



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

SECOND YEAR 1ST SEMESTER
MAIN EXAMINATION

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

COURSE CODE: SAB 211
COURSE TITLE: AGROGEOLOGY


DATE: 19TH JANUARY 2018

TIME: 9 – 11 AM

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) State the general functions of Rocks and Minerals in crop production systems (3 Marks)
 - b) A phosphate rock fertilizer contains 30% P_2O_5 . Calculate the Bone Phosphate Lime of the Phosphate fertilizer (2 Marks)
 - c) Briefly explain the term Phosphate Reserve (2 Marks)
 - d) Describe the varieties of Gypsum (6 Marks)
 - e) Discuss the disadvantages of using Micronutrients resources in Agriculture (6 Marks)
 - f) Describe the distribution of Pumice in Kenya (3 Marks)
 - g) Differentiate between Dolomite and Calcite Agrominerals (4 Marks)
 - h) State and briefly explain the uses of Perlites in Greenhouses (4 Marks)
2. Discuss the Merits and Demerits of direct application of Phosphate Rocks in Agriculture (20 Marks)
3. Describe the properties and functions of Natural Zeolites in the field of Agrogeology (20 Marks)
4. Discuss the uses of Gypsum as an agrominerals in Agriculture (20 Marks)