



**KENYATTA UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2009/2010**  
**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF**  
**SCIENCE**  
**SZL 593: ECOLOGICAL TECHNIQUES**

**DATE: WEDNESDAY 7<sup>TH</sup> APRIL 2010      TIME: 9.00 A.M. – 12.00 NOON**

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**INSTRUCTIONS**

**Answer any FOUR questions.**

**Illustrate your answers with a well-labeled diagrams wherever appropriate.**

1. Discuss the qualitative and quantitative measures of vegetation.
2. Explain in detail the methods of sampling aquatic benthic and planktonic organisms.
3. Discuss the direct and indirect methods of estimating terrestrial animals.
4. Discuss the various methods of assessing diversity, species richness and distribution of organisms in nature.
5. Discuss the research and sampling designs applicable in ecological research.