



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTIONAL BASED PROGRAMME (IBP) - (AUGUST SESSION)

EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION

SBT 409: RANGELAND ECOLOGY

DATE: Wednesday 29th December 2010

TIME: 11.00a.m -1.00p.m

INSTRUCTIONS:

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

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SECTION A: Short answer questions (5marks)

1. State five characteristics that make land a range. [5marks]

2. Define the three classes of rangeland vegetation. [5marks]

3. Compare and contrast Ranching and traditional subsistence pastoral production systems. [5marks]
4. a) Define Range management. [1mark]
- b) State the two basic components of range management. [2marks]
- c) Explain why Range management profession is unique among agricultural vocation. [2marks]
5. Traditional pastoralism no longer exists today. Justify this statement. [5marks]

6. i) State the main advantage of wildlife management/utilization as an alternative land use in rangeland. [1mark]
- ii) Justify the preservation of range plant biodiversity. [4marks]
7. a) State the main functions of a National Park. [3marks]
- b) Distinguish between a National Park and a National Reserve. [2marks]
8. i) Distinguish between the following terms. [2marks]
- a) Nomadic pastoralist and pastoralist.

b) Grazers and browsers.

ii) State the effect of increasing human settlement and cultivation on wildlife.

[1mark]

SECTION B: Essays (MARKS: 30)

Write an essay on **ANY ONE** of the following topics:

1. Rangeland Environment.
2. Improvement of rangeland productivity.
3. Bush management.