



UNIVERSITY OF
LUCKNOW
एनएलएल

Introduction to Standardization of Test

Dr. Arun Kumar
Associate professor
Department of Education
University of Lucknow, Lucknow - 226007
drarunlu@gmail.com

Check list of planning stage for scholastic test

- 1. what is the purpose of the test
- 2. What I want to measure.
 - Ex. Knowledge, attitude
- 3. Defining instructional Objectives in term of students behaviour
- 4. Preparing a table of specification
- 5. Deciding, What type of test to be developed
- 6. How long the test would be?
- 7. How difficult should be the test.
- 8. What should be the discriminating power

- 9. How will I arrange the various item formats ?
- 10. How will I arrange the various items in item format
- 11. How the objective portion to be scored?
- 12. How the essay portion to be graded
- 13. How the test score to be tabulated
- 14. How the scores are assigned
- 15. How the test result to be reported.

Steps in Standardization of Test

- There are four steps in standardization of any Psychological test
 1. Planning
 2. Preparation of test items
 3. Tryout
 4. Final draft

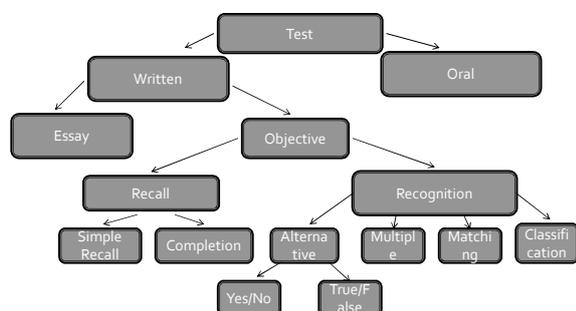
First Step- Planning

- 1. specify the course or unit content
- 2. List the major objective
- 3. define each objective in term of terminal behaviour
- 4. Prepare a table of specification.
- 5. Type of items (objective/ essay)
- Prepare the test items

Two way table of specification/ Blue print

S.N.	Course content	Know.	Comp.	Appl.	analysis	synthesis	evaluation	Total
1	Cell	5	2		3			10
2	Origin of Man	5	5					10
3	Darwinism	4	4	2				10
4	Lamarckism	4	3	2	1			10
5	Nervous system	3	4	2	1			10
6	Resp. system	2	2	4	2			10
7	Alimentary Canal	2	3	3	2			10
8	Blood system							10
9	Sense organs							10
10	Locomotion							10
Total		25	30	25	20			100

Objective type items



Factors to be consider when selecting an item format

- Purpose of the test
- Time available to prepare or scoring
- The number of pupils to be tested
- The physical facilities available
- Teacher's skill

Second Stage –Preparing of test items

- 1. Formulate well defined questions
- 2. Write each test item on a separate card
- 3. Prepare a scoring key
- 4. Prepare more items then we actually needed
- 5. Item should be written after the completion of course or unit
- 6. Items should be given to reviewers

Arrangement of Items

- 1. True/ false Type
- 2. Matching type
- 3. Multiple choice type
- 4. Interpretative Type
- 5. Short answer type
- 6. Essay type

Organization of test Items

- 1. From Easy to difficult
- 2. Group the items with in each section
- 3. writing the test Instructions

Stage Third - tryout

- 1. Selection of sample to be tested
- 2. Selection of items to be included in final version.
- 3. Administration of the test.
- 4. A record of the time taken to complete each sub test.
- 5. Listing of test booklet used at each grade

Stage forth- Final Draft

In fourth stage we have to pass the test through following processes.

1. statistical Item analysis
2. Reliability
3. Validity
4. Norms
5. Final draft or test

Some other points to keep in mind

1. If the number of examine is large than Test should be standardized. Standardized test should have it's Reliability, validity, Norm, Objectivity etc
2. If the number of examine is small then test should be teacher made.

Any Question

Thanks



Dr. Arun Kumar
Associate professor
Department of Education, University of Lucknow
Lucknow -226007
drarunlu@gmail.com Ph. No. 9412551868