**KENYATTA UNIVERSITY**

**UNIVERSITY EXAMINATIIONS 2008/2009**

**SECOND SEMESSTER EXAMINATION FOR THE DEGREE OF BACHELOR**

**OF EDUCATION AND DBACHELOR OF SCIENCE**

**SZL 105: LABORATORY METHODS IN ZOOLOGY**

**DATE: Thursday 27th August 2009 TIME : 8.00am-10.00am**

**INSTRUCTIONS:**

**Answer all questions in section A and one question in section B.**

**In each section questions carry equal marks.**

**Illustrate your answers with diagrams and give examples where appropriate.**

**Section A (40 marks)**

1. Explain briefly safety procedures in the laboratory.
2. Outline the importance of labelling laboratory samples.
3. Describe briefly the prohibitive and warning signs in the laboratory.
4. Describe briefly waste disposal in the laboratory.
5. Write short notes on safety use and handling of flammable chemicals.
6. Outline phase contrast microscopy.
7. Describe the use and maintenance of microscopes.
8. Outline the classification and use of centrifuges.

**SECTION B(30 marks)- answer any one question**

1. Write an essay on the design and management of a biomedical laboratory.
2. Describe in details the collection examination and storage of stool, sputum and
3. Write an essay on the causes of accidents in a biomedical laboratory.

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