



2nd SEM. 2012/2013

PAGE 1 OF 2

UNIVERSITY OF SWAZILAND

MAIN EXAMINATION PAPER

PROGRAMME: BSc IN AGRICULTURAL EDUCATION YEAR 3

COURSE CODE: AEE 301

TITLE OF PAPER: EDUCATIONAL RESEARCH METHODS

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL (4) QUESTIONS

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AEE 301 MAIN EXAMINATIONS

QUESTION 1

According to Wiersma and Jury (2005), research as a process involves **FIVE** major steps. Discuss these steps and indicate **ONE** subtopic under each step.

(25 Marks)

QUESTION 2

- a. Give **FIVE** reasons why researchers write a research proposal and review literature before conducting research in Agricultural Education. (5X3=15 Marks)
- b. Discuss **FIVE** reasons why **THEORETICAL FRAMEWORK** and **CONCEPTUAL FRAMEWORK** are important in Research. (5X2=10 Marks)

(25 Marks)

QUESTION 3

- a. Define the following terms that are used in educational research:
- i. Null hypothesis
 - ii. Type II error
 - iii. Reliability
 - iv. Validity
 - v. Delphi Technique
 - vi. Ex post facto
 - vii. Field testing
 - viii. Pilot testing
 - ix. Frame error
 - x. Statistically significant difference (2X10=20 Marks)
- b. Discuss **FIVE** ways of presenting research findings from a study in Agricultural Education. (1x5=5 Marks)
(25 Marks)

QUESTION 4

Discuss **FIVE** differences between qualitative and quantitative research.

(5x5)
(25 Marks)