



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE AND BACHELOR OF EDUCATION**

SZL 316: PRINCIPLES OF MEDICAL MICROBIOLOGY

DATE: Tuesday 6th December 2011

TIME: 11.00a.m – 1.00p.m

INSTRUCTIONS

Answer all questions in Section A and one question in Section B

Within each section, all questions carry equal marks. Illustrate your answers with diagrams and give examples where necessary.

SECTION A – 40 MARKS

1. Describe the morphological feature used to identify bacteria.
2. Explain the various types of nutrient media used to culture bacteria.
3. Discuss briefly the selective and differential media used to identify califorms
4. Explain the bacterial growth curve and its importance in development of the disease clinical signs.
5. Briefly explain clinical features of histoplasmosis.
6. Outline the classification of nurse of medical importance.
7. Describe briefly the diagnostic techniques for fungal infections.

8. Describe briefly microbial analysis of water in public health.

SECTION B- ANSWER ONE QUESTION ONLY

9. Write an essay on Anthrax.
10. Describe the various biochemical reactions applied in the diagnosis of bacterial infections.