



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTE OF OPEN LEARNING (IOL)

EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION AND

BACHELOR OF SCIENCE

SBT 407: ARID LAND ECOLOGY

DATE: Friday, 4th February, 2011

TIME: 11.00 a.m. – 1.00 p.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 below each question.

1. Define or explain:-

a) Aridity

b) Cutoff drains

c) Agrosylvopastoralism

d) Carrying capacity of land

e) ALDEV

2. Discuss gully reclamation.

3. On what basis is irrigation water classified?

8. Differentiate between Vertisols, Aridsols and Alfisols.

SECTION B: ESSAY (30 MARKS) WRITE AN ESSAY ON ANY ONE OF THE FOLLOWING.

1. Development issues of ASAL of Kenya.
2. Methods of water conservation in ASAL.
3. Grazing management systems for ASAL.