
CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS
CHUKA/EMBU**

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

GEOG 110: INTRODUCTION TO PHYSICAL AND BIOLOGICAL GEOGRAPHY

STREAMS: BED(ARTS) Y1S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 13/12/2018

2.30 P.M -4.30 P.M

INSTRUCTIONS:

Answer question ONE and any other TWO questions

Diagrams and sketches may be used to illustrate your answer

1. (a) Briefly explain the formation of the three crustal lacks:
 - (i) Igneous [5 marks]
 - (ii) Sedimentary [5 marks]
 - (iii) Metamorphic [5 marks](b) Write notes to explain the concepts listed below:
 - (i) Plate tectonics [5 marks]
 - (ii) Hydrologic cycle [5 marks]
 - (iii) Ecosystem [5 marks]
2. Name and explain ways in which rocks of the crust are broken down by weathering processes. [20 marks]
3. Explain the processes which result in the formation the landforms listed below:
 - (a) Waterfalls. [4 marks]
 - (b) Headward erosion [4 marks]
 - (c) Braids [4 marks]
 - (d) levees [4 marks]
 - (e) ox—bow lakes [4 marks]

4. Energy in an ecosystem flows through different levels of consumption. Name and explain three levels in a tropical climate. [20 marks]
 5. Using geographical factors explain four factors which cause hot desert. [20 marks]
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