



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE

SZL 316: PRINCIPLES OF MEDICAL MICROBIOLOGY

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DATE: TUESDAY 23RD NOVEMBER 2010

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

INSTRUCTIONS

Answer All questions from Section A and any One Question from Section B.

Within a Section, All questions carry equal marks.

Illustrate your answers with diagrams and give examples wherever appropriate.

SECTION A (40 MARKS)

- Q.1 Describe the morphological features used to classify bacteria.
- Q.2 Explain the bacteria growth curve and how it relates to the development of disease symptoms.
- Q.3 Describe briefly the various types of media used to Culture Bacterial
- Q.4 Outline the biochemical tests used to identify bacteria.
- Q.5 Outline the clinical signs of staphylococcal infections.
- Q.6 Explain classification of viruses.

SECTION B

- Q.7 Describe briefly Foot and Mouth Disease.
- Q.8 Describe the symptoms of cryptococcosis in humans.
- Q.9 Write an essay on microbial water analysis and its application in Public Health.
- Q.10 Discuss the application of microorganisms in industrial Microbiology,