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**UNIVERSITY OF SWAZILAND**

**MAIN EXAMINATION PAPER**

PROGRAMME: BSc. IN AGRICULTURAL EDUCATION YEAR III

COURSE CODE: AEE 303

TITLE OF PAPER: METHODS OF TEACHING AND TESTING IN AGRICULTURE

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL QUESTIONS

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CHIEF INVIGILATOR***

Question 1

- a) Compare and contrast the steps of the learning process and those of the problem-solving approach?

(12)

- b) List and describe thirteen (13) characteristics of effective teachers

(13)

[25 marks]

Question 2

In a diagram, present the elements of a lesson plan.

[25 marks]

Question 3

Discuss in details the following types of statistical methods used in describing test results:

- a) Item analysis (10)
- b) Simply frequency distribution (4)
- c) Measures of central tendency (6)
- d) Measurement of variability (5)

[25 marks]

Question 4

- a) Explain the level of cognition reached when the teacher uses the following methods of teaching:

- i) Lecturing
- ii) Demonstrations
- iii) Case study

(9)

- b) Prepare two examples of questions developed at the following levels of cognition:

- i) Remembering
- ii) Processing
- iii) Creating and
- iv) Evaluation

(8)

- c) Explain characteristics of well stated objective

(3)

- d) Give five (5) examples of a principle under organisation and structure.

(5)

[25 marks]