



OFFICE OF THE DEPUTY PRINCIPAL  
ACADEMICS, RESEARCH AND STUDENT AFFAIRS

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# UNIVERSITY EXAMINATIONS

## 2021/2022 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER REGULAR EXAMINATION

**FOR THE DEGREE OF BACHELOR OF  
EDUCATION (ARTS/BUSINESS STUDIES)**

**COURSE CODE: GEO 110**

**COURSE TITLE: EARTH'S PHYSICAL ENVIRONMENT**

**DATE: 18<sup>th</sup> JANUARY 2022.**

**TIME: 2:00 – 5:00 PM**

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### INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

REGULAR-MAIN EXAM

GEO: EARTH'S PHYSICAL ENVIRONMENT

STREAM: BED (Arts)

DURATION: 3 HOURS

INSTRUCTIONS TO CANDIDATES

- (i) Answer Question ONE and any other TWO questions.
- (ii) Maps, sketches and diagrams should be used whenever they serve to illustrate the answer.
- (iii) Do not write on the question paper.

**QUESTION ONE**

- a) Describe disciplines enhancing knowledge on nature of biosphere ( 5 Marks)
- b) Highlight characteristics of life layer making the earth habitable (5 Marks)
- c) Differentiate between endogenic and exogenic land forming processes ( 5 Marks)
- d) Describe the procedure of superimposing principle in dating rocks (5 Marks)
- e) Highlight features of meteorites key to understanding the core of the earth ( 5 Marks)
- f) Highlight mechanisms by which the lithosphere moves ( 5 Marks)

**QUESTION TWO**

- a) Examine key indicators used in delineating major layers of the atmosphere ( 9 Marks)
- b) Describe the structure of atmosphere using a clearly labeled diagram ( 11 Marks)

**QUESTION THREE**

- a) Using labeled diagrams describe three theories behind formation of great rift valley of eastern Africa (12 Marks)
- b) Suggest ways in which great rift valley of eastern Africa could be harnessed as a resource for socioeconomic development (8 Marks)

**QUESTION FOUR**

- a) Describe major hydrological cycle processes ( 12 Marks)
- b) Examine hydrological knowledge in improving quality of life in Kenya ( 8 Marks)

**QUESTION FIVE**

- a) “Global warming is the major existential treat facing humanity” discuss ( 14 Marks)
- b) Suggest measures Kenyan government should embrace to offset climate change treats ( 6 Marks)