



MAASAI MARA UNIVERSITY

**SUPPLEMENTARY/SPECIAL/RESIT
EXAMINATIONS
2023/2024 ACADEMIC YEAR
THIR YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES,
ENVIRONMENTAL STUDIES AND
AGRICULTURE**

BACHELOR OF EDUCATION ARTS

**COURSE CODE: GEO 3127-1
COURSE TITLE: GEOMORPHOLOGY**

DATE: 14/12/, 2023

TIME: 1430-1630 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

This paper consists of 2 printed pages. Please turn over

SECTION A: SHORT ANSWER QUESTIONS (20 MARKS)

1. Define and explain the scope of geomorphology, Highlight its significance in understanding land formation processes. **(5 marks)**
2. Describe the relationship between global tectonics and the formation of tectonic and volcanic landforms. **(5 marks)**
3. Explain the significance of weathering and mass-wasting processes in shaping landforms. **(5 marks)**
4. Discuss the impact of fluvial processes on landforms. **(5 marks)**
5. Analyze the role of climate in denudation processes and how climate influence the shaping of geological structures and landforms **(5 marks)**

SECTION B: LONG ANSWER QUESTIONS (30 MARKS)

6. Elaborate on the theories and models that underlie the development of the Earth's surface features in geomorphology. **(10 marks)**
7. Highlighting the distinct features and the mechanisms behind their formation, compare and contrast the landforms created by glacial processes with those formed by wave action and coastal processes. **(10 marks)**
8. Discuss the unique characteristics of arid and semi-arid landforms and explain the processes involved in their development. **(10 marks)**
9. Providing examples, explore the concept of Karst processes and their role in forming distinctive landforms. **(10 marks)**

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