



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

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

SBT 326: AGRICULTURAL MICROBIOLOGY

DATE: Wednesday 30th November 2011

4.30p.m – 6.30p.m

INSTRUCTIONS: Answer **All** questions in **Section A** and one in **Section B**. Answers in **Section A** should be written in the space provided on the question paper.

Section A: Short answer questions (5 marks each- total 40 marks)

1. Describe parent material as a soil forming factor.
2. Explain time as an element of soil classification.

3. Explain the mycorrhizae effect.

4. List any five microorganisms that fix nitrogen.

5. State two examples on the following fungal pathogens

a) Basidiomycetes

b) Ascomycetes

c) Oomycetes

6. Outline the effect of pesticides on the soil.

7. Outline the strategies for effective bioremediation.

8. State five examples of notifiable farm animal diseases.

SECTION B: (ESSAY Questions) 30marks

1. Write an essay on soil microorganisms
2. Discuss microbial control of insect pests.
3. Discuss the use of microorganisms in agricultural waste management.