



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF SPATIAL PLANNING
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
HORTICULTURE AND BACHELOR OF SCIENCE IN SOIL SCIENCE
SEMESTER 2016/2017 ACADEMIC YEAR

CENTRE: SIAYA CAMPUS

COURSE CODE: AAS 3322

COURSE TITLE: GENERAL RANGE MANAGEMENT

EXAM VENUE:

STREAM: BSC ANIMAL SCIENCE

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer question 1 (compulsory) and ANY other 2 questions.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Question One

- a) Discuss with relevant examples two reasons why rangelands are important ecological areas (8 marks)
- b) Discuss rangeland vegetation succession (10 marks)
- c) Discuss stocking rate and livestock forage demand (12 marks)

Question Two

If you were in charge of a vast private ranch in Laikipia, discuss some of the tools that you would use to manage the vegetation on the ranch (20 marks)

Question Three

- a) Discuss grazing habits of range livestock (10 marks)
- b) Discuss how plants respond to grazing (10 marks)

Question Four

Discuss the principles of rangeland management (20 marks)

Question Five

- a) Discuss rangeland vegetation succession (10 marks)
- b) Discuss factors that influence palatability and grazing in animals (10 marks)