

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF MASTER OF SCIENCE
IN AGRICULTURAL EDUCATION**

**AGED 841: RESEARCH METHODS IN AGRICULTURAL EDUCATION &
EXTENSION**

STREAMS: MSC (AGED) PART-TIME

TIME: 3 HOURS

DAY/DATE: WEDNESDAY 07/8/2019

8.30 A.M. – 11.30 A.M.

INSTRUCTIONS: Answer question ONE and any other TWO questions

- Q1. (a) Stakeholders have been raising the concern on academic training of students taking agriculture among other subjects. In an effort to ensure practical skill training the government has introduced the competency based curriculum. The stakeholders feel that the educational system is not adequately prepared for effective implementation of the new curriculum.
- (i) Propose a research title to a study that in addressing the current educational scenario and identify the independent and dependent variables. [3 marks]
- (ii) Propose and justify a research design for the proposed study. [3 marks]
- (iii) Explain factors that you could consider in determining the design for the study. [4 marks]
- (iv) Explain the rationale for ethical considerations in the above study. [4 marks]

AGED 841

- (b) Explain the importance of research in education and extension. Give suitable examples [8 marks]
- (c) Discuss the significance of library information to researchers in agricultural education and extension. [8 marks]
2. With suitable examples discuss four data classification that a researcher in education and extension may correct in the field research. Distinguish and explain the significance of each by giving suitable examples [15 marks]
3. Sampling is key to quality research.
- (a) Explain with illustration the meaning of sampling process [3 marks]
- (b) With suitable examples discuss four probability sampling techniques that could be adopted by researchers in social sciences. [12 marks]
4. Discuss with suitable illustrations critical strategies that a researcher in social sciences could apply to minimize the impact of confounding variable on the outcomes of the study. [15 marks]
-