TEST, MEASUREMENT AND EVALUATION

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Test may be called as tool, a question, set of question, an examination which use to measure a particular characteristic of an individual or a group of individuals.

It is some thing which provides information regarding individual’s ability, knowledge, performance and achievement.
According to Barrow and McGee:

- A test is a specific tool or procedure or a technique used to obtain response from the students in order to gain information which provides the basis to make judgment or evaluation regarding some characteristics such as fitness, skill, knowledge and values.
It is the collection of information in numeric form
It is the record of performance or the information which is required to make judgment.

According to R.N. Patel

Measurement is an act or process that involves the assignment of numerical values to whatever is being tested. So it involves the quantity of something.
It is a technique by which we come to know at what extent the objectives are being achieved.

It is a decision making process which assists to make grade and ranking.

According to Barrow and Mc Gee

It is the process of education that involves collection of data from the products which can be used for comparison with preconceived criteria to make judgment.
Evaluation Cycle

1. Framing the objectives
2. Plan the process
3. Implementation
4. Evaluation

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Nature of Test

- The test is reliable
- The test is valid
- It is objective
- Must accomplish with norms
- Should not be expensive
- Less time consuming
- Must produce results and its implementation
- Its feasibility
- Must have educational values
Nature of Measurement

- It should be quantitative in nature
- It must be precise and accurate (instrument)
- It must be reliable
- It must be valid
- It must be objective in nature
It is systematic process
It is a continuous dynamic process
Identifies strength and weakness of the program
Involves variety of tests and techniques of measurement
Emphasis on the major objective of an educational program
Based upon the data obtained from the test
It is a decision making process
SCOPE OF EVALUATION

Related to students

Related to teacher

Related to curriculum
To determine the objectives
To select a particular team
Classification of the students
To select appropriate learning situation
To motivate the students
To develop ability and skill of the students
To find out the rate of improvement or progress
To predict future performance
For grading purpose
To diagnose the learning problem
To determine the effectiveness of teaching (teaching methods)

To adjust the content of course (in relation to determine the no. of subject and content of the syllabi)

Development of norms which may involve in evaluation

To conduct intensive research

To predict the performance and

To develop new programs in the field of physical education and sports
• Evaluating the curriculum program
• Justify physical education programs at different levels
• Continuous assessment
• Develop community interest
• Develop and modification of instructional process
• Overall assessment of total school/college program
• Assessment of teacher’s performance in all respect
• Selection of teachers in various fields
To frame the objectives: setting target, goal according to the need and requirement
To realize that the objectives are achieved or not
To understand the need, ability and capacity of any individual
To evaluate the learner: so that feedback can be given
To evaluate teaching program
For the classification or gradation of the students
To check the progress or improvement of the learner time to time
• For diagnosis of learning program: biomechanics, motor skill, cognitive etc
• Prediction of future performance
• For screening or scrutiny purpose
• Selection of team or individual events
• For intensive type of research it is essential
• For the purpose of guidance and counseling
• For accountability purpose: assign responsibility
• Evaluate different methods of instructions
Principles are guide lines which lead an individual towards right path

Principles are fundamental truth and has the characteristic of universality

Followings are the principles of evaluation:

- Determine the product/result
- Formulating the objective
- Established the process (total physical education curriculum, personal program and environment)
• Collecting data from both product and process
• Broad scope of evaluation (comparison of data with previous objective)
• Necessary for advancement in scientific education
• Subjective measurement (qualitative measurement like leadership, sportsmanship, self concept, anxiety, attitude, personality etc.)
• An aid of teaching (its not a replacement but a assistance like: provide feedback, reinforcement, motivation)
• Use for specific characteristic or purpose, the purpose of the test should be cleared for students and teachers
• Attention in methodology
• Administer by qualified/ experienced persons
• Determine the value of equipment, material and method
• Conduct in a professional manner
• Consideration of whole individual and his environment