



**MACHAKOS UNIVERSITY**  
University Examinations for 2022/2023 Academic Year  
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

**SECOND YEAR FIRST SEMESTER SUPPLEMENTARY/SPECIAL  
EXAMINATION FOR BACHELOR OF EDUCATION (ARTS)/BACHELOR OF  
EDUCATION (SPECIAL NEEDS)/ BACHELOR OF ARTS**

**AGE 201: PHYSICAL GEOGRAPHY II**

**DATE: 8/3/2023**

**TIME: 2.00 – 4.00 PM**

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**INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS.**

**QUESTION ONE (30 MARKS)**

- a) Distinguish between Confined and Unconfined Aquifers (6 Marks)
- b) Define the terms
  - i. Water Balance Concept (2 Marks)
  - ii. Precipitation (2 Marks)
  - iii. Infiltration Rate (2 Marks)
  - iv. Water Table (2 Marks)
  - v. Drainage Divide (2 Marks)
- c) Using suitable examples, explain how weathering influence man's decisions (10 Marks)
- d) Describe any two Aeolian landforms (4 Marks)

## **QUESTION TWO (20 MARKS arks)**

Describe the major threats to forests cover and explain how these have interfered with the hydrologic cycle in any one of major ‘water towers’ in Kenya.

## **QUESTION THREE (20 MARKS)**

- a) Identify and explain any three hydrologic processes within a river basin (9 Marks)
- b) Using an illustration, explain what is meant by river regimes (6 Marks)
- c) Explain the significance of ground water resources (5 Marks)

## **QUESTION FOUR (20 MARKS)**

- a) Explain how slopes affect man’s activities (10 Marks)
- b) Describe different types of weathering processes (10 Marks)

## **QUESTION FIVE (20 MARKS)**

- a) Explain FIVE (5) factors influencing coastal morphology (10 Marks)
- b) Using suitable illustration, describe the components of the hydrologic cycle (10 Marks)