



*"Investing in Africa's Future"*

COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES

SNS 308 RESEARCH METHODS

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER/DECEMBER 2017

LECTURER: E. CHIKAKA

DURATION: (3 HRS)

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### **INSTRUCTIONS**

Answer **ALL** Questions in **Section A** and **ANY 3** questions from **Section B**

The mark allocation for each question is indicated at the end of the question

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## SECTION A

### QUESTION 1

What are the types of data that a researcher can collect? [10]

Why is it necessary to know the type of data that you collect? [10]

### QUESTION 2

Discuss why it is important to review literature prior to carrying out research [10]

### QUESTION 3

Discuss the following:

- (a) An experimental research design [4]
- (b) Descriptive research design [4]
- (c) Exploratory design [2]

## SECTION B

### ANSWER ANY THREE QUESTIONS

#### QUESTION 4

- (a) Developing a research problem statement is the most important process in research, discuss (10)
- (b) Define and describe the difference between general and specific objectives (5)
- (c) Distinguish primary data source from secondary data source. (5)

#### QUESTION 5

Describe the research process and explain the role of research in the achievement of sustainable agriculture in any selected environment of your choice from your country. (20)

#### QUESTION 6

- a) What is a hypothesis? (5)
- b) Distinguish between a Research Hypothesis and a Null Hypothesis (5)
- c) What does the term reliability in research mean? (5)
- d) How do you ensure that your study is reliable? (5)

#### QUESTION 7

Describe and explain what is meant by sampling and discuss the different types of sampling giving examples in each case. (20)

