



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2018/2019 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM & NATURAL RESOURCES  
MANAGEMENT**

**BACHEOR OF ARTS (GEOGRAPHY)**

**COURSE CODE: GEO 3230**

**COURSE TITLE: GEOMORPHOLOGY**

**DATE: 16<sup>TH</sup> APRIL 2019**

**TIME: 1100 - 1300 HRS**

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## **INSTRUCTIONS TO CANDIDATES**

Answer **ALL** questions in Section A, and any **TWO** questions in Section B. Use illustrations where appropriate. A simple calculator required during this examination. Borrowing of any materials from other candidates is strictly not allowed.

This paper consists of 2 printed pages. Please turn over

**SECTION A (ANSWER ALL QUESTIONS)**

**Question One**

(a) What is the relationship between geomorphology and geology? **(2 marks)**

(b) Describe the major contributions of any FOUR of the following scholars to the development of geomorphology as a discipline;

- |                       |                      |                  |
|-----------------------|----------------------|------------------|
| (i) Leonardo Da-Vinci | (vi) Agricola        |                  |
| (ii) John Powell      | (vii) Herodotus      |                  |
| (iii) James Hutton    | (viii) Charles Lyell |                  |
| (iv) William Davis    |                      | <b>(8 marks)</b> |
| (v) Louis Agassiz     |                      |                  |

(c) Giving one example for each explain how the following situations could occur in a geomorphic systems

- |                         |                  |
|-------------------------|------------------|
| (i) Negative feed back  | <b>(2 marks)</b> |
| (ii) Positive feed back | <b>(2 marks)</b> |
| (iii) Homeostasis       | <b>(2 marks)</b> |

(d) Distinguish between exogenous and endogenous process **(4 marks)**

(f) 'Technological developments and population growth have made human beings the most important agents for landscape change in many parts of the world'.

Discuss. **(10 marks)**

**[Total 30 marks]**

**SECTION B (ANSWER ANY TWO QUESTIONS)**

**Question two**

Discuss six practical farming strategies that are commonly used in the management of soil erosion. **[20 marks]**

**Question three**

(a) Using a sketch explain the main features of a geomorphic system **(4 marks)**

(b) Explain the formation of any six types of igneous land forms. **[16 marks]**

**Question four**

Discuss the potential geomorphological consequences of global warming in the hydrosphere. **[20 marks]**

**Question Five**

Using the plate tectonics theory account for the frequent occurrence earthquakes and volcanic activities in certain areas of the world. **[20 marks]**

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