



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
OPEN, DISTANCE AND E-LEARNING
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE
SZL 415: ECOLOGY FOR SUSTAINABLE DEVELOPMENT

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DATE: Wednesday 14th December 2011

TIME: 4.30p.m-6.30p.m

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INSTRUCTIONS

Answer ALL questions in Section A and any ONE question in Section B.

Within a Section all questions carry equal marks.

Illustrate your answers with diagrams and give examples where appropriate.

SECTION A: Answer ALL questions. (40 marks)

1. Explain how the introduction of the Nile perch, *Lates niloticus* in Lake Victoria affected the lakes' fish species diversity.
2. Outline ways by which forests may be sustainably used.
3. Outline causes of tropical deforestation.
4. Discuss briefly the components of biodiversity and state its main indicators at the community level.

5. Outline activities that have emanated from the need to conserve the earth's biodiversity.
6. Explain some of the ways by which available fresh water may be used sustainably.
7. Outline the factors influencing human population growth.
8. Explain the main concerns for sustainable development.

SECTION B: Answer any ONE question (30 marks)

9. Discuss environmentally friendly methods of insect control.
10. The development of large dams across Africa's major rivers in the 1960s and 1970s was both a blessing and a curse. Discuss this statement.