



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

DEPARTMENT OF AGRICULTURE

UNIVERSITY ORDINARY EXAMINATION

2023/2024 ACADEMIC YEAR

SECONG YEAR SECOND SEMESTER EXAMINATION FOR BACHELOR

OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION

GAC 212 – PASTURE AND FODDER CROPS

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 – ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- a) State three characteristics used in determining selection in pasture plants. (3 marks)
- b) List four attributes of forage seeds. (4 marks)
- c) Differentiate between ley pasture and improved pasture. (4 marks)
- d) Outline five management practices on sown pastures. (5 marks)
- e) Describe four categories of pasture plants. (4 marks)
- f) Describe the use of a stress lot in herd management. (3 marks)
- g) State three methods of treating pasture seeds before establishment. (3 marks)
- h) Describe four factors which influence animal feed quality. (4 marks)

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- a) Describe three stages of harvesting pastures. (3 marks)
- b) Discuss two methods of preserving harvested pasture. (12 marks)

QUESTION THREE (20 MARKS)

Discuss three tools for agroforestry research in pasture and rangeland. (15 marks)

QUESTION FOUR (20 MARKS)

Describe three agroforestry practices and indicate their advantages. (15 marks)