

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE IN
AGRICULTURE AND FOOD SCIENCE TECHNOLOGY**

AGRI 392/371: AGRICULTURE EXPERIMENTATION

STREAMS: BSC AGRICULTURE & FOOD TECHNOLOGY

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

1. The paper contains sections A and B
2. Answer all questions in Section A and any two from Section B
3. Marks for each question are indicated in parenthesis ()
4. Total marks =70

SECTION A: TOTAL MARKS 30

QUESTION ONE

Explain

- i) The characteristics of a good research. (4 marks)
- ii) Importance of research in Agriculture. (3 marks)

QUESTION TWO

You are involved in an experiment to test the most suitable bean variety among three varieties B1, B2 and B3 in your home Ward.

- i) Describe at least three ways in which a farmer participatory approach can be applied in this experiment. (4 marks)
- ii) Explain how you would ensure blinding in data collection assistants. (2 marks)
- iii) Describe two possible mistakes that could occur during the data collection and how you would minimize them. (4 marks)

QUESTION THREE

In formulating a good hypothesis, as a researcher you should generate as many ideas as possible and then examine each statement critically before stating your hypothesis. In view of the aforementioned enumerate the characteristics of good hypothesis. (7 marks)

QUESTION FOUR

Agricultural researchers undertake experiments and research for different reasons. With examples, explain reasons for carrying out Agricultural research in Kenya. (6 marks)

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