

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF EDUCATION
(ARTS)**

GEOG 303: BIOGEOGRAPHY

STREAMS: BED (ARTS)

TIME: 2 HOURS

DAY/DATE: THURSDAY /12/2017

11.30 A.M – 1.30 P.M

INSTRUCTIONS:

- **Answer question one and two other questions**
- **Sketches, maps and diagrams should be used wherever they serve to illustrate an answer.**

1. Discuss any 6 (six) key factors to soil formation. [30marks]
 2. (a) Using relevant examples identify and describe the two approaches to biodiversity conservation. [12marks]
(b) Discuss the formation of soil catena and its influence on vegetation. [8marks]
 3. Examine the nitrogen cycle and explain its significance in the ecosystem. [20marks]
 4. (a) Discuss the soil forming processes associated with arid region. [8marks]
(b) Compare and contrast the characteristics of tropical rainforests and tropical monsoon forests. [12marks]
 5. (a) What is a biome? Give 2 examples of biomes. [4marks]
(b) Identify and describe any four (4) abiotic factors that influence the survival and distribution of flora and fauna. [16marks]
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