



1ST SEM. 2004/2005

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: DIPLOMA IN AGRICULTURAL EDUCATION II
 DIPLOMA IN HOME ECONOMICS EDUCATION II**

COURSE CODE: AEE 201

TITLE OF PAPER: EDUCATIONAL MEASUREMENT AND TESTING

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL FOUR (4) QUESTIONS

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED
BY THE CHIEF INVIGILATOR**

QUESTION 1

The following set of marks was recorded for a test:

60	65	50	53	51	75	56	76	25	57	45
98	63	67	54	95	49	94	36	59	80	59
95	88	70	58	66	44	72	68	45	68	93

Based on the set of marks:

- (a) Calculate the mean score [2 marks]
- (b) Determine the modal score [1 marks]
- (c) Determine the median score [2 marks]
- (d) Calculate the range [1 marks]
- (e) Calculate the deviation of each score from the mean [2 marks]
- (f) Determine the sum of the squared deviations [3 marks]
- (g) Calculate the standard deviation of the test [5 marks]
- (h) List the set of marks that are 2 standard deviations above the mean [3 marks]
- (i) List the set of mark that are 1 standard deviation below the mean [3 marks]
- (j) Using the "Normal Distribution Curve" principles, distribute the marks into A's, B's, C's, D's, and F's. [3 marks]

[Total: 25 marks]

QUESTION 2

Based on the topic, Vegetable Production, write two examples of objectives for each level of cognitive domain. Place your answers on the answer sheet.

Level of cognition	Example of an objective at this level of cognition
1. Knowledge	A.
	B
2. Comprehension	A.
	B
3. Application	A.
	B
4. Analysis	A.
	B
5. Synthesis	A.
	B
6. Evaluation	A.
	B

[Total: 25 marks]

QUESTION 3

Discuss with examples, five differences, between formative and summative measurement.

[Total: 25 marks]

QUESTION 4

- A. Distinguish between validity and reliability [5 marks]
- B. How will you ensure that a test is valid [5 marks]
- C. How will you ensure that a test is reliable [5 marks]
- D. How will you ensure that a test is suitable for the group being tested? [5 marks]
- E. Distinguish between norm-referenced and criterion-referenced tests [5 marks]

[Total: 25 marks]