

GROUP-F ELECTIVE COURSE-I
M.ED. EC115: EDUCATIONAL MEASUREMENT

OBJECTIVES:

The student:

1. Prepare and use Psychological tests of different kinds.
2. Handle data and interpret results.
3. Participate in examination reform.
4. Carry to examination and evaluation work.

Unit-I The Essentials of Evaluation

- 1.1 Concept of measurement
- 1.2 Concept of evaluation
- 1.3 Difference between measurement and evaluation
- 1.4 Types of evaluation
 - Maximum performance V/s typical performance
 - Formative, summative and diagnostic evaluation
 - Criterion referenced V/s norm referenced evaluation
- 1.5 Role of evaluation: diagnosis, prognosis, survey, guidance, Placement, improvement of teaching, learning and testing
- 1.6 Characteristics of evaluation
- 1.7 Steps in the process of evaluation

Unit-II Defining Instructional Objectives

- 2.1 Need of defining objectives
- 2.2 Method of stating objectives
- 2.3 Inter-relation of evaluation, objectives and learning Experiences
- 2.4 Bloom's Taxonomy: Cognitive, Affective and Psychomotor Domain

Unit-III Qualities Desired in any Measurement Procedure

- 3.1 Validity: Nature, types and problems of validity measures
- 3.2 Reliability: Nature, types and problems of reliability measures
- 3.3 Usability: Factors affecting the usability of measurement procedure

Unit-IV Trait Measurement Devices

- 4.1 Measurement of attitudes: Thurstone method, Likert-method, Q-sort technique
- 4.2 Measurement of Interest: Strong Campbell interest inventory, Kuder preference records
- 4.3 Measurement of Behaviour: Sociometry, Rating Scale, Interview, Check-Lists, Observation, Anecdotal records, Case studies, situational tests, self reporting techniques
- 4.4 Measurement of Intelligence: Individual and group test, verbal and non-verbal test and performance-test:
- 4.5 Measurement of personality: self report techniques: Rating scales, problem Check-lists
- 4.6 Projective techniques: Rorschach and Thematic Apperception Test (TAT)