



**SUPPLEMENTARY 2004/2005**

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**UNIVERSITY OF SWAZILAND**

**SUPPLEMENTARY EXAMINATION PAPER**

**PROGRAMME:            DIPLOMA IN AGRICULTURAL EDUCATION II  
                              DIPLAM 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**

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GRANTED BY THE CHIEF INVIGILATOR**

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**QUESTION 1**

The following set of marks was recorded for a test:

50    55    50    53    51    75    55    75    45    57    45    98    53 77  
      54    95    49    94    35    59    80    59    95    88    70    58 55  
      44    72

Based on the set of marks:

- (a) Calculate the mean score [3 marks]
- (b) Determine the modal score [2 marks]
- (c) Determine the median score [2 marks]
- (d) Calculate the range [2 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]

**[Total: 25 marks]**

**QUESTION 2**

Discuss with examples, any **five** [5] criteria for stating specific instructional objectives.

**[Total: 25 marks]**

**QUESTION 3**

- (a) List the **four** scales of measurement [4 marks]
- (b) Describe **the characteristics** for each of the four scales of measurement [9 marks]
- (c) List any **three** examples for each of the four scales of measurement [12 marks]

**[Total: 25 marks]**

**QUESTION 4**

Define and/or explain the following terms as used in Educational Measurement and Testing:

- (a) Reliability [5 marks]
- (b) Measures of Dispersion [5 marks]
- © Level of difficulty [5 marks]
- (d) Discriminating power [5 marks]
- (e) Objective test [5 marks]

**[Total: 25 marks]**