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CHUKA



UNIVERSITY

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**UNIVERSITY EXAMINATIONS.**

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF  
EDUCATION (ARTS)**

**EDCI 801: RESEARCH METHODS IN AGRICULTUREEAL EDUCATION AND  
EXTENSION**

**STREAMS: MA (ARTS) SB**

**TIME: 3 HOURS**

**DAY/DATE: WEDNESDAY 5/12/2018**

**11.00 A.M - 2.00 P.M**

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**INSTRUCTIONS:**

- **Answer Question ONE and any other TWO Questions**
- **Do not write anything on the Question Paper**

1. (a) It has been observed that fewer learners are willing to take agriculture as an academic field of study and for professional training. You have been contacted by the Department of Agricultural Education to conduct a study on this issue of concern.
  - (i) Formulate a title to guide this study and identify the independent and dependent variables in the title. [2 Marks]
  - (ii) Develop at least three objectives to guide the study. [6 Marks]
  - (iii) Explain factors that you could consider in selecting the research design for this study. [3 Marks]
  - (iv) Outline critical considerations in developing questionnaire items for data collection. [4 Marks]
- (b) With suitable examples, explain the key characteristics of a true experimental research. [4 Marks]
- (c) “In agricultural research, the review of literature plays an important role”. With suitable illustrations, rationalize the significance of literature review for educational and extension studies. [6 Marks]

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- (d) Explain the rationale for ethical considerations in research. [5 Marks]
- 2. Critically discuss the importance of research in education and extension. Give relevant illustrations. [15 Marks]
- 3. You have been contacted by a research organization to conduct a study. You have discovered that the findings of research may be influenced by the presence of extraneous variables. Using relevant illustrations demonstrate how you could control the impact of the extraneous variables on your study. [15 Marks]
- 4. The use of objectives sampling procedures is key to determination of the authenticity of the entire study. With suitable examples, discuss sampling methods that can be used in the selection of a sample from a given population for educational and extension studies. [15 Marks]

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