



MURANG'A UNIVERSITY OF TECHNOLOGY
SCHOOL OF AGRICULTURE AND ENVIRONMENTAL
SCIENCE

DEPARTMENT OF AGRICULTURAL STUDIES

ORDINARY UNIVERSITY EXAMINATION

2023/2024 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR BACHELOR
OF SCIENCE IN AGRICULTURE

GAX 411 – PROGRAMME EVALUATION IN EDUCATION AND
EXTENSION

DURATION: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

1. Answer question ONE any other two questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A – (30 MARKS) – ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- a) Describe the key features of the logic model in program evaluation. (6 marks)
- b) Briefly explain three major evaluation techniques that can be used to assess the effectiveness of extension programs in agriculture. (6 marks)
- c) Briefly outline steps involved in planning and conducting focus group discussion as part of programme evaluation. (6 marks)
- d) Define the CIPP evaluation model.
- e) Explain the four components of the model (6 marks)
- f) Explain key factors to consider when assessing socioeconomic aspects of farm system. (6 marks)

SECTION B (40 MARKS) – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

Discuss the significance of lost benefits analysis in evaluating agricultural programmes. (20 marks)

QUESTION THREE (20 MARKS)

Discuss how evaluation contributes to programme improvements. (20 marks)

QUESTION FOUR (20 MARKS)

Discuss how digital tools and online survey have impacted on evaluation research. Highlighting advantages and disadvantages of their utilization. (20 marks)