



KAIMOSI FRIENDS UNIVERSITY
(SPECIAL)

UNIVERSITY EXAMINATIONS
2025/2026 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE
OF
BACHELOR OF EDUCATION (SCIENCE) AND BACHELOR OF SCIENCE IN
AGRICULTURAL ECONOMICS AND RESOURCE MANAGEMENT

COURSE CODE: ASS 101/AGR 101

COURSE TITLE: INTRODUCTION TO SOIL SCIENCE

DATE: 23rd June 2026

TIME 09:00 – 11:00 AM

INSTRUCTIONS TO CANDIDATES

1. Answer questions (ONE) and ANY OTHER TWO questions from the choices given.
2. Phones, smart watches, ear phones Or any other unauthorized digital gadgets and applications are not allowed in the examination room.
3. Answer all questions in the exam booklet provided.
4. Do not write on this question paper.
5. All KAFU examination rules and regulation apply

DURATION OF EXAMINATION: TWO (2) Hours

KAFUCO observes ZERO tolerance to examination cheating

This examination paper consists of 2 pages. Please Turn Over.

QUESTION 1

- i What are soil horizons and how are they developed? (4 marks)
- ii What role does soil organic matter play in the general soil life ?(4 marks)
- iii Discuss the role and functions of soils (4 marks)
- iv What is soil classification?(4 marks)
- v What is a soil composition? (4 marks)
- vi Discuss the factors that control soil formation?(3 marks)
- vii What is a soil profile? (3 marks)
- viii What is soil life? Show its composition(4 marks)

QUESTION 2

- a) What is soil fertility? (5 marks),
- b) Show the differences between micro and macro nutrients (15 marks),

QUESTION 3

- a) Show the structure of a soil. (5 marks)
- b) Explain the factors that influence soil structure (15 marks)

QUESTION 4

- a) What are soil physical properties? (20 marks),
- b) Show the main soil physical properties (20 marks),

QUESTION 5

- a) What are soil chemical properties? (4 marks),
- b) Discuss important properties (16 marks),