

DEPARTMENT OF PSYCHOLOGY

PATNA UNIVERSITY, PATNA

RESEARCH METHODOLOGY, sem-1st

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STEPS IN TEST DEVELOPMENT

Definition of Test:-

Psychological test is “an organized succession of stimuli designed to measure quantitatively or to evaluate qualitatively some mental process, trait or characteristics.”

According to Freeman, “a psychological test is standardized instrument to measure objectively any or more aspects of a total personality by means of sample of verbal or non-verbal responses or by means of other behaviours.”

According to Sax, “a test may be defined as a task or series of task to obtain systematic observations presumed to be representative of education or psychological traits or attributes.”

According to Bean, “an item is defined as single question or task that is not often broken down into any smaller units.”

Test construction:-

Test construction is the set of activities involved in developing and evaluating a test of some psychological function. The steps include specifying the construct of interest, deciding the test's function (diagnosis, description of skill level, prediction of recovery), choosing a method (performance, behavioral observation, self-report), designing item content, evaluating the reliability and validity of the test, and modifying the test to maximize its utility. In clinical neuropsychology, the construct of interest is generally a cognitive function, although certain classes of behavior ([Executive Functioning](#)) may also be the construct of interest in tests. Depending upon the construct of interest, different forms of reliability may be differentially important. For the construct of intellectual functions, temporal reliability may be a preeminent concern. For the construct of visual spatial

construction, interscorer reliability may be an important concern.

Steps involved in construction of test:-

- 1.Planning of the test
- 2.Item writing
- 3.Preliminary tryout or experimental tryout of the test
- 4.Reliability of the test
- 5.Validity of the test
- 6.Norms of the test
- 7.Preparation of manual or reproduction of test.