



OFFICE OF THE DEPUTY PRINCIPAL  
ACADEMICS, RESEARCH AND STUDENT AFFAIRS

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# UNIVERSITY EXAMINATIONS

## 2019/2020 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF  
EDUCATION (ARTS)

COURSE CODE: GEO 110

COURSE TITLE: THE EARTH'S PHYSICAL  
ENVIRONMENTS

DATE: 5<sup>TH</sup> DECEMBER, 2019

TIME: 2.00 PM – 5.00 PM

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### INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER



**GEO 110: THE EARTH'S PHYSICAL ENVIRONMENTS**

**STREAM: BED (Arts)**

**DURATION: 3 Hours**

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**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) Define the following terms:
  - i. Physical Geography (2 Marks)
  - ii. Physical Environment (2 Marks)
- b) The physical environment is made up four major components. Giving relevant examples for each, explain any two of these components. (8 Marks)
- c) Distinguish between aggradation and degradation. (4 Marks)
- d) Describe any TWO landforms caused by endogenic forces. (8 Marks)
- e) Discuss two ways in which the earth relates to the sun. (6 Marks)

**Question Two**

- a) Describe any FOUR major processes involved in the water cycle. (12 Marks)
- b) Explain any FOUR human activities that can affect hydrological cycle. (8 Marks)

**Question Three**

- a) Describe how energy from the sun flows in any given ecosystem. (8 Marks)
- b) Explain FOUR major phases of ecological succession and give relevant example for each. (12 Marks)

**Question Four**

- a) Define the following terms:
  - i. Atmosphere (2 Marks)
  - ii. Environmental lapse rate (2 Marks)
- b) Explain briefly characteristics of the following layers of atmosphere
  - i. Troposphere (4 Marks)
  - ii. Mesosphere (4 Marks)
  - iii. Stratosphere (4 Marks)
  - iv. Exosphere (4 Marks)

**Question Five**

- a) With aid of a diagram, describe the following layers of internal structure of the earth:
  - i. Crust (4 Marks)
  - ii. Mantle (4 Marks)
  - iii. Core (4 Marks)
- b) Explain how rock density and temperature vary from the crust to the core. (8 Marks)

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