



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF AGRICULTURAL EDUCATION AND EXTENSION

FIRST SEMESTER EXAMINATION FOR DIPLOMA IN AGRICULTURAL
EDUCATION AND EXTENSION

KCU 0207: PASTURES AND FORAGE MANAGEMENT

Date: 21/04/2016

Time: 2 HOURS

INSTRUCTIONS

Answer ALL questions in section A and ANY TWO questions in section B

SECTION A: 30 MARKS

- Why is it important to study pastures? (5 marks)
- Pasture establishment calls for high investment in form of capital and efforts. Outline the five factors considered when establishing a pasture. (5 marks)
- Name any three grasses and two pasture legumes used in pasture improvement (5 marks)
- Outline the common causes of failure of pasture establishment (5 marks)
- Describe grazing management and outline its aims in pasture management (5 marks)
- Outline three advantages and two disadvantages of semi-zero grazing system (5 marks)

SECTION B: 40 MARKS

Answer ANY TWO questions in this section

QUESTION TWO

- Briefly discuss the three different types of pastures (14 marks)
- Explain how human activities affect pasture distribution (6 marks)

QUESTION THREE

- a) What factors would you consider when selecting pasture species for a particular area? (14 marks)
- b) Give any three factors that hinder pasture development in Kenya (6 marks)

QUESTION FOUR

- a) Describe in details the three main methods of pasture establishment (12 marks)
- b) Describe the characteristics of properly cured hay (8 marks)

QUESTION FIVE

- a) Describe the following methods of pasture conservation (14 marks)
- i) Standing hay
 - ii) Hay
 - iii) Silage
- b) Outline the factors that determine silage quality? (6 marks)