



2nd SEM. 2014/2015-MAIN

PAGE 1 OF 3

UNIVERSITY OF SWAZILAND

MAIN EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURAL
EDUCATION, YEAR THREE**

COURSE CODE: AEE 301

TITLE OF PAPER: EDUCATIONAL RESEARCH METHODS

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL (4) QUESTIONS

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED

BY THE CHIEF INVIGILATOR

QUESTION 1

- a. Discuss five (5) reasons why the “Theoretical Framework” and “Conceptual Framework” respectively important in Educational Research. (20 Marks)
- b. State where in a research proposal would each of these concepts be placed and justify and justify your answer. (5 Marks)

[Total marks: 25]

QUESTION 2

(a) Define the following Terms as they are used in Educational Research and Statistics:

- a. Internal validity
- b. External validity
- c. Unit of analysis
- d. Replication
- e. Null Hypothesis
- f. Dependent variable
- g. Independent variable
- h. Type II Error
- i. Field testing

(2 marks for each = 18 Marks)

(b) Outline the key steps a researcher in Agricultural Education or Agricultural Extension would follow in conducting research. (7 Marks)

[Total Marks: 25]

QUESTION 3

Describe:

(a) The **four (4)** measurement scales.

(4 marks for each =12 Marks)

(b) The properties of each scale.

(13 Marks)

[Total Marks: 25]

QUESTION 4

In a tabular format, describe research designs under the following topics: approach, assumptions or paradigms, relevant designs and data collection methods.

(25 Marks)