

# **EVALUATION**

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# **EVALUATION**

***What is Evaluation?***

***It is a systematic process which determines the extent to which predetermined objectives have been attained by the student.***

***Monitoring the learning process through continuous appraisal and regular assessment.***

# EVALUATION

**DO WE NEED EVALUATION?**

# EVALUATION

## PURPOSE:

**Education: To create a desire to learn.**

**Assessment: To Create a constructive awareness of ignorance.**

***It is the examination system which has a profound influence on the learning process.***

# EVALUATION

## Purpose of Evaluation:

- 1. To monitor the effectiveness of the teaching programme.**
- 2. Feedback to the teacher.**
- 3. Feedback to the students.**
- 4. For selection & certification.**
- 5. Modification of learning activities.**

# EVALUATION

## What to evaluate:

1. Acquisition of knowledge ( Cognitive ).
2. Clinical & operative skills ( Psycho motor ).
3. Personal attitudes ( Affective ).
4. Teaching skills.

# EVALUATION

*What is the best method of evaluation?*



# **METHODS OF EVALUATION**

**How to select suitable method?**

- 1. Purpose for which assessment is to be undertaken.**
- 2. Time & resources available.**
- 3. Level & ability of the learner.**
- 4. Objective to be tested.**
- 5. No. of students to be tested.**

# METHODS OF EVALUATION

40 students enter clinical posting .Want to test their basic science knowledge before teaching neonatal resuscitation.

Counseling a parent to bring the child for immunization.

Ability to perform lumbar puncture.

# EVALUATION METHODS

## Objectives & Evaluation methods:

<u>Domain</u>	<u>Method</u>	<u>Instrument</u>
Cognitive	Written test	Essay questions Short answer MCQs Assignments Questions
Psycho motor	Observations	Practicals Clinicals OSCE OSPE
Affective	Observations	Rating scales Check lists Questionnaire

# EVALUATION

## Types of evaluation:

**Formative ( Diagnostic )  
Summative ( Certifying )**

**Formative**

**Summative**

**Purpose  
competence.**

**To detect special strengths &  
& weaknesses of students**

**Overall achievement  
of a level of**

**Frequency  
etc.**

**Periodical**

**Only at the point of  
promotion / graduation**

**Area covered**

**Single unit**

**Course content**

**Feedback to students**

**Immediately**

**Intimating pass or fail**

**Feedback to teachers**

**Immediate**

**Indirect – Overall  
performance**

# EVALUATION

## Criteria to evaluate the evaluation system:

1. **Validity – Content validity.**

**Face validity.**

**Predictive validity.**

**Construct validity.**

2. **Reliability.**

3. **Objectivity.**

4. **Feasibility.**

5. **Relevance.**

# EVALUATION

**Validity**: The test measures what it is suppose to measure.

**Reliability**: The accuracy and consistency with which the test measures what it is suppose to measure.

**Objectivity**: The degree of concordance between two independent examiners so as to what constitutes the right answer.

# EVALUATION

Steps of evaluation:

To select the most appropriate method and instrument for the test

The instrument should have the qualities of validity, reliability and objectivity.

To prepare the questions and administer.

To decide the marking scheme and award marks.

***Evaluation process aims at meaningful learning by the student.***



# Essay questions.

- What we are testing?
- Do we need to have them?
- Advantages ?
- Disadvantages ?
- Any modification?

# Essay questions – advantages.

- Easy to frame.
- Allows free & effective expression.
- Knowledge testing , reasoning, ability to organise ideas.

# Essay questions- Disadvantages.

- Lack of objectivity.
- Inconsistent & time consuming scoring pattern.
- Hardly any feedback.
- Scope to guess work.
- Scoring pattern shows a halo – first answer influences others.

# How can we improve?

- Scoring can be made objective by preparing model answer.
- Scoring for all answers to the same question can be done before proceeding to the next to avoid 'halo' effect.

# Short essay questions

- What we intend to test?
- Advantages?
- Disadvantages?

# Multiple choice questions

- Need?
- Advantages?
- Disadvantages?
- Modifications?

THANK YOU