

GEO 312E



ALUPE UNIVERSITY

OFFICE OF THE DEPUTY VICE CHANCELLOR
ACADEMICS, RESEARCH AND STUDENT AFFAIRS

UNIVERSITY EXAMINATIONS

2025/2026 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER REGULAR MAIN
EXAMINATION

FOR THE DEGREE OF BACHELOR OF
EDUCATION

COURSE CODE: GEO 312E

COURSE TITLE: BIOGEOGRAPHY

DATE: 17TH DECEMBER, 2025

TIME: 2.00PM – 5.00PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

GEO 312E: BIOGEOGRAPHY

STREAM: BED

DURATION: 3 HOURS

INSTRUCTIONS TO CANDIDATES

- i. Answer Question ONE and any other TWO questions.*
- ii. Do not write on the question paper*

Question One

- a) Explain the concepts of endemism and vicariance in Biogeography. (6 Marks)
- b) Describe the difference between Arboreal Habitat and subterranean habitats, giving examples. (6 Marks)
- c) Highlight any four factors that limit the distribution of plants and animals. (8 Marks)
- d) Examine any five roles of micro-habitats, giving relevant examples in each. (10 Marks)

Question Two

- (a) Describe ANY TWO vegetation regions in the world. (10 Marks)
- (b) Highlight FIVE factors that influence the distribution of vegetation in the world. (10 Marks)

Question Three

Using the Aberdare National Park in Kenya as a case study,

- (a) Examine the biotic factors that affect the distribution of plants and animals. (10 Marks)
- (b) Describe the type of vegetation found in the Aberdares National Park. (10 Marks)

Question Four

- (a) Explain the role of barriers in species distribution. (10 Marks)
- (b) Highlight ways of overcoming barriers in species distribution. (10 Marks)

Question Five

(a) Discuss human impacts on plant and animal distribution in a Wetland environment. (10 Marks)

(b) Examine the following abiotic limiting factors for plants and animals. (10 Marks)

- i. Climate
- ii. Topography
- iii. Soil
- iv. Hydrological
- v. Human factors
