



*“Investing in Africa’s Future”*

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES**

**NACP 204: RESEARCH METHODS**

**END OF SECOND SEMESTER FINAL EXAMINATIONS**

**APRIL 2022**

**LECTURER: MR. E. CHIKAKA**

**DURATION: 3 HOURS**

## **INSTRUCTIONS**

ANSWER **ALL** QUESTIONS IN SECTION A AND ANY **THREE (3)** FROM SECTION B

THE MARK ALLOCATION FOR EACH QUESTION IS INDICATED AT THE END OF THE QUESTION

CREDIT WILL BE GIVEN FOR LOGICAL, SYSTEMATIC AND NEAT PRESENTATION

EACH QUESTION SHOULD START ON A FRESH PAGE

- QUESTIONS
- Why is agricultural research important?
  - What are some risks with agricultural research?
  - What are some types of research being conducted in agriculture? [10]

**QUESTION 3**

Define and explain the seven basic steps of scientific research

[10]

**SECTION B****ANSWER ANY THREE (3) QUESTIONS**

**[60 Marks]**

**QUESTION 4**

- a. What do you mean by research process? Explain its significance in the achievement of sustainable Agriculture in your country. [10]
- b. What ethic rules should be considered when conducting research? [10]

**QUESTION 5**

- a. What is the difference between qualitative and quantitative research? Include mention of possible differences in purpose, method, data sources, and data analysis. [10]
- b. What is the relationship between research Paradigm, Ontology and Epistemology in agriculture [10]

**QUESTION 6**

Describe the report writing process in both qualitative and quantitative research. What features to they have in common, and how might they differ? Discuss with reference to examples of qualitative and quantitative research. [20]

**QUESTION 7**

- a. Write the essential elements required in a **Methodology Section** for any intervention research study [10]
- b. What is the relationship between research Paradigm, Ontology and Epistemology in agriculture [10]