

UNIVERSITY EXAMINATIONS

1ST SEMESTER 2022/2023 ACADEMIC YEAR

**FIRST YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF EDUCATION (ARTS)**

**GEOG 127: INTRODUCTION TO PHYSICAL AND
BIOLOGICAL GEOGRAPHY**

STREAM: R

TIME: 2 HRS

DAY: TUESDAY [11.30 – 13.30]

DATE: 20/12/2022

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

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

SECTION A

QUESTION ONE

- (a) Define the following:
 - (i) Physical geography (2 marks)
 - (ii) Physical Environment (2 marks)
 - (iii) Atmosphere (2 marks)
 - (iv) Geomorphology (2 marks)
 - (v) Climatology (2 marks)
- (b) Explain the FOUR components of Physical geography. (4 marks)
- (c) Explain any five sub-branches of physical geography. (5 marks)
- (d) Briefly state why students of geography should be interested in the study of physical geography. (3 marks)
- (e) Examine the relationship between Physical Geography and any FOUR other related disciplines. (8 marks)

QUESTION TWO

- (a) Describe any TWO features caused by both endogenic and exogenic processes. (8 marks)
- (b) Discuss the internal structure of the earth. (8 marks)
- (c) Explain the following:
 - i. Oceanography (2 marks)
 - ii. The composition of the earth's atmosphere. (8 marks)
 - iii. The shapes of the earth. (4 marks)

SECTION B

QUESTION THREE

- (a) Explain the elements of weather and the various instruments used to measure them. (10 marks)

- (b) Discuss the various ways by which man has impacted the climate and suggest ways by which such impacts can be minimized. (10 marks)

QUESTION FOUR

Discuss the major world climatic regions. (20 marks)

SECTION C

QUESTION FIVE

- (a) Explain the following:
- (i) Ecosystem. (2 marks)
 - (ii) Biogeography. (2 marks)
 - (iii) Types of biogeography. (4 marks)
- (b) Explain how biogeography supports evolution. (4 marks)
- (c) Describe the energy and nutrient cycle. (8 marks)

QUESTION SIX

- (a) Explain the significance of the study of biogeography. (4 marks)
- (b) Discuss the factors that determine the distribution of plants and animals in the world today. (8 marks)
- (c) Identify any one ecosystem and explain the relationship between living and non-living organisms in that system. (8 marks)

