



**KENYATTA UNIVERSITY**  
**UNIVERSITY EXAMINATIONS 2010/2011**  
**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE**  
**SZL 592: COMMUNITY ECOLOGY**

**DATE:** Friday 26<sup>th</sup> November, 2010

**TIME:** 9.00 a.m. – 12.00 p.m.

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**INSTRUCTIONS:**

**Answer any FOUR questions. All questions carry equal marks. Illustrate your answers with diagrams whenever appropriate**

1. Discuss the ecological effects of the excision of the Mau forest
2. Discuss the characteristics and role of a “keystone species” in a community.
3. Describe the role and effects of disturbance in an established communities
4. Discuss the trophic structure and energy transfers in the Mzima spring community
5. Discuss the role of competition in community diversity and evolution