

GEO 110



ALUPE UNIVERSITY

OFFICE OF THE DEPUTY VICE CHANCELLOR

ACADEMICS, RESEARCH AND STUDENTS AFFAIRS

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

**FIRST YEAR FIRST SEMESTER REGULAR MAIN
EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF
EDUCATION ARTS**

COURSE CODE: GEO 110

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

DATE: 19/12/2022

TIME: 2.00AM- 5.00PM

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)

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 the answer.
- iii. Do not write on the question paper.

Question One

- a) Explain the meaning of the term “ physical environment” (2 Marks)
- b) Discuss the History and Future of Physical Environment. (12 Marks)
- c) Briefly describe the important future trends in physical environment studies and research. (10 Marks)
- d) Briefly explain the following theories used to explain the origin of the earth.
 - i. The big bang theory (3 Marks)
 - ii. Passing star theory (3 Marks)

Question Two

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

Question Three

- a) Describe role of any TWO of the following processes to the water cycle.
 - i. Percolation (4 Marks)
 - ii. Evapotranspiration (4 Marks)
 - iii. Surface runoff (4 Marks)
 - iv. Infiltration (4 Marks)

- b) Explain importance of hydrological cycle to human activities. (12 Marks)

Question Four

- a) Briefly explain the following types of eruptions in volcanicity:
- i. effusive eruption (1 Marks)
 - ii. explosive eruption (1 Marks)
- b) Explain the problems faced by the people living in the Rift valley areas of East Africa (8mks)
- c) Explain how any TWO of the following features of faulting process are formed
- i) Horst Mountain (5 Marks)
 - ii) Escarpment (5 Marks)
 - iii) Rift valley (5 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)
