



2<sup>nd</sup> SEM. 2016/2017

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**UNIVERSITY OF SWAZILAND**  
**MAIN EXAMINATION PAPER**

**PROGRAMME:** AGRICULTURAL EDUCATION YEAR 2 & 3

**COURSE CODE:** AEE 256/301

**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**

MAIN EXAMINATION, 2017

Question 1

Baphelele Mbuli wants to conduct research on Factors associated with difference in Academic performance between day scholars and borders in Modern Agriculture at high school. He desperately needs advice on how to write a good research proposal.

- a. Describe the research process or procedures that Mr. Mbuli should follow in order to write a good research proposal. (15 Marks)
- b. Identify any **Five** important things that are to be considered when planning to undertake/conduct research. (5 Marks)
- c. What are the **independent** and **dependent variables** in this proposed study? (5 Marks)

[25 Marks]

Question 2

Define the following terms as used in Educational Research:

#	Term	Definition
i.	Unit of Analysis	
ii.	Reliability	
iii.	Replication	
iv.	Validity	
v.	Census	
vi.	Face validity	
vii.	Likert Scale	
viii.	Sample	
ix.	Ordinary scale	
x.	Nominal scale	

(2.5 Marks each)

[25 Marks]

**Question 3**

Discuss any **Five (5)** of the following sampling strategies used in **Agricultural Education** research. Suggest necessary conditions and steps to be followed in each strategy:

Sampling Strategies:

1. Cluster sampling
2. Convenience sampling
3. Stratified random sampling
4. Systematic sampling
5. Simple random sampling
6. Purposive sampling
7. Volunteer sampling
8. Quota sampling.

[25 Marks]

**Question 4**

- a. Describe **Five (5)** sources of research problem areas in Agricultural Education with justification why each could be a source of research problem area. **(15 Marks)**
- b. Identify **Five (5)** ways of presenting research results in Agricultural Education. **(10 Marks)**

[25 Marks]