



(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 Paper Consists of 2 Printed Papes 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	(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 en	mptying in
	,	science activities.	(10 marks)
2)	a)	Describe five (5) characteristics of an effective science teach	ner.
			(10 marks)
	b)	Explain methods a science teacher can use to arouse and si	
	of majori of microsci minoralis		(10 marks)
	a)	State and explain the importance of learning mathematics ar	
		DDE class.	(10 marks)
		Discuss methods and activities of teaching science and mat	
		ECDE class.	(10 marks)
4)		Illustrate five (5) objectives of matching and pairing activities	in young
		ildren.	(10 marks)
	b)	With examples, explain activities a teacher can carry out in o	
		and pairing.	(10
		marks)	nt of acionac akilly
5)		With examples, explain activities that arouse the developme	nt of science skills (10
		children.	(10
		arks)	s ekille in vound
		Explain characteristics of science and mathematics activities	(10 marks)
	CU	ildren.	(10 marks)