

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

CHUKA & EMBU CAMPUSES

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF  
EDUCATION ARTS - PRIMARY OPTION  
PGEO 231: PHYSICAL ENVIRONMENT

STREAMS: BED (ARTS) (PRY OPTION)

TIME: 2 HOURS

DAY/DATE: THURSDAY 8/08/2019

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

- Answer Question ONE and any other TWO Questions
- Use sketches and diagrams to illustrate your answers where applicable
- Do not write anything on the Question paper

1. Write brief explanatory notes on the following geographical terms and concepts;
  - (i) Plates [10 Marks]
  - (ii) Elements of physical environment [6 Marks]
  - (iii) Subduction and trenches [8 Marks]
  - (iv) Techniques in environmental research [6 Marks]
2. Discuss the process of soil formation. [20 Marks]
3. (a) Define the hydrological cycle. [2 Marks]  
(b) Describe the major components of the hydrological cycle. [10 Marks]  
(c) Define ground water storage and state how human activities have affected this sub-system. [8 Marks]
4. Discuss four physical factors which cause hot deserts. [20 Marks]
5. (a) Giving reasons, describe how temperature changes within the four layers of the atmosphere from troposphere upwards. [8 Marks]  
(b) Explain how human activities have affected the functional capacity of the atmosphere to protect life on earth. [12 Marks]

