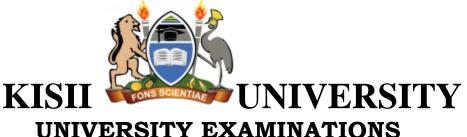
<u>EDCI 332</u>



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

a. Discuss mathematics as a

teaching mathematics

- i. Language
- ii. Science
- b. Explain the four broad goals of teaching mathematics in Kenya [8 marks]
- c. Discuss any three micro-teaching skills
- d. Discuss any three documents a teacher always prepares before teaching
 - [6 marks]

[4 marks]

[6 marks]

e. Explain the four main parts of mathematics lesson plan [6 marks]

QUESTION TWO

a.	With appropriate examples of action verbs discuss the six level	s of
	knowledge according to the Bloom's taxonomy	[12 marks]
b.	Differentiate between psychomotor and affective domains and	their roles in

[8 marks]

QUESTION THREE

a.	Discuss	the	individual	differences	in	classroom	in	mathematics	cla	ssroom
									[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]