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(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

FOURTH YEAR 1ST SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE AND
BIOTECHNOLOGY & BACHELOR OF SCIENCE AGRICULTURE
ECONOMICS AND RESOURCE MANAGEMENT**

COURSE CODE: SAB 410
**COURSE TITLE: FERTILIZER MANUFACTURE AND
FORMULATION**

DATE: 1ST OCTOBER 2018

TIME: 3 – 5 PM

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and any other TWO Questions.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1. a) Define the following terms:

i) Composting (2 Marks)

ii) Sullage (2 Marks)

iii) Single Fertilizers (2 Marks)

iv) Incompatible Ingredients (2 Marks)

v) Inoculants (2 Marks)

c) Discuss factors affecting the composition of FYM (12 Marks)

d) State how Night soil can be processed and used as a fertilizer. (2 Marks)

e) Describe the sources of Elemental Sulfur in the manufacture of Sulfuric Acid
(6 Marks)

2. Describe the reactions of phosphate fertilizers in the soils (20 marks)

3. a) Discuss the reasons why liquid organic fertilizers are popular among organic farmers
(10 Marks)

b) Briefly explain factors to take into consideration when selecting a site to put up a blend
factory (10 Marks)

4. Describe the manufacture of Phosphate fertilizers (20 Marks)