

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

FIRST YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE (GEOGRAPHY)

GEOG 111: THE PHYSICAL ENVIRONMENT

STREAM: R

TIME: 2 HRS

DAY: TUES [11.30AM – 13.30]

DATE: 13/12/2022

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

INSTRUCTIONS: - Answer question ONE and select any other ONE question from each section. Diagrams should be used whenever they serve to illustrate an answer

SECTION A

QUESTION ONE (Compulsory- 30 MARKS)

- (a) Define the following terms:
- (i) Environment (2 marks)
 - (ii) Geography (2 marks)
 - (iii) Human geography (2 marks)
 - (iv) Geomorphology (2 marks)
- (b) Differentiate between components of physical geography and components of physical environment. (7 marks)
- (c) Explain any FOUR sub-branches of physical geography. (4 marks)
- (d) Explain why it is important for the students of geography to study the physical environment. (5 marks)
- (e) Discuss how physical geography is related to any three other disciplines. (6 marks)

QUESTION TWO

- (a) Define the following:
- (i) Environmental geography (2 marks)
 - (ii) Quaternary science (2 marks)
 - (iii) Geometics (2 marks)
 - (iv) Oceanography (2 marks)
- (b) Explain the following:
- (i) The origin of the earth (2 marks)
 - (ii) The shape of the earth. (3 marks)
 - (iii) The crust/lithosphere. (4 marks)
- (c) Explain the structure of the atmosphere. (8 marks)
- (d) Discuss the concept of continental drifting. (5 marks)

SECTION B

QUESTON THREE

- (a) Explain the elements of weather. (10 marks)
- (b) From (a) above, explain the instruments used to measure the elements of weather. (10 marks)

QUESTION FOUR

Discuss the various ways by which man has impacted the environment and suggest ways by which such impacts can be minimised. (20 marks)

QUESTION FIVE

- (a) Explain the factors that influence the distribution of plants and animals on the earth's surface. (10 Marks)
- (b) Discuss the energy and nutrient cycle. (10 marks)

QUESTION SIX

- (a) Explain the significance of biogeography to man. (6 marks)
- (b) Discuss the measures so far undertaken by the Kenya Government to protect its flora and fauna. (12 marks)

