

SAINT CLARET COLLEGE, ZIRO

B. A. (EDUCATION)

SYLLABUS AS PER RGU SEMESTRAL SCHEME

(Subjected to syllabus enrichment by SCCZ for Claretines)

Semester VI

BEDU- 602: EDUCATIONAL MEASUREMENT AND EVALUATION

Marks: 80 (ESE) + 20 (CIA) = 100

Objectives: Having studied this paper, the student will be able to:

- a. Explain the concept of measurement and evaluation*
- b. Explain Instructional Objectives and educational objectives*
- c. Apply the basics of Statistics and its uses*
- d. Describe the tools and techniques of evaluation*

Unit 0: Foundational Unit (3 hours): Objectives and Goal setting, Basics of Statistics

Unit I: Concept of Measurement and Evaluation (8 hours): Meaning of Measurement and Evaluation; Concept of Educational Measurement and Evaluation; Difference between Educational Measurement and Evaluation; Function of Measurement and Evaluation in Teaching Learning Process; Scales of Measurement and their Use.

Unit II: Instructional Objectives in Educational Evaluation (10 hours): Concept and Nature of Instructional Objectives; Formulation of Instructional Objectives in Behavioural Terms; Taxonomy of Educational Objectives: Cognitive Domain, Affective Domain, Psycho-motor Domain.

Unit III: Tools and Techniques of Evaluation (10 hours): Types of Evaluation:- Placement, Formative, Diagnostic and Summative Evaluation; Achievement test and their Purpose in teaching; Techniques: Testing Technique – Test, Non-Testing Technique: Observation, Interview and Questionnaire.

Unit IV: Descriptive Statistics (14 hours): Importance of Statistic in Education; Measure of central Tendencies: Mean, Median and Mode- their Computation and Application in Education; Measures of Variability: Range, Mean Deviation, Standard Deviations (SD) Quartile Deviation- their computation and uses.

Unit V: Correlation (15 hours): Co-efficient of correlation, methods of Computations of co-efficient of correlation - Spearman's rank Difference Method and Pearson's Product Moment method with their computations; normal Probability Curve: Concept, Properties and their Application.

Unit 100 - Advanced Unit: Application of Statistics in day-to-day life; Quizzes; Journal/Magazine article discussion assignment; Projects.

Recommended Readings:

Garret, H. E. (1779). *Statistics in Psychology and education*, Bombay: Vakels, Feffer & Simons Ltd.

Ebel, R. L. & Frisble, D. A. (1991). *Essential of Educational Measurement*. New Delhi: Prentice Hall of India Pvt. Ltd.

Groundland, N. E. (1981). *Measurement and Evaluation in Teaching*. New York: MacMillan publishing Co. Inc.

Guilford, J. P. (1956). *Foundational Statistics in Psychology and Education*. New York: Nc, Grand Hill

Lindemar, R. H. (1978). *Educational Measurement*. Bombay: D.B.T. sons & Co. Pvt. Ltd.

Patel, R. N. (1978). *Educational Evaluation Theory and Practices*. Bombay: Himalaya Publishing House.

Bhatnagar, A. B., & Bhatnagar, A. (2011.) *Measurement and Evaluation*. Meerut: (Tyranny of Testing), R. lall Book Dept.

Aggarwal, Y. P. (2004). *Statistical Methods: Concept, Application and Computation*. New Delhi: Sterling Publication Pvt. Ltd.

Grondlund, N. E. (1956). *Measurement and Evaluation in Teaching*. New York: McMillan Publishing Co.

Thorndike, R. M., & Thorndike-Christ, T. (2015). *Measurement and Evaluation in Psychology and Education*. Uttar Pradesh: Pearson.

Verma, R. (2005). *Textbook of Statistics in Psychology and Education*. New Delhi: Anmol Publications Pvt. Ltd.

Mathur, S. S. (2005). *Educational Psychology*. Agra: Vinod Pustak Mandir.

Tate, M. W. (1970). *Statistics in Education and Psychology*. London: Collier-Macmillan Limited.

Asthana, B. (2001). *Measurement and Evaluation in Psychology and Education*. Agra: Vinod Pustak Mandir.

Koul, L. (2009). *Methodology of Educational Research*. New Delhi: Vikas Publishing House.