



**ALUPE UNIVERSITY
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Bastion of Knowledge...

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OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2018 /2019 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER REGULAR EXAMINATION

**FOR THE DEGREE OF BACHELOR OF
EDUCATION (ARTS/B.ST)**

COURSE CODE: GEO 110

**COURSE TITLE: THE EARTH'S PHYSICAL
ENVIRONMENTS**

DATE: 18TH DECEMBER, 2018

TIME: 9.00 AM – 12.00 PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

GEO 110: THE EARTH'S PHYSICAL ENVIRONMENTS

STREAM: BED (Arts) / BED (B.Studies)

DURATION: 3 Hours

INSTRUCTIONS TO CANDIDATES

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

Question One

- a) Define the following terms as used in the study of Physical and Environmental Geography.
 - i) Aggradation (2 Marks)
 - ii) Degradation (2 Marks)
 - iii) Environment (2 Marks)
 - iv) Endogenic process (2 Marks)
- b) Explain FOUR major components of earth's physical environment. (12 Marks)
- c) Discuss how the physical environment influences distribution of human activities on the earth surface. (10 Marks)

Question Two

- a) What is atmosphere? (2 Marks)
- b) Account for temperature characteristics of the following layers of the atmosphere:
 - i) Troposphere (2 Marks)
 - ii) Thermosphere (2 Marks)
 - iii) Mesosphere (2 Marks)
- c) Describe the atmosphere using its function and composition. (12 Marks)

Question Three

- a) Using suitable illustrations, describe any THREE types of folds. (12 Marks)
- b) Explain FOUR significances of features resulting from folding. (8 Marks)

Question Four

- a) Define the following terms:
 - i) Hydrosphere (2 Marks)
 - ii) Cryosphere (2 Marks)
- b) Explain FOUR main reservoirs of the earth's water. (8 Marks)
- c) Explain how the hydrological cycle creates energy balance among the hydrosphere, lithosphere, atmosphere and biosphere. (8 Marks)

Question Five

- a) Define the following terms:
 - i) Lapse rate (2 Marks)
 - ii) Temperature (2 Marks)
 - iii) Temperature inversion (2 Marks)
- b) Explain how temperature differences cause variations in the earth's surface horizontal pressure. (4 Marks)
- c) Discuss any FIVE challenges faced in weather forecasting. (10 Marks)
