

MAASAI MARA UNIVERSITY

UNIVERSITY REGULAR EXAMINATIONS 2022/2023 ACADEMIC YEAR THIRD YEAR FIRST SEMESTER

SCHOOL OF EDUCATION BACHELOR OF EDUCATION

COURSE CODE: ECI 3116-1

COURSE TITLE: MATHEMATICS SUBJECTS METHODS

DATE: 9TH DECEMBER, 2022 TIME: 0830-1030

INSTRUCTIONS TO CANDIDATES

Answer Question **ONE** and any other **TWO** questions

This paper consists of **three** printed pages. Please turn over.

	e briefly how you would use to teach nu	mber patterns in Mathematic	s using
	the following methods. Demonstration	(3 mks)	
	Problem solving	(3 mks)	
	Supervised practice	(3 mks)	
d.	Instructional objectives are necessar statement with reference to three role of Mathematics in secondary school.	y in the teaching process.] es of instructional objectives i (3 mks)	in teaching
e.	Explain Blooms cognitive levels which examination questions. (5 mks)	can be used in the setting, M	amematics
f.	Describe Zoltan Dienes contribution to education.	the theory and practice of M (3 mks)	athematics
_	xplain the importance of a well prepratic equations (8n	pared lesson plan in the t	eaching of
th	. Planning is vital for successful teachine different considerations which Mathericcessful lesson plan.	ematics teachers should emp	
3a). Fin method.	d the value of x and y in the followin	g simultaneous equations us	sing matrix
	3x - y = 2. $X + y = 4$	(3 mks)	
b). Prepare a marking scheme of the promarks.		above; explain how you wo	ould award
se at th	. In 2003, the Kenya institute of education condary school Mathematics. One of titude towards Mathematics." Explain lis objective.	the objectives is, "Develop now you can help your stude	a positive ents realize (7 mks)
_	Explain briefly how you would use each of the following methods in Mathematics lessons on Angles.		
	Question and answer	(4 mks)	
	Exposition.	(4 mks)	
	Discussion	(4 mks)	
	Discovery	(3mks)	
	escribe three main components of instru		example in
each case in the teaching of Mathematics (7mks)			•
	Distinguish between Mathematics and M	athematics education	(2 mks)
	he teaching of Mathematics can be to caches. Using suitable examples explaks)		deductive

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