

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF SCIENCE IN AGRICULTURAL EDUCATION

AGEC 312: RESEARCH METHODS

STREAMS: BSC (AGEC)

TIME: 2 HOURS

DAY/DATE: MONDAY 02/12/2019

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in section A and any other THREE questions in section B
- Do not write on the question paper

SECTION A

QUESTION ONE

- (a) Explain the meaning of the following in context of research design
- | | |
|--------------------------------------|-----------|
| (i) Extraneous variables | [2 marks] |
| (ii) Confounded relationship | [2 marks] |
| (iii) Research hypothesis | [2 marks] |
| (iv) Experimental and control groups | [2 marks] |
- (b) Briefly describe the different steps involved in a research process [5 marks]
- (c) Define research? Explain its significance in modern times [3 marks]
- (d) Describe the different types of research by three classification [9 marks]

SECTION B

QUESTION TWO

- (a) Write short notes on:
- | | |
|------------------------------------|-----------|
| (i) Design of the research project | [3 marks] |
| (ii) Objectives of research | [3 marks] |

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- (b) “Empirical research in Kenya in particular creates so many problems for the researchers”. State the problems that are usually faced by such researchers [9 marks]

QUESTION THREE

- (a) “Research is much concerned with proper fact finding, analysis and evaluation”. Do you agree with this statement? Give reasons in support of your answer. [7 marks]
- (b) What is research problem? Define the main issues which should receive the attention of the researcher in formulating the research problem. Give suitable examples [8 marks]

QUESTION FOUR

- (a) Describe some of the important research designs used in experimental hypothesis testing research study [6 marks]
- (b) Discuss two methods of sampling [6 marks]
- (c) Explain and illustrate the procedure of selecting a random sample [3 marks]

QUESTION FIVE

- (a) Enumerate the different methods of collecting data. Which one is the most suitable for conducting enquiry regarding family welfare programme in Kenya? Explain its merits and demerits [10 marks]
- (b) Explain the guiding considerations in the in the construction of questionnaire? Explain [5 marks]
