

BACHELOR OF ARTS IN EDUCATION
SEMESTER VI
PAPER CODE: ES (H) 610

ES (H) 610: Experimental Education and Statistics

FIRST HALF:

50 marks

Experimental work & Test Administration Distribution of marks:

Experiments and Test Administration: 20

Note Book : 15

Viva-Voce : 15

List of Experiments:

1. Memory : (a) immediate memory span (b) Immediate recall and recognition

2. Learning : (a) Maze/Mirror learning (b) Part and whole learning

3. Fatigue :

(a) Physical fatigue (b) Mental fatigue

Lists of Tests:

1. General Mental Ability:

(a) Verbal Test (b) Non-verbal Test (c) Performance Test

2. Personality: (a) Inventory/Checklist (b) Thematic Apperception Test/Inkblot Test (c) Attitude scale/ values test

3. Achievement: Preparation of an achievement test of 50 items of five types on a school subject. This will be an exercise in test construction and standardization.

SECOND HALF:

50 Marks.

Test Development and statistical indices.

Distribution of marks: Test construction & standardization: 20

Note Book: 15

Viva-Voce: 15

Test Development:

1. Item preparation, Item revision and Item analysis _ Index of difficulty, Index of discrimination.

2. Test reliability and its determination.

3. Test validity and its determination.

Statistical Measures and Calculation:

1. Norms and their calculation/computation.

2. Sociometry and its application/ use in classroom management.

3. Determination of association among two variable-Rank-difference and product-moment coefficients of correlation and their calculation and interpretation.

Note:

1. Students should be prompted to prepare their own test materials/tools of assessment appraisal and evaluation as far as possible.

2. The records of experiments/practical work/statistical exercises should be maintained in a practical Note-Book prepared by each student which may be regularly/duly inspected and scanned by the concerned teacher throughout the academic session.

3. The final year – end examination will be conducted by an external examiner in collaboration with the internal examiner, a senior qualified teacher of the subject, Education or Psychology.
