



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTIONAL BASED PROGRAMME (IBP) – AUGUST SESSION

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SBT 504: ADVANCED BACTERIOLOGY

DATE: Friday, 30th December, 2011

TIME: 9.00 a.m. – 12.00 p.m.

INSTRUCTIONS:

Answer any **FOUR** questions (25 marks each)

1. Discuss different techniques used in estimating bacterial population.
2. Describe the main features of antimicrobial drugs.
3. Describe recombination in bacteria.
4. Describe the lag phase of bacterial growth in a batch culture.
5. Discuss the misuse and abuse of antibiotics and the mechanisms of antibiotic resistance in bacteria.