

SARDAR PATEL UNIVERSITY
Programme: Master of Education
Semester: IV
Syllabus with effect from: December 2016

Paper Code: PE04EMD2C1	Total Credits: 4
Title Of Paper: (P-1) Educational Measurement & Evaluation	

Unit	Description in detail
1	The Measurement & Evaluation Process <ol style="list-style-type: none"> (1) Concept of Measurement & Evaluation (2) General principles of Evaluation process (3) Role of evaluation in Teaching – Learning process (4) Types of Testing and Evaluation procedure
2	Preparing Instructional objectives <ol style="list-style-type: none"> (1) Instructional objectives as learning outcomes (2) Taxonomy of Instructional objectives <ol style="list-style-type: none"> (i) Cognitive domain (Revised) (ii) Affective domain (iii) Psychomotor domain (3) Methods of stating instructional objectives
3	Constructing Classroom Tests <ul style="list-style-type: none"> • Planning the classroom tests • Constructing objectives test items <ul style="list-style-type: none"> - Short answer - construction, advantages & Limitations - Multiple choice - construction, advantages & Limitations • Measuring complex achievement <ul style="list-style-type: none"> - Essay test - Construction, advantages & Limitations • Interpretive exercise – nature, form, <ul style="list-style-type: none"> - construction, merits & limitations
4	New trends in Educational Measurement and Evaluation <ol style="list-style-type: none"> (1) Question Bank – Nature & Construction (2) Grading system – nature, procedure of grading (3) Semester system (4) Continuous internal assessment (5) Use of Computer in Evaluation

Basic Text & Reference Books:

- Adkins, D.C. Statistical Columbus. Ohio Charles e Merrill books Inc. 1964.
 Anderson, T.R. & Morris, Zelditch, Jr. A Basic Courses in Statistics New York: Hoft. Rinchar & Winston, 1968.
 Chamption, F.J. Basic Statistics for Social research, New York, Macmillan Publishing Co. Inc. 1981.



- Cohah, Lewis & Michael, Holdiday, Statistics for Education and Physical Education. London : Harper & Row Publisher, 1979.
- Downie, M.M. & Experiemental Design in Psychological Research, New York: Holt. Rinchar & Winstons. 1968.
- Edwards, A. L. Statistical Methods for the behavior Science, New York : Holt Rinchar & Winstons. 1967.
- Ferguson, G.A. Statistical Analysis in Psychology & Education New York: McGrew Hill Co. Inc. 1966.
- Fruchter, B. Introduction to Factor Analysis, New Delhi. Affiliated East West Press Pvt. Ltd. 1967.
- Gattert, H.E. & Woodworth, R.S. Statistics in Psychology and Education, Bombay: Vakils, feffer & Simons Pvt. Ltd., 1979.
- Guilford, J.P. Fundamental Statistics in Psychology and Education New York: McGraw Hill, 1965.
- Hays, W.L. Statistics for Psychologists New York Holt Rinehart, & Winston, 1965.
- Hyas, A.K. & May S.T. Statistcal Methods in Education & Psychology New Delhi: Marosa Publishing House, 1980.
- Levin, Jack Elementary Statistics in Social Research, New York Harper & Row Publishers, 1977.
- Lindquist E.F. Statistical Analysis in Education Research, New Delhi Oxford and IBH Publishing Co. 1970
- Lynch, M.D. & Hundruberger, D.V. Elements of Statistical Inference for Education and Psychology, London: Allways & Bacon Inc. 1976.
- Popham, W. Hames & Sirethik, K.A. Educational Statistics New York:L Harper & Row 1973.
- Siegel Sixney, Non Parametrics Statistics for the Behour Sciences New York : Mc. Graw Hill, 956.
- Tate, M.V. Statistical Princi;es in Experiemental design. New York McGraw-Hill, 1971.
- Winer, B.J. Statistlcal Principles in Experiemental design. New York : McGraw Hill, 1971.
- Winer, B.J. Statistical Principles in Experimental Design, New York : McGraw Hill, 1971
- ઉચાટ ડી.એ. વિચરણ પૃથ્થરણ રાજકોટ : સ્વ.ડી.એચ.ત્ર.દેસાઈ મેમોરીયલ ટ્રસ્ટ-૧૯૯૨
- ત્રિવેદી એમ. ડી. અને પારેખ, બી.યુ. શિક્ષણમાં આંકડાશાસ્ત્ર અમદાવાદ : યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ, ૧૯૮૯

