

**GROUP: E ELECTIVE COURSE-II**  
**M.ED. EC114: PSYCHOLOGICAL TESTING**

**Objectives:**

The student:

- 1 Understands the meaning and nature of psychological testing and its underlying- principles
- 2 Selects and-administers tests
- 3 Scores tests and interpret results
- 4 Appreciates the need to have a wide range of test material in the school

**Unit-I Introduction to Psychological Tests**

- 1.1 The meaning and nature of psychological testing
- 1.2 Definition of a psychological test
- 1.3 Types of tests (e.g. individual Vs group, norm-referenced Vs criterion referenced)
- 1.4 Uses of tests
- 1.5 Characteristics of a good test
- 1.6 Misuses of psychological tests and safeguards to avoid them

**Unit-II Test construction**

- (a) General Procedure from the selection of traits to establishing reliability and validity
  - (i) Classification of what is to be measured
  - (ii) Preparing a list of behaviour-trait selection
  - (iii) Item construction
  - (iv) Tryouts of the tests with respect to its objectives
  - (v) Item analysis-qualitative as well as quantitative
  - (vi) Item selection
  - (vii) Special factors to be considered in test construction, format, time, administration, mode of answer, scoring etc.

**Unit-III Sampling at various level of Test construction**

Sampling procedures-need and purpose, major types, sample for pilot studies, item analysis and final run

**Unit-IV Norms, Reliability and Validity:**

3.1 Norms

- (i) Need for norms, its definition
- (ii) Different types of norms and their derivation
- (iii) Kinds of norms-Gender norms, sex norms, age norms etc.
- (iv) Verbal interpretation of different norms and test results

3.2 Reliability

- (i) Concept of different types of reliability & its definition
- (ii) Methods of estimating reliability, their advantages and limitations
- (iii) Standard error of measurement

3.3 Validity

- (i) Definition, different types of validity
- (ii) Pros and cons of each type of validity
- (iii) Relation between reliability and validity
- (iv) Cross-validation, expectancy tables, cut off scores