



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2010/2011
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
SZL 302: ANIMAL ECOLOGY

DATE: Monday 29th November, 2010

TIME: 2.00 p.m. – 4.00 p.m.

INSTRUCTIONS

Answer ALL questions in Section A and any ONE question in Section B. Within each section, all questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A

1. Explain ecology as an Inter-disciplinary subject.
2. State the different theories by ecologists on population regulation.
3. Describe briefly animal decomposers in the tropics.
4. Describe briefly migration of the wildebeest.
5. Explain the following
 - (a) competition
 - (b) ecological isolation
 - (c) ecological segregation
6. Distinguish between r and k life history strategies in Ecology.
7. Describe briefly community Ecology.
8. Explain the following:
 - (a) Biosphere reserve
 - (b) National reserve
 - (c) Heritage site
 - (d) Kayas
 - (e) National Park

SECTION B – Answer ONE question (30 marks)

9. Discuss precipitation as a component of the environment using camels and desert rats in one extreme and arctic fish and mammals in another.
10. Discuss in detail Migration of the desert Locust.