



**TRIPURA UNIVERSITY**

(A Central University)  
Suryamaninagar-799022

**Syllabus**

**OF**

**Education  
(Major & General)**

**Semester - IV**

**2014**

Pass/ Elective

Semester- IV

Paper- p4

**MEASUREMENT, EVALUATION AND STATISTICS IN EDUCATION**

Full marks: 80+20= 100

**Objectives:**

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

**Course contents**

**Unit- I: Introduction to Measurement and Evaluation**

- Concept of Measurement and Evaluation
- Distinction between Measurement and Evaluation
- Needs and types of Evaluation
- Bloom's Taxonomy of Educational Objectives under Cognitive Domain

**Unit- II: Tools and Techniques of Evaluation**

- Different types of Tools and Techniques of evaluation
- Concept of Standardized and Teacher Made Test
- Characteristics of a good Test
- Reliability and Method of Determining Reliability by Tests- Retest Method
- Validity and Method of Determining Concept Validity
- Factors Effecting Reliability and Validity

**Unit-III: Basic Concept of Educational Statistics**

- Tabulation of Educational data
- Measures of Central Tendency: Mean, Median & Mode
- Measures of Dispersion: Range, Quartile Deviation, and Standard Deviation.
- Graphical Representation of Educational data (Histogram ,Frequency Polygon & Cumulative Frequency Curve)

## Unit – IV: Correlation and Normal probability curve

- Concept of Correlation
- Spearman's Rank Difference Method of Correlation,
- Product moment method of correlation
- Normal Probability Curve: Concept & characteristics

### Essential Reading

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

### Suggested Readings

- Noll, N.H.S. Cannell , D.P. & Craig, RC, (1979). Intriduction to Educational Measurement. Boston: Houghton Mifflin.
- Macmillan, J.H.(1997). Classroom Assessment, Principles and Practice for Effective Instruction. Boston: Allyn and Bacon
- Hopkins, KD.(1998) Educational and Psychological Measurement and Evaluation. Boston: Allyn and Bacon

- Cohen, R.J., Swerdlik, M.E., & Phillips, S.M. (1996). Psychological testing and Assessment. An Introduction to the Tests and Measurement. California: Mayfield Publishing Co.
- NCERT(2005) National Curriculum Framework, 2005. New Delhi : NCERT
- NCERT (2006). Focus Group Position Paper : Examination Reforms. New Delhi: NCERT
- NCERT (2008). Source Book on Assessment for class I-V : Social Sciences. New Delhi: NCERT

# HONOURS

## Semester-IV

### Paper –H4

#### Contemporary Trends and Issues in Education

Full marks: (80+20) =100

#### Unit-I: Education and Child Welfare

- Pre- primary Education
- Anganwadi's, Balwadi's , Creches', Day Care Center.
- Integrated Child Development Service (ICDS)
- Role of Indian Council for Child Welfare (ICCW)

#### Unit – II: Educational Organizations and their roles

- Role of NCERT, SCERT, DIET, TBSE in School Education.
- Role of UGC, NAAC, AICTE, ICSSR, NUEPA, CSIR, in Higher Education.
- Globalization, Privatization & Liberalization of Higher Education.
- Quality and Excellence in Higher Education

#### Unit-III: Contemporary Trends in Education

- Vocationalization of Education.
- Value oriented Education.
- Inclusive Education
- Current Problems of Indian Education; with special reference to
  - Language Problem,
  - Student unrest,
  - Education and unemployment

#### Unit – IV: Emerging Issues in Education

- Population Education
- Environmental Education

- Education for Woman Empowerment
- Teacher Education in India.

### Essential Readings

- Gupta, P.K Population Education, H.P.Bhargava, Book House, Agra .
- Saxena N.R.& Misra B.K. and Mohanty R.Y. Teacher Education . R. Lall Book Depot Meerut , (2004)
- Sharma R.A & Sharma R.K. Problems of Education , H.P. Bhargava, Book House, Agra (2001)
- Singh & Surdarshan Population Education, H.P. Bhargava, Book house, Agra (1996)
- Singoh, S.M. An Introduction to Environmental Education. Akashi Book Depot. Shillong- 2006
- Tilak, J.B.G. Women's Education and Development Gyan Books Pvt. Ltd. New Delhi, 2007

### Suggested study

- Abhinayana P Readdy Post – literacy and Continuing Education , H.P. Bhargava, Book house , Agra( 1999)
- Chauhan, C.P.S Modern India Education, Kanishk Publisher, New Delhi, 2004
- Joshi, K.M. Higher Educational Developmental Issues, H.P.Bhargava, Book house Agra (2000)
- Kumar,K Life long Education , Eastern Bookd House,Shantipur, Guwahati (2000)
- Misra, B.K and Mahanty R. Trends and Issues in Education R.Lall Book Depot, Meerut, (2003)
- Mohanty . J. Human Rights, Education , Deep and Deep Publications, New Delhi (2007)
- Narkhedi, S.P. Challenge of Higher Education in India, Bani Mandir, Guwahati (2000)
- Rao , V.K. and Reddy R.S. Adult and Non – Formal Education , H.P. Bhargava , Book house , Agra (1999)
- Shirur, R.R. Non-Formal Education ffor Development, H.P. Bhargava, Book house (1999)
- Sharma, r.n. History and Problems of Education in India. Laxmi Narain Agarwal Publisher, Agra(2006)