

EDUCATION
SEMESTER-III

Core V Assessment and Evaluation in Education

Course Outcome (COs):

On completion of this course, the students will be able to:

- Understand the meaning of assessment and evaluation
- Know different types of evaluation
- Explain the scales of measurement
- State the taxonomy of instructional learning objectives
- Describe the characteristics of Good test
- Analyze the principles of construction of tests
- CO7: Prepare a list of non- standardized

Course Content:

UNIT 1: Assessment and Evaluation in Education

Learning Outcomes

- ✓ *Understand the concept of measurement, evaluation and assessment*
- ✓ *Gain knowledge about the nature, purpose and types of educational assessment and evaluation.*
- ✓ *Understand different scales of measurement –nominal, ordinal, interval and ratio*
- Understanding the meaning and purpose of test, measurement, assessment and evaluation
- Scales of measurement- nominal, ordinal, interval and ratio
- Types of test- teacher made and standardized
- Approaches to evaluation- placement, formative, diagnostic and summative
- Types of evaluation- norm referenced and criterion referenced
- Concept and nature of continuous and compressive evaluation

UNIT 2: Instructional Learning Objectives

Learning Outcomes

- ✓ *Explain the importance of instructional objectives for learning and its processes for enhancing the quality of learning and teaching*
- Taxonomy of instructional Learning Objectives with special reference to cognitive domain
- Criteria of selecting appropriate Learning Objectives, and stating of general and specific instructional Learning Objectives
- Relationship of evaluation procedure with Learning Objectives
- Difference between objective based objective type test and objective based essay type test

UNIT 3: Tools and Techniques of Assessment and construction of Test

Learning Outcomes

- ✓ *Develop and use different types of tools and techniques for continuous and comprehensive assessment of learning in the school situation*
- ✓ *Describe the characteristic of a good test.*
- ✓ *Illustrate the principles of test construction in education.*
- Steps of test construction: planning, preparing, trying out and evaluation
- Principles of construction of objective type test items- matching, multiple choice, completion and true – false

- Principles of construction of essay type test
- Non- standardized tools: Observation schedule, interview schedule, rating scale, check list, portfolio and rubrics.

UNIT 4: Characteristics of a good Test

Learning Outcomes

- ✓ Analyze and interpret results of the assessment using standard scores.
- Validity-concept, types and methods of validation
- Reliability- concept and methods of estimating reliability
- Objectivity- concept and methods of estimating objectivity
- Usability- concept and factors ensuring usability

Practical

Construction of Unit test on a school subject based on blueprint and reporting.

NB: It will be evaluated by both Internal and External examiners.

Text Books

- ✓ *Cecil, R. Reynold; Ronalds, B. Living Sone; Victor willium, Arbind, K. Jha; Pearson Education, Second Edition 2017*
- ✓ *Mohan Radha, Measurement, Evaluation and Assessment in Education, PHI Learning Pvt. Ltd.*

Suggested Books:

- ✓ *Aliken, L.R, Tests and Examinations - Measuring Abilities and Performance, Willey, New York, 1998.*
- ✓ *Airasian, P. Classroom Assessment, Mcraw Hill, New York, 1995.*
- ✓ *Anatasi, A & Urbina, S., Psychological Testing, Prentice Hall, Englewood Cliffs, 1997.*
- ✓ *Banks, S. R Classroom Assessment: Issues and Practices, Pearson Allyn & Bacon, Boston, 2005.*
- ✓ *Cohen, R. J., Swerdlik, M.E. & Philips, S. M., Psychological testing and Assessment, An Introduction to the Tests and measurement, Mayfield Publishing Co. California, 1996.*
- ✓ *Cronbech L. J., Essentials of Psychological Testing, Harper Collins, New York, 1990.*
- ✓ *Ebel, R. L. & Frisbie, D. A. Essentials of Educational measurement, Practice Hall of India, Pvt. Ltd., New Delhi, 1991.*
- ✓ *Grounlund, N. E. Assessment of student Achievement. Allyn & Bacon, Boston, 2003.*
- ✓ *Gregory, R.J. Psychological testing: History, Principles and Applications, Allyn & Bacon, Boston 1992.*
- ✓ *10. Harper, A. E., Jr. & Harper, E. S., Preparing Objective Examinations: A Handbook for Teachers, Students and Examiners, Prentice Hall of India Pvt. Ltd., New Delhi. 1992.*
- ✓ *11. Hopkins, K. D. Educational and Psychological Measurement and Evaluation, Allyn & Bacon, Boston, 1998.*
- ✓ *12. Kaplan, R M. & Saccuzzo. D. P., Psychological Testing Principles Applications & Issues, Wordsworth, California, 2000.*