



(University of Choice)

## MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

## UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

## SECOND YEAR FIRST SEMESTER EXAMINATIONS

SPECIAL/SUPPLIMENTARY EXAM

FOR

THE DIPLOMA IN EDUCATION

(EARLY CHILDHOOD EDUCTAION)

COURSE CODE:

**EYE 021** 

COURSE TITLE:

SCIENCE AND MATHEMATICS

CURRICULUM

DATE: 25TH JULY 2022

TIME: 11:00 AM - 1:00 PM

**INSTRUCTIONS TO CANDIDATES** 

ANSWER QUESTION ONE (1) AND ANY OTHER TWO (2)

QUESTIONS

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paner Consists of 2 Printed Pones Please Turn Over

1)	a)	Define the following terms	
,		i) Sorting	(2 marks)
		ii) Grouping	(2 marks)
		iii) Rote counting	(2 marks)
		iv) Science	(2 marks)
		v) Sequencing	(2 marks)
	b)	Outline five (5) activities when teaching number sequencing	g (5 marks)
	c)	State five (5) factors to consider when selecting materials	for teaching science
		and mathematics activities.	(5 marks)
	d)	State and explain methods used in approaching filling and	
		science activities.	(10 marks)
2)	a)	Describe five (5) characteristics of an effective science tea	
			(10 marks)
	b) Explain methods a science teacher can use to arouse and sustain the		
		ildren's interest in learning science.	(10 marks)
3)	•	State and explain the importance of learning mathematics	
		DDE class.	(10 marks)
		Discuss methods and activities of teaching science and ma	
		ECDE class.	(10 marks)
4)	3.50	Illustrate five (5) objectives of matching and pairing activitie	
		ildren.	(10 marks)
	b)	With examples, explain activities a teacher can carry out in	
		and pairing.	(10
<b>_</b> \	-1	marks)	ant of acionas akilla
5)	•	With examples, explain activities that arouse the developm	
		children.	(10
	marks)		
		Explain characteristics of science and mathematics activities	(10 marks)
	CH	ildren.	(IU IIIaiks)