

414



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR,

**1ST YEAR FIRST SEMESTER, EXAMINATION
FOR THE DEGREE
OF**

BACHELOR OF EDUCATION (ARTS)

COURSE CODE: GEO 111

COURSE TITLE: THE EARTH'S PHYSICAL ENVIRONMENTS

DATE: Friday 15th December, 2023

TIME: 8:00-10:00am

INSTRUCTIONS TO CANDIDATES

- Answer question ONE and any other TWO questions
- Use illustrations to add answer value

MMUST observes ZERO tolerance to examination cheating

- 1) By use of relevant diagrams describe the following geographic phenomena.
 - i. Fault mountains (6marks)
 - ii. The Rock cycle (6marks)
 - iii. Land and sea breezes (6marks)
 - iv. Central cone volcanoes (6marks)
 - v. Milky-Way Galaxy (6 marks)

- 2) Describe material cycling in the biosphere basing on the trophic levels.
(20 marks)

- 3) Using clear examples, distinguish between bio-physical and bio-chemical weathering
(20 marks)

- 4) Explain the formation of convectional, relief and frontal rainfall in the Kenyan environment
(20 marks)

- 5) Explain the behaviour of the tectonic plate margins between;
 - a) African, and Eurasian,
 - b) Africa and the Americas (North and South) and
 - c) North America and the Pacific plates.
(20 marks)