

JSS Mahavidyapeeta, Mysuru-570004
JSS Institute of Education
Sakleshpur-573134

Subject / Course: PSS - Physics

Assignment / Seminar on

Concept and Construction
of Unit Test


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Submitted to:


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JSS MAHAVIDYAPEETA, MYSORE- 04
JSS INSTITUTE OF EDUCATION, Sakleshpur

2022/23

Seminar on: PSS-Physics

Topic: Concept and Construction of Unit test

Submitted by:

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II B. Ed teacher trainee

Introduction

Teaching and testing are the integral part of educational system.

Usually the test / Examinations are held based on the entire syllabus. A unit test is not a random assessment of questions. It is preplanned, systematic and scientific test.

A unit test is a test which is constructed, administered and assessed by a teacher after teaching a particular unit to the students.

Definition

- ▶ A Unit test is one of the important evaluation tool. It is constructed, administered and evaluated by the teacher after teaching a particular unit to a group of students for whom he thought.
- ▶ Unit test is a type of achievement test meant for particular unit of teaching by the classroom teacher.

Steps of unit test

The perfect and valid test must have the following steps:

1. Plan the design of the test
2. Editing the unit test
3. Review test item
4. Administering the test
5. Interpret the test results

2. Editing the unit tests:

- A. **Construction of item:** The teacher should construct all possible number of questions on the unit under different objective. The item must be of Objective type, Very short answer type, Short answer type and Essay type.
- B. **Selection of test item:** Based on the blue print, the teacher has to select required number of test items.
- C. **Instruction of test item:** For each type of question, instruction must be written clearly ie what to do how much answer to be written.
- D. **Preparing marking and scoring key:** The teacher should predetermined the scheme of evaluation and scoring key, expected answer and marks allotted.
- E. **Question paper:** Question paper should print legibly in different section like part A, B, C, D etc.

3. Review of the test item:

Critical evaluation of question paper must be made to ensure the Correctness and grammatically constructed to overcome latter confusion.

| Question | Sub unit | Objective | Specification | Type | Marks | Time | Difficulty level |
|----------|----------|-----------|---------------|------|-------|------|------------------|
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| 15 | | | | | | | |

4. Administering the test:

The test should be administered to the student to which class it has to be prepared by giving proper guidance about venue, time etc.

5. Interpret the test results :

The test result has to be interpreted by statistical analysis, based on central tendency, quartiles, NPC and difficulty on,

$$D = (\text{Correct response} / \text{Total number of students}) \times 100$$

Criteria/ Conditions of unit test

1. Select only taught unit
2. Compulsory based on unit and content analysis
3. Selection of different types of Questions
4. Proper weightage to the objectives
5. Writing up of test analysis
6. Allotting marks and time for each item
7. Time and when you of administering the test should prior announcement
8. Proper instruction to each type of item
9. Maintained difficult level of the test item
10. Based on blue print
11. Print the question paper without grammatical mistakes
12. Test should be only for teaching group

Importance of unit test

1. It helps in knowing the pupil's achievement
2. It helps to know whether the objective are achieved or not
3. It is useful to know the weakness and strength the teacher
4. It is part of continuous evaluation
5. It shows that gaps or leaving out areas of learning or teaching
6. It is the best self evaluation for both pupil and teacher
7. It acts as feedback device for teacher to improve his method of instruction
8. It helps to develop self confidence in facing the examination
9. It helps in classify the standard and provide remedial teaching for slow learners and enrichment for gifted children

Conclusion :

The unit tests provide continual feedback information to pupils and teachers as their effectiveness as they proceed through the instructional sequence. It helps us to know the weightage in terms of marks to objectives, areas of content, and forms of questions.

Reference


- ▶ Pedagogy of school subject: physics by Ramachandran
- ▶ <https://testbook.com>
- ▶ <http://pedagogybyvasu.blogspot.com>




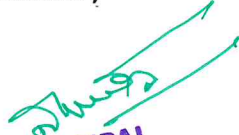
Thank you

Criteria in assessing assignment / seminar

| Components | Max. Marks | Marks obtained |
|------------------------|------------|----------------|
| First draft | 2 | 2 |
| Quality of Information | 2 | 2 |
| Organization | 2 | 2 |
| Presentation | 2 | 2 |
| Discussion | 2 | 1 1/2 |
| Total | 10 | 9 1/2 |


Signature
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