



*(Knowledge for Development)*

**KIBABII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**2023/2024 ACADEMIC YEAR**

**SECOND YEAR 1ST SEMESTER**  
**MAIN EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE AGRICULTURE AND  
BIOTECHNOLOGY**

**COURSE CODE:** ASS 211  
**COURSE TITLE:** AGROGEOLOGY

**DATE:** 11<sup>TH</sup> DECEMBER 2023 **TIME:** 2 – 4 PM

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**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) Differentiate between Pumice and Vermiculite Agromineral. (4 Marks)
  - b) State the Role of Geologist in the field of Agrogeology (2 Marks)
  - c) Differentiate between Gypsum and Dolomitic Limestones. (2 Marks)
  - d) Discuss the demerits of pyrite application on farms as an agromineral. (8 Marks)
  - e) State the advantages of phosphate rocks for direct application in agriculture. (5 Marks)
  - f) Describe the distribution of Nitrate Agromineral in Kenya. (3 Marks)
  - g) Explain the uses of Pelite Agromineral in Greenhouses. (6 Marks)
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2. a) Discuss the drawbacks on the use of Micronutrients Agrominerals for farming in Kenya. (8 Marks)
  - b) Describe the distribution of Natural Zeolites in Kenya (4 Marks)
  - c) Discuss the agronomic potential of Termite mounds as Agrominerals (8 Marks)
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3. Discuss the various types of Liming Agrominerals. (20 Marks)
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4. a) Discuss the Agrominerals for Perennial crop plantations (16 Marks)
  - b) Discuss the application of moisture storing rocks in farms. (4 Marks)
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5. Explain the environmental aspects and concerns that must be addressed when handling Agrominerals. (20 Marks)