



# **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  
1300 HRS**

**TIME: 1100 -**

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

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

(i) Negative feed back (2 marks)

(ii) Positive feed back (2 marks)

(iii) Homeostasis (2 marks)

(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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END.....

