



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
AND BACHELOR OF EDUCATION**

SBT 409: RANGELAND ECOLOGY

DATE: Thursday 29th March, 2012

TIME: 4.30 p.m. – 6.30 p.m.

INSTRUCTIONS

Answer ALL questions in Section A and any one question in Section B. Answers in Section A should be concise and should be written in the spaces provided on the question paper.

Section A – Short answer questions (five marks for each question)

1. Define:

a) Rangeland

b) An ecological unit in terms of vegetation

2. Name five range plants.

3. Discuss the controversy between provision of water for livestock and conservation in pastoral areas

4. What were the major achievements of range development programmes up to 1980?

5. Differentiate between bushland and a woodland.

6. Illustrate range landscapes and typical soil associations.

7. List five justifications of a rotational grazing system.

8. Discuss pastoral development and wildlife conservation.

SECTION B– ESSAY TYPE QUESTIONS (30 marks)

Write an essay on any of the following:

1. Ecological classification of East African rangelands.
2. Principles of proper range use.
3. Bush control in rangelands.