"Investing in Africa's future"

COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

NREM500: RESEARCH METHODS

END OF FIRST SEMESTER FINAL EXAMINATIONS

NOVEMBER/ DECEMBER 2022

LECTURER: DR. S. CHAKEREDZA

DURATION: 3 HOURS

INSTRUCTION

Answer All Questions from Section A

Answer Any Three Questions from Section B

Section A (answer all, possible marks 40)

1. What is research and its notable characteristics? [5]

2. What is statistics? [6]

3. Of what relevance is agricultural research to humanity? [5]

4. Elaborate on the five essential requirements of a successful research in Africa[2]

5. Differentiate between the various researches to be conducted in partial fulfillment of degree programs in Universities. [5

6. Enumerate and analyze five different approaches to research relevant to African agricultural research studies. [5]

7. What is variable and mention three types of variable you know? [5]

8. Give a vivid description of a good hypothesis. [5]
9. Discuss the functions and types of hypothesis [2]

Section B (Choose any 3 Question, maximum possible marks 60)

1. A researcher weighs 50 newly born calves (kg) and recorded the following results

36	41	37	37	45	37	30	37	42	37
33	37	41	37	33	37	33	37	38	34
41	37	38	34	40	36	38	40	34	30
36	38	36	38	36	38	38	36	36	35
39	39	36	35	39	39	35	34	39	40

Construct a frequency distribution table; give the range; mean; SD; variance [20]

2. Discuss the concept of qualitative and quantitative approaches to research. Highlight their merits. [20]

3. Enumerate the steps that can reduce difficulties in problem identification.[20]

4. What are the problems of research in Agricultural research studies in Africa? [20]

5. Describe the characteristics of a good research [20]

END OF EXAMINATION PAPER