



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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**MAIN EXAMINATION**

**AUGUST – DECEMBER 2018 TRIMESTER**

**FACULTY OF ARTS AND SOCIAL SCIENCES**

**DEPARTMENT OF HUMANITIES**

**REGULAR PROGRAMME**

**GEO 110: INTRODUCTION TO PHYSICAL GEOGRAPHY**

**Date: DECEMBER 2018**

**Duration: 3 Hours**

**INSTRUCTIONS: Answer Question ONE and any other THREE Questions**

- Q1. a) Identify the causes of Earth Quakes **(4 marks)**
- b) What do you understand by the following terms?  
i) Hydrolysis  
ii) Carbonation  
iii) Isomorphous replacement **(9marks)**
- c) By use of suitable illustration identify the layers and describe their thermal attributes the layers of the atmosphere. **(8 marks)**
- d) Describe the movement of Tectonic Plates **(9 marks)**
- Q2. Explain weathering by Solution using appropriate examples **(20marks)**
- Q3. a) Define the following  
i) Radio Activity **(4 marks)**  
ii) Lithification of Rocks **(4marks)**  
iii) Define the term “aquifers” **(4 Marks)**
- b) Distinguish between Endogenism and Exogenism illustrate by use of suitable examples **(8 marks)**
- Q4. Trace the path of shortwave radiation in the atmosphere. **(20marks)**
- Q5. Evaluate the carbon cycle. Illustrate where needed. **(20 Marks)**