



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTIONAL BASED PROGRAMME (DECEMBER SESSION)

EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION

SZL 105: LABORATORY METHODS IN ZOOLOGY

DATE: WEDNESDAY, 27TH APRIL 2011

TIME: 2.00 P.M. - 4.00 P.M.

INSTRUCTIONS:

Answer All questions in Section A and any one question in section B.

In each section, all questions carry equal marks.

Section A: Answer all questions. (40 marks)

1. Explain the purpose of labeling laboratory samples.
2. List any 5 factors considered when designing a biomedical laboratory.
3. Briefly describe the common biohazards.
4. Briefly explain phase contrast microscopy.
5. Explain methods of waste disposal in a medical/hospital laboratory.
6. Outline procedures observed when handling carcinogenic chemicals.
7. Briefly discuss accidents caused by acids among workers in the laboratory.
8. Explain precautions taken if a laboratory worker is contaminated with samples infected with Tuberculosis.

Section B: Answer any one question. (30 marks)

9. Write any essay on the handling use and maintenance of microscopes, centrifuges and weighing scales.
10. Discuss the procedures for the collection and examination of blood and stool samples.
11. Write an essay on cleaning disinfection and sterilization in the laboratory.
