



MACHAKOS UNIVERSITY

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

**SECOND YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF EDUCATION
(ARTS)/BACHELOR OF EDUCATION (SPECIAL NEEDS)/ BACHELOR OF ARTS
AGE 201: PHYSICAL GEOGRAPHY II MAIN EXAM**

Date:

Time: *(To be fixed during exam proofreading)*

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS.

QUESTION ONE (30 MARKS)

- A. Explain the water balance concept (5 Marks)
- B. Explain the mechanisms of precipitation formation (6 Marks)
- C. Describe the processes within a river basin (10 Marks)
- D. Differentiate the terms Potential Evapo-Transpiration (PET) and Actual Evapo-Transpiration (4 Marks)
- E. Expound on the FIVE (5) types of chemical processes of weathering (5 Marks)

QUESTION TWO (20 Marks)

Describe the term desertification and explain the role of man in exacerbating the process (20 Marks)

QUESTION THREE (20 Marks)

Discuss the factors that:

- a. Affect slope stability (10 Marks)
- b. Influence coastal morphology (10 Marks)

QUESTION FOUR (20 Marks)

Explain the significance of underground water resources in Arid and Semi Arid Lands of Kenya (20 Marks)

QUESTION FIVE (20 Marks)

- A) Outline the Cycle of Erosion as postulated by William Davis Morris (10 Marks)
- B) Critique William Davis Morris theory of Landscape Development (10 Marks)