



ALUPE UNIVERSITY COLLEGE
Bastion of Knowledge...

P. O.Box 845-50400 Busia(K)
 principal@auc.ac.ke
 Tel: +254 741 217 185
 +254 736 044 469
 off Busia-Malaba road

**OFFICE OF THE DEPUTY PRINCIPAL
 ACADEMICS, STUDENT AFFAIRS AND RESEARCH**

**UNIVERSITY EXAMINATIONS
 2017/2018 ACADEMIC YEAR**

FIRST YEAR FIRST SEMESTER EXAMINATION

**FOR THE DEGREE OF BACHELOR
 OF EDUCATION (ARTS)
 SCHOOL: EDUCATION AND
 SOCIAL SCIENCES**

**COURSE CODE: GEO 110
 COURSE TITLE: THE EARTH'S PHYSICAL
 ENVIRONMENTS**

DATE: 11th December, 2017 TIME: 2.00Pm-5.00pm

For examiner's Use Only

Question	I.E	E.E
CAT		
EXAM		
TOTAL		

INSTRUCTION TO CANDIDATES : SEE INSIDE

THIS PAPER CONSISTS OF 20 PRINTED PAGES

PLEASE TURN OVER

Insert the numbers of the questions you have answered in the order done

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Student Admission No.....Exam Card No.....Signature.....

INSTRUCTIONS TO CANDIDATES

1. Write your **Admission Number**, **Exam Card Number** and **Sign** in the spaces provided at the bottom of each page of the Examination Booklet. **DO NOT** write your name anywhere in this booklet.
2. Write on both sides of the pages.
3. All rough work must be done in the Answer sheets and crossed through.
4. If supplementary pages are used, they must be fastened all together at the end of this Booklet. Supplementary pages should be used only after all the leaves in the booklet have been exhausted.
5. It is a serious examination offence to cheat or to have unauthorized materials including **MOBILE PHONES** (whether on or off) in the examination venue.
6. In no circumstances must Answer Booklet used or unused, be removed from the examination room by a candidate.
7. The Booklet is for **Examination use only** in a designated examination room. Unauthorized possession of the Answer sheets by a student or any other person constitutes an examination irregularity calling for stiff disciplinary action.
8. Do not pluck any page from this Booklet. Any extra/unused answer sheets should be returned to the **Examination Office**.
9. Candidates who come to examination room 30 minutes late will not be allowed to sit for the exam.
10. Candidates will not be allowed to leave the exam room once the exam commences.
11. Candidates are advised that importance is attached by examiners to accuracy and clarity of expression.
12. Committing any form of irregularity is prohibited and shall attract severe disciplinary action in accordance with Alupe University College Examination Regulations.

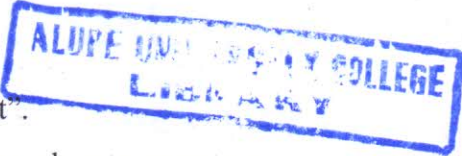
Student Admission No.....Exam Card No.....Signature.....

**FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION
(ARTS) AND BACHELOR OF EDUCATION (BUSINESS STUDIES)**

INSTRUCTIONS TO CANDIDATES

Answer Question ONE and any other TWO questions. Maps, sketches and diagrams should be used whenever they serve to illustrate the answer. Do not write on the question paper.

Question One

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- a) Define the term "physical environment". (2 Marks)
- b) Describe structure of the atmosphere based on temperature. (12 Marks)
- c) Explain effects of earth rotation and earth revolution. (8 Marks)
- d) Briefly explain the following theories used to explain the origin of the earth.
- i. Nebular cloud theory (4 Marks)
 - ii. Passing star theory (4 Marks)

Question Two

- a) Define the following terms:
- i. Weather (2 Marks)
 - ii. Climate (2 Marks)
- b) Describe the Köppen classification system of world climates. (10 Marks)
- c) Highlight the role of weather forecasting to human activities. (6 Marks)

Question Three

- a) Describe any two of the following processes of the hydrological cycle.
- i. Percolation (4 Marks)
 - ii. Evapotranspiration (4 Marks)
 - iii. Surface runoff (4 Marks)
 - iv. Infiltration (4 Marks)
- b) Explain effects human activities on the hydrological cycle. (12 Marks)

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Question Four

- a) Differentiate between effusive eruption and explosive eruption in volcanicity. (2 Marks)
- b) Describe the folding process (6 Marks)
- c) Explain how any two of the following features of faulting process are formed
 - i) Block Mountain (6 Marks)
 - ii) Tilt Block (6 Marks)
 - iii) Rift valley (6 Marks)

Question Five

- a) With an aid of well labeled diagram, describe world pressure and wind patterns. (10 Marks)
- b) Explain the effects of world pressure and wind patterns to world climatic zones. (10 Marks)