

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF EDUCATION ARTS

EDCI 331: MATHEMATICS SUBJECT METHODS

STREAMS: BED (ARTS, SCI) Y3S2

TIME: 2 HOURS

DAY/DATE: TUESDAY 11/04/2023

8.30 A.M. – 10.30 P.M.

INSTRUCTIONS:

- Answer question ONE and any other TWO questions
- Do not write on the question paper

- (a) Mathematics is an important subject in daily life. Outline five reasons why it is taught in universally. [10 marks]
 - (b) Elaborate on the significance of micro teaching in teacher education programs. [10 marks]
 - (c) Explain the rationale for setting instructional objectives in mathematics instructions. [10 marks]
- (a) Discuss the importance of lesson plan as an instructional tool to a professional teacher. [10 marks]
 - (b) Explain the merits and limitations of deductive teaching approach in mathematics instructions. [10 marks]
- Teachers are expected to use the questioning technique/skill in teaching and learning of mathematics. Using relevant examples in each case, justify the use of this technique. [20 marks]
- (a) Explain five considerations that a teacher should observe when selecting instructional resources. [10 marks]
 - (b) Discuss the benefits of using small groups as a method of teaching to enhance learners' participation in class. [10 marks]