



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE

SBT 414: MEDICAL MICROBIOLOGY

DATE: Tuesday, 3rd April, 2012

TIME: 11.00 a.m. – 1.00 p.m.

INSTRUCTIONS: Answer **ALL** questions in Section A and **ANY ONE** from Section B. Answers in Section A should be written in the spaces provided on the question paper.

Section A: Short answer questions (5marks)

Answer all questions in Section A and each question is five Marks and any one from section B each 30Marks.

1. Define the following terms:

- a. Pathogenicity
- b. Virulence
- c. Invasiveness
- d. Receptor
- e. Bacterial colonization

2. Discuss the factors that influence zones of inhibition in drug susceptibility testing.

3. Describe the mechanisms of *Vibrio* enterotoxins.

4. What are some of the factors that contribute to bacterial pathogenicity?
5. Describe urinalysis in suspected cases of UTI.
6. List *Escherichia coli* serotypes

