



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SPECIAL EXAMINATIONS
THIRD YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF EDUCATION (ARTS)
FIRST SEMESTER, 2021/2022
(FEBRUARY - JUNE, 2022)

EDCI 332: MATHEMATICS TEACHING METHODS

STREAM: Y3 S1

TIME: 2 HOURS

DAY: MONDAY, 8:00 – 10:00 A.M.

DATE: 25/07/2022

INSTRUCTIONS

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE (Compulsory) and any other TWO questions.***

QUESTION ONE

- Discuss mathematics as a
 - Language [4 marks]
 - Science [4 marks]
- Explain the four broad goals of teaching mathematics in Kenya [8 marks]
- Discuss any three micro-teaching skills [6 marks]
- Discuss any three documents a teacher always prepares before teaching [6 marks]
- Explain the four main parts of mathematics lesson plan [6 marks]

QUESTION TWO

- With appropriate examples of action verbs discuss the six levels of knowledge according to the Bloom's taxonomy [12 marks]
- Differentiate between psychomotor and affective domains and their roles in teaching mathematics [8 marks]

QUESTION THREE

- a. Discuss the individual differences in classroom in mathematics classroom [7 marks]
- b. Discuss some of the resources that can be found in mathematics classroom [7 marks]
- c. With appropriate examples differentiate between inductive and deductive approaches to teaching mathematics [6 marks]

QUESTION FOUR

- a. Explain the development of the mathematics curriculum before after independence [9 marks]
- b. Explain the reasons for the changes in the curriculum alluding to the specific changes in each circle [6 marks]
- c. Explain the criticisms against the modern mathematics [5 marks]