



UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

**THIRD YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE (GEOGRAPHY)**

GEOG 311: GEOMORPHOLOGY II

STREAM: R

TIME: 2 HRS

DAY: MONDAY [8.30AM – 10.30AM]

DATE: 19/12/2022

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.



INSTRUCTIONS

- i. Answer all questions in Section A and ANY TWO questions in Section B
- ii. Marks are indicated in parenthesis
- iii. Do no write on the question paper

SECTION A (40 MARKS)**QUESTION ONE**

- (a) Briefly explain how rocks influence the formation of landforms. (4 Marks)
- (b) Clearly illustrate the rock cycle and the formation process. (6 Marks)

QUESTION TWO

- (a) Distinguish between a Dyke and a Sill, and provide classical examples in Kenya. (4 Marks)
- (b) State and give examples in each case four (4) volcanic features in Kenya. (6 Marks)

QUESTION THREE

- (a) Describe two (2) desert geomorphic processes and give examples of the resultant landforms. (6 Marks)
- (b) Enumerate four (4) classical coastal landscape features. (4 Marks)

QUESTION FOUR

Explain Five (5) mechanical weathering processes that are fundamental in landform shaping. (10 Marks)

SECTION B (30 MARKS)**QUESTION FIVE**

- (a) Using examples, explain the formation of volcanic plateaus. (5 Marks)
- (b) Demonstrate how mass wasting processes have shaped landscapes in Kenya. (10 Marks)



QUESTION SIX

- (a) Account for the formation of the Rift Valley and give clear examples of landforms.
(6 Marks)
- (b) Briefly explain three (3) plate margins interactions arising from tectonic movement
(9 Marks)

QUESTION SEVEN

The current day landforms can be attributed to endogenetic earth processes. Explain this statement.
(15 Marks)

