

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
MASTER OF SCIENCE IN AGRICULTURAL EDUCATION AND MASTER OF
SCIENCE IN AGRICULTURAL EXTENSION**

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

STREAMS: MSC (AGED & AGEX) P/T

TIME: 2 HOURS

DAY/DATE: TUESDAY 14/04/2020

2.30 PM – 5.30 PM

INSTRUCTIONS:

- **Answer Question One (Compulsory) and any other Two**
- **Do not write on the question paper**

QUESTION ONE

- (a) Explain two reasons why researchers engage in survey research. [2 marks]
- (b) Draw a distinction between inductive and deductive reasoning as sources of knowledge. [8 marks]
- (c) Compare and contrast basic and applied research; give at least one example in each case. [10 marks]

QUESTION TWO

- (a) Describe in detail the three kinds of longitudinal surveys. [6 marks]
- (b) What philosophical foundation do you think is best suited for quantitative research and why? [6 marks]
- (c) Give reasons why you would or would not recommend the use of a questionnaire as a data collection tool to a fellow researcher. [8 marks]

QUESTION THREE

- (a) Explain four reasons why graduate students review literature when developing their research projects. [8 marks]
- (b) Describe in detail the features of the three kinds of experimental research design. [12 marks]

QUESTION FOUR

- (a) Assume that you are about to pilot test your research instrument, what key validity types would you go for to ensure that its adequate for data collection and why? [10 marks]
 - (b) There is no significant difference in mean weigh between male and female Msc AGED students 2019 class at Chuka University. Explain the five main steps that would be followed when testing the aforementioned hypothesis. [10 marks]
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