



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

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

SBT 412: APPLIED MICROBIOLOGY

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DATE: FRIDAY 26TH NOVEMBER 2010

TIME: 8.00 A.M. - 10.00 A.M.

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INSTRUCTIONS

Answer ALL questions in SECTION A and any ONE question in SECTION B.

Answers to Section A should be concise, and should be written in the spaces provided below each question.

SECTION A

1. Define Applied Microbiology giving specific examples of why you feel the study is important for the welfare of Human kind.

2. Explain why organisms used for the fermentation of alcohols may be the same and yet the alcohols may be so different.
3. Briefly state the medical advantages derived from Alexander Fleming's discovery of penicillin.

- Define a Coliform and explain the differences between a Coliform and Fecal Coliform.

6. Define at least ANY THREE different types of wine.

7. Describe the methylation of mercury.

8. List important uses of glycerol as an industrial product.

SECTION B

INSTRUCTIONS:

This section is worth 30 marks. Write an essay on any ONE of the topics given below.

1. Prevention of microbial contamination in industrial processes.
2. Use of antibiotics in Agriculture
3. Microbial processes in production of Fats and amino acids.