep & Deep Publications, New Delhi, (2007)
- 7 Ram, S. Modern Methods of Teaching, H.P. Bhargava, Book house, Agra 1998)
- 8 Rawat, S.C. Essentials of Educational Technology, R.Lall Book Depot, Meerut, (2004)
- 9 Sankhala, D.P. Educational Technology, Anubhav Publishing House, Allahabad-(2007)

10 Saxena Swaroop, N.R.

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Technology of  
house, Agra (2000)

11 Saylor, J.Galen; William  
Alexander & Arthur J.Lewis

Curriculum Planning,  
Learning 4<sup>th</sup> Edition, New York,  
and Winslow

12 Sharma, R.A.

Technology  
Publishing House

13 Sharma, R.A.

Technology  
Publishing House

14 Sharma, R.A.

Technology of Teaching, H.P. Bhargava, Book  
House, Agra (1999)

15 Vashist, S.R.

Curriculum Construction, H.P. Bhargava, Book  
House, Agra (2000)

16 Venkatalah, N.

Educational Technology. S. K. Enterprise Book  
Seller and Distributors, Keating Road, P.O. Box  
No. 35. Shillong -1 (1999)

17 Venkatalah, N.

Curriculum Innovations for 2000 A.D. H.P.  
Bhargava, Book House, Agra (2000)

6<sup>th</sup> Semester

Paper – VIII : School Management

### Objectives

1. To develop knowledge and understanding of the Concept of School Management
2. To enable the students to understand the process of School Management.
3. To develop the familiarity with the Concept, Need and Scope of Educational Planning.
4. To enable the students to understand the Concept, Determinants & Principles of Curriculum Construction.

TL ✓ Unit – I School Management

Concept & Scope of School organization and Management  
Types of School Management : Centralized and Decentralized, Authoritarian &  
Democratic  
Objectives and Principles of School Management.  
Characteristics of Successful School Management: