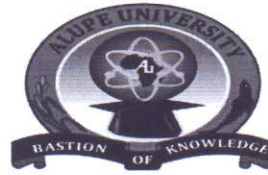


GEO 416



ALUPE UNIVERSITY

**OFFICE OF THE DEPUTY VICE CHANCELLOR
ACADEMICS, RESEARCH AND STUDENT AFFAIRS**

UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

**FOURTH YEAR FIRST SEMESTER REGULAR MAIN
EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF
EDUCATION (ARTS)**

COURSE CODE: GEO 416

COURSE TITLE: HYDROLOGY AND WATERSHED

MANAGEMENT

DATE: 21ST DECEMBER, 2023

TIME: 2.00PM – 5.00PM

INSTRUCTION TO CANDIDATES

- **SEE INSIDE**

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

GEO 416- HYDROLOGY AND WATERSHED MANAGEMENT

STREAM: BED (ARTS)DURATION: 3 HOURSINSTRUCTIONS TO CANDIDATES

- i. Answer Question **ONE** and any other **TWO** questions.
- ii. Maps, sketches and diagrams should be used whenever they serve to illustrate the answer.
- iii. Do not write on the question paper.

Question One

- a) Write brief notes about the following terminologies. (15Marks)
 - i) Hydrology
 - ii) River basin
 - iii) Ground water system
 - iv) Turbidity
 - v) Interception
- b) Using a diagram examine **FIVE** processes that occur in a hydrological cycle. (10 Marks)
- c) What is international water conflicts. (5Marks)

Question Two

- a) Examine the concept of **water quality**. (5Marks)
- b) Assess **FIVE** factors that account for variations in the quality of surface water in a drainage basin. (15Marks)

Question Three

- a) i) Explain the meaning of soil erosion. (2 Marks)
 - ii) Examine the preventive and remedial measures of sediment control in streams to improve water quality. (8 Marks)
- b) Water contamination is a threat to humanity, Discuss. (10 Marks)