



UNIVERSITY EXAMINATIONS

FIRST SEMESTER 2025/2026 ACADEMIC YEAR

**THIRD YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN GEOGRAPHY**

GEOG 311: GEOMORPHOLOGY II

STREAM: BSc (GEOG)

TIME: 2 HRS

DAY: FRIDAY [11.30 – 1.30 P.M]

DATE: 06/02/2026

THIS QUESTION PAPER CONSISTS OF TWO (2) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

- i. Answer question **ONE** (compulsory) and any other **TWO** questions
- ii. Marks are indicated in parenthesis
- iii. Do no write on the question paper

SECTION A (30 MARKS)

QUESTION ONE (30 MARKS)

- a) Distinguish between the following geomorphological features
 - i. Sea Arch and Sea Stack (2 Marks)
 - ii. Barchan dunes and parabolic dunes (2 Marks)
 - iii. Gorge and V- shaped valley (2 Marks)
 - iv. Composite volcano and shield volcano (2 Marks)
- b) Outline any **four** (4) Aeolian erosional features (8 Marks)
- c) Briefly outline how landforms are classified on the basis of systematic analysis (6 Marks)
- d) Highlight using specific example in each case **four** (4) intrusive landforms in Kenya (8 Marks)

SECTION B

QUESTION TWO (20 MARKS)

- a) Using examples, describe the major features that define the continents (10 Marks)
- b) Using examples drawn from Kenya, examine fluvial depositional landforms (10 Marks)

QUESTION THREE (20 MARKS)

- a) Explain the conditions for the development of Karst Landscapes (10 Marks)
- b) Outline the erosional processes under the following headings:
 - i. Deflation (2 Marks)
 - ii. Saltation (2 Marks)
 - iii. Abrasion (2 Marks)
 - iv. Karstification (2 Marks)
 - v. Solution (2 Marks)

QUESTION FOUR

- a) Giving Kenyan examples describe four (4) flood plan features (8 Marks)
- b) Describe the factors that influence the coastal geomorphology (12 Marks)

QUESTION FIVE

Plate tectonics are responsible for most of the world outstanding landforms. Explain this statement. (20 Marks)