



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2007/2008

**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF
SCIENCE IN ANIMAL ECOLOGY
SZL 593: ECOLOGICAL TECHNIQUES**

DATE: Friday 13th June, 2008

TIME: 9.00 a.m. – 12.00 Noon

INSTRUCTIONS:

Answer any FOUR questions. Each question carries 25 marks. Illustrate your answers with well-labelled diagrams wherever appropriate and give relevant examples.

1. (a) Discuss the abiotic factors influencing the distribution and abundance of organisms in nature.
 (b) Explain the methods used in community analysis.
2. Explain the components of a good ecological research proposal.
3. Discuss the ecological techniques of estimating animal densities in nature.
4. Write an essay on methods of estimating diversity of different organisms in nature.
5. Discuss the use of demographic techniques in population studies.
