

## MANICALAND STATE UNIVERSITY OF APPLIED SCIENCES

## FACULTY OF ENGINEERING, APPLIED SCIENCES AND TECHNOLOGY

## DEPARTMENT OF APPLIED STATISTICS

MODULE: CALCULUS CODE: ASTA 110

SESSIONAL EXAMINATIONS JUNE 2023

DURATION: 3 HOURS EXAMINER: MR A CHAKAIPA

## **INSTRUCTIONS**

- 1. Answer **All** in Section A
- 2. Answer three questions in Section B.
- 3. Start a new question on a fresh page
- 4. Total marks 100

Additional material(s): Non-programmable electronic scientific calculator.