

**UNIVERSITY OF SWAZILAND  
INSTITUTE OF POST-GRADUATE STUDIES  
MASTER OF EDUCATION IN ADULT EDUCATION**

**MAIN EXAMINATION PAPER, December 2015**

**TITLE OF PAPER:** MEASUREMENT AND EVALUATION  
**COURSE CODE:** AE 601/AED 601  
**TIME ALLOWED:** THREE (3) HOURS

**INSTRUCTIONS:**

1. ANSWER THREE (3) QUESTIONS ONLY
2. ONE (1) FROM EACH SECTION (A, B, C).
3. ANSWERS SHOULD BE WRITTEN IN THE ANSWER BOOKLET PROVIDED.
4. DO NOT WRITE ON THE QUESTION PAPER

**THIS PAPER SHOULD NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR**

**SECTION A**

**QUESTION 1 [40 marks]**

- (a) What are the roles and functions of following terms in measurement and evaluation of education and training programmes of adults?
- (i) National policy and education and training sector policy.
  - (ii) National Qualification Authority and National Qualification Frameworks.
  - (iii) Affective outcomes of education
  - (iv) Cognitive outcomes of education
  - (v) Critical incident
  - (vi) Discrimination index
  - (vii) Difficulty index
  - (viii) Norm-referenced tests
  - (ix) Criterion-referenced tests
  - (x) Evaluation plan/Log-matrix/Logical Framework.
- (b) Create a scenario in which you could use both objective test items and essay test items. Generate test items appropriate to scenario and defend the rationale for their inclusion.

**SECTION B**

**QUESTION 3 [30 marks]**

Critique objectivity, reliability and efficiency in the measurement and evaluation of education and training programmes for adults in Swaziland or any other country in the SADC region.

**QUESTION 4 [30 marks]**

Use relevant examples to examine the use of the concept of *validity* and *reliability* in measurement, testing and evaluation of the education and training of adults.

**QUESTION 5 [30 marks]**

Using relevant examples, discuss the use of personality, attitude and interest tests in the education and training of adults.

**SECTION C**

**QUESTION 6 [30 marks]**

Using a *t- test* give your interpretation of the following set of scores by a group 10 adult learners on a computer literacy skills course at Sithobela REC.

Name	August mark	November mark
Anna	73	81
Nosipho	56	74
Wandile	43	50
Zama	34	67
Vusi	67	65
Sipho	32	43
Nhlanhla	81	78
Nonhlanhla	45	47
Gertrude	65	61
Jacob	60	63

**QUESTION 7**

Give your interpretation of the following test scores by a group of twenty-five (25) adult learners on the Bachelor of Adult Education degree programme:  
67,72,72,92,76,72,90,80,80,81,64,70,78,77,90,85,68,78,94,87,89,75,78,69

**QUESTION 8 [30 marks]**

Use a *chi-squared test* to compare the performance of Lubombo and Manzini Regional Educational Centres in the November national examination for artisans.

	A	B	C	Row totals
Lubombo	8	45	15	68
Manzini	8	42	48	98
Column totals	16	89	63	166

**QUESTION 9 [30 marks]**

Using a *sign test* relevant tests give your interpretation of the following set of scores by a group 12 adult learners on a motor-mechanic course at VOCTIM, matsapha.

Name	August mark	November mark
Anna	45	56
Nosipho	10	22
Wandile	50	75
Zama	44	45
Vusi	17	35
Sipho	58	60
Nhlanhla	36	45
Nonhlanhla	39	43
Gertrude	55	50
Jacob	20	39
Zandile	45	60
Masuku	48	72