

The National University of Lesotho

BSc. and BA geography. Examination

PG 3321: Process Geomorphology Supplementary Exam

August 2023

Duration: 3 hours

Marks: 100

Instructions:

- Answer any **four (4)** questions
 - Where applicable illustrate your answer with diagrams.
-

Question 1

Describe how geomorphology has always relevant from the past, the way people were positioning their houses and how they ploughed. (25)

(25)

Question 2

People live on the landforms and their lives are affected by geomorphic processes, explain how they are affected giving examples. (25)

(25)

Question 3

- a. Describe Equilibrium and its relevance to geomorphic processes. (7)
- b. Define an open system, give example of an open system in geomorphology. (8)
- c. Define any 2 proxy indicators used in interpreting the environmental change and describe how they are used. (10)

(25)

Question 4

- a. Define frequency, recurrence and magnitude in floods studies and how they are important in disaster preparedness. (10)
- b. mention and define floods control measures that can be applicable in Lesotho (15)

(25)

Question 5

Discuss how climate extremes influence the existing landforms in Lesotho, give examples of such incidences. (25)

(25)

Question 6

a. Discuss the importance of integrated catchment management. (10)

b. Differentiate between degraded catchment and a well-managed catchment, how they influence water cycle (15)

(25)