



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF ARTS IN GEOGRAPHY
FIRST SEMESTER, 2021/2022
(FEBRUARY - JUNE, 2022)**

GEOG 201: EARTHS PHYSICAL AND BIOLOGICAL GEOGRAPHY

STREAM: Y2 S1

TIME: 2 HOURS

DAY:

DATE:

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE in section A (Compulsory) and any other TWO Questions from section B.***

SECTION A

QUESTION ONE

Using a clear model explain how the functions in the vertical structure of the atmosphere (VSA) relate to the operations in the hydrological cycle. (20 marks)

QUESTION TWO

Discuss briefly the processes of a rivers erosive power. (10 marks)

SECTION B

QUESTION THREE

Discuss fully the denudational processes that disintegrate rocks on the surface of the Earth. (20 marks)

QUESTION FOUR

Explain the following terms as used in the study:

- (a) Landslides (5 marks)
- (b) Ecological niche (5 marks)
- (c) Dendritic Drainage Pattern (5 marks)
- (d) Radial Drainage Pattern (5 marks)

QUESTION FIVE

Explain clearly how climates contribute to the erosion of slopes (10 marks)

QUESTION SIX

Briefly explain the functions of meteorological station in any regions of the world. (10 marks)