

UGANDA MARTYRS' UNIVERSITY
FACULTY OF EDUCATION
BAED II: SEMESTER ONE EXAMS, 2023/2024
GEO 2101: GEOMORPHOLOGY

DATE: 11/12/2023 DURATION: 3 HOURS TIME: 2:00PM

Instruction:

- *Attempt any four questions in total*
 - *Maps, diagrams and illustrations should be used wherever appropriate*
 - *Do not write anything on the question paper*
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1 Examine the importance of geomorphology and discuss the various schools of thought. [25 marks]

2 Discuss the relevance of the Davisian cycle of erosion in understanding slope studies. [25 marks]

3. Analyze the role of water in slope stability [25 marks]

4. Compare and contrast the Pede planation [L.C King] and Uplift and denudation [W. Penck] models of slope development. [25 marks]

5 Write short explanatory notes on the following;

[a] Process- Response system [5 marks]

[b] Positive feedback [5 marks]

[c] Negative feedback [5 marks]

[d] Closed system [5 marks]

[e] Open system [5 marks]

6. [a] Explain the concept of the rock cycle [8 marks]

[b] Explain the formation of the various rock types and their significance. [17 marks]

7. 'Weathering changes the physical and chemical properties of rocks'. Examine the various ways rocks are broken down and highlight the value of weathering [25 marks]

END