# MITYANA MUNICIPAL ACADEMIC COMMITTEE



## P. L. E. MOCK EXAMINATION 2023

## **MATHEMATICS**

	EMIS No.			Perso	nal No.	Time: Allowed 2 Hours 30 Mi		
					A CARTON CALLED	The state of the s		
Candidate	's Name:					Signature:		

#### READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

- Do not open this booklet until you are told to do so.
- This paper comprises two sections A and B.
- 3. Section A has 20 questions (40 marks)
- 4. Section B has 12 questions (60 marks)
- The paper has 12 pages altogether.
- All answers to both sections A and B MUST be written in the spaces provided
- All answers must be written in blue or black ballpoint pen or ink.
- 8. No calculators are allowed in the examinations room.
- Diagrams and Graph work must be done in pencil strictly.
- Unnecessary alteration of work will lead to loss of marks.
- 11. Any handwriting that cannot easily be read may lead to loss of marks.
- Do not fill anything in the boxes indicated "FOR EXAMINERS USE ONLY" and those inside the question paper.

FOR EXAMINER'S USE ONLY						
QN. No.	MARKS	INITIAL				
1 - 5						
6 - 10						
11 - 15						
16 - 20						
21 - 22						
23 - 24		V				
25 - 26	j j	i bo				
27 - 28						
29 - 30						
31 - 32		jn -				
TOTAL						

# SECTION A 40 marks.

1	Subtract 13 from 44.	2.	Shade A <sup>1</sup> - B
11.	Bubtlact 15	113	
+			A B
1			
		1 14 15	
A.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
217)			
		l Ne	
0	Find the most supplies in the	1	Write 196 in Roman numerals.
3.	Find the next number in the	4.	Write 190 in Roman numerus
11/1/4	sequence;		
	125, 64, 27,		
		1	
٠.			
1.7			
		100	
5.	Simplify: $\underline{5} - \underline{3}$	6.	Calculate the speed a motorist
•	Simplify: $\frac{5}{6} \cdot \frac{3}{4}$		covered in a distance of 30km in 45
Ú,		.1	minutes.
			minutes.
Western			
		1.5	
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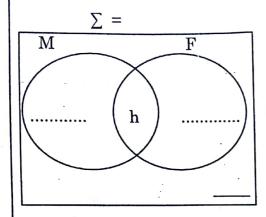
	7.	Simplify: 6k + 4p - 3k - 5p	8.	Calculate the value of angle y i
		The same of		degrees.
		V. S.		<u> </u>
	W.		,	
	7	. 2 1 1		
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			100	
		and the second s	1.1	
	- 1 - 3			
	,	uire	- 48	A STATE OF THE STA
4				
	14			50.42 9 and 5
	9.	Workout 7 + 6 using a numberline.	10.	Find the mean of 3, 4a, 8 and 3
4.				
	110			
	6	The second secon		
w.s.	and spiler and the	المهارية المنطقة المناسجين إلى المناسجين والمناسجين المناسجين المناسجين المناسجين المناسجين المناسجين المناسجي - أن المناسجين	ام سعومر برین هار این	And the second s
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1	A. C.		1	Language of the second of the
	143 (3)		t., '	
İ	11.	What number has been expanded	12.	Simplify; $9^0 + 9^4$
	1	to give;		
		$(2 \times 10^{-2}) + (5 \times 10^{2}) + (7 \times 10^{1}) + (3)$		
1	1			
-		x 10°)	1	
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		na Municipal Academic Committee 3	k	Please Turn Ov

13.	A primary seven teacher gave	e 14.			arc AC of t
	a quarter of a big chapati to his	1	quadrant	drawn bel	ow.
	pupils during break time. If he	1	A		
	gave out 16 chapatis, how many				
	pupils did he serve?	= ===			
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			7cm		
				/	
			B 7cr	n (	$\mathbf{C}$
			8 2 3 3 . 3		
	요 꽃하다 이 생선생님이 되겠				
		4 5			
. 3		27.0			
5.	Using a pair of compasses, a ruler	16.	Fill the ma	gic square	below.
	and a well sharpened pencil only,	1.			_ lov4.
1	construct a reflex angle of $210^{\circ}$ .		v	9	5
1					
			8	4	37
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			34		
			6	2	7
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in the					
			-		

1	Nalubega was given a bundle of	18.	If today is Tuesday. What day of
	one thousand shillings numbered		the week was it 47 days ago?
	from PR447500 to PR447699.		
	How much did she get?		
-			
	91		
	÷		
			•
	[경우] - 경우연속 - 모드 등.		
1	[연락중요] [하라 빛 4시 - 1] (인원	7	
		- 45°	
	[1986년 - 1986년		
		,	
19.	What is the difference between	20	Joan bought 2 dozens of pencils
	1122	_~.	John Sought 2 dozen of Persons
	the place value of 2 and the value		each at Shs. 4800 and later solo
	the place value of 2 and the value		
			each at Shs. 4800 and later solo
	the place value of 2 and the value		each at Shs. 4800 and later sold each pencil at Shs.350. Find th loss she made from the sale of a
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### SECTION B (60 marks)

- During primary seven leavers' party, all the 39 boys ate Matooke (M) (h + 3) ate matooke and Meat only, (5h - 11) ate matooke and fish (F) only, h boys ate all the three dishes and 5 boys ate only matooke.
- Use the information above to complete the Venn diagram below. 1 a)



b) Find the value of h?

Work out 1230<sub>five</sub> - 24<sub>five</sub> and write b) 22. your answer in words.

Change 0111 in binary base to octal base.

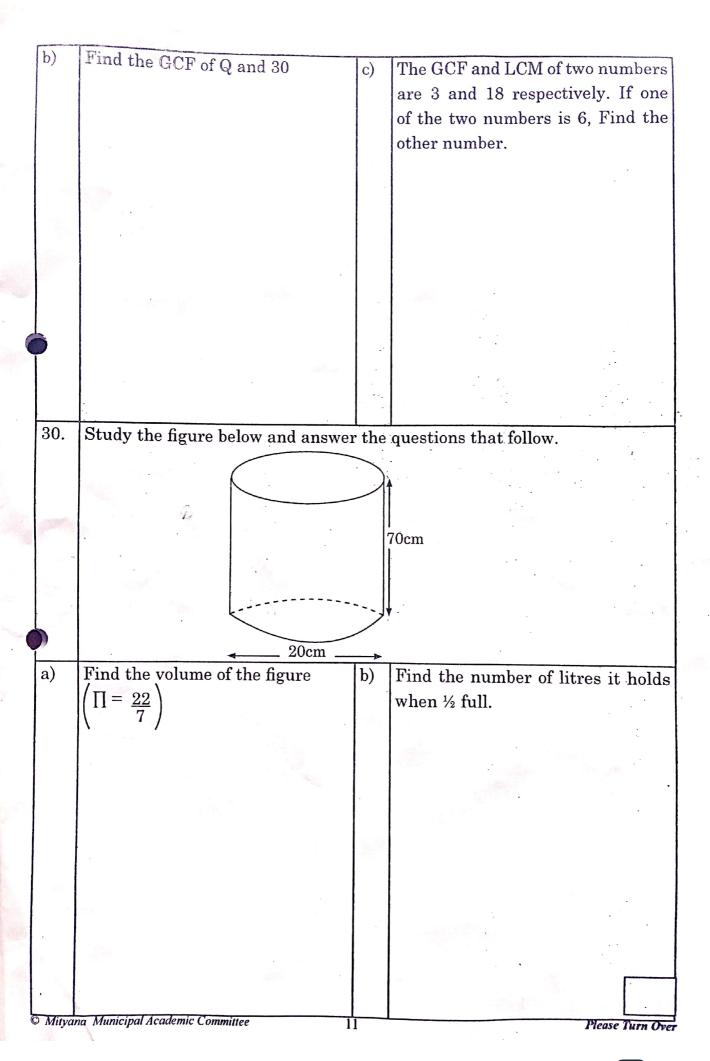
23.	A teacher wards 4 marks for a com-	4		aeauci			
	A teacher wards 4 marks for a correwrong answer.		nswer and o		, a ma	111 10-	
)	If a pupil gots 10	1)	If pupils	+ GO	mark	e in	a test
_	in a test of 20 questions, how many	b)	if pupils §	ger oo	mark	0 111	wrong
	marks does he get?		of questic				WIOIIE
	marks does he get?		answers w	ill he	have go	ot?	
						•	
			1 1 2				:
	- 200 Bg		·				
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				7. 3		** . *	
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							<u>-</u>
			· .				
24.	In a market the cost of a pawpaw is	Sh	s 800 more	than t	he cost	ofa	mango
4.	I in a market the cost of a pawpaw is		6.000 more		110 0000		
	A mango costs two thirds the cos	t of	a pineapple	e. The			
:		t of	a pineapple	e. The			
	A mango costs two thirds the cos	t of	a pineapple	e. The			
	A mango costs two thirds the cos	t of	a pineapple	e. The			
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	A mango costs two thirds the cos	t of	a pineapple	e. The			
	A mango costs two thirds the cos	t of	a pineapple	e. The			

25.	The table below s	hows how a mo	otor cycli	ist tra	velle	d fron	n villag	e K to	village
40.	N thought village	L and M. Stu	dy and	use it	to an	swer	questic	ons be	low.
				. P.					
	Villages	Depai	rture				· ·		
	Village K	Departure:		,			•		
		Arrival:	10:45a	m					
	$  Village\ L $	Departure:	11:00a	n					
	Village M	Arrival:	12:05a	m	,				
	Village M	Departure:	1:05pm	,					
	Village N	Arrival:	2:30pm	ı			F 1 .		
a)	At what time did	the motor cyc	list b)	How	long	did tl	ne moto	r cycli	ist take
	leave village K?			to tr	avel	from	village	K to	village
				N?	:			<i>3.</i>	
								• . •	
						. :			
0 0Z.					· •			. <sup></sup> -	
3 3									
-									<b>华</b> 二、张
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		<u>.</u>							
		·							
c)	Find the total sto	ppage time of	the mot	or eve	clist		N. Committee		
				, o	oriou.				
				•					
		*							
		* * * * * * * * * * * * * * * * * * *	· .						
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			•						
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26.	. In a class, the ratio of pens to be	ooks t	to pencils is 4:6:7 respectively. If the
	total number of books and pencil	s is 3	9.
a)	How many pencils are in the class	s? b)	Find the number of books in the
			class.
27.	Study the diagram below.	. ::	c
			$/x \setminus$
	1.00	$\star$	X
÷		/ i	
	y_/		550
	${A}$		B
۱۵	Find the size of angle marked x	b)	Colouloto the size of annie and all
a)	Find the size of angle marked x		Calculate the size of angle marked y?
		1	
c)	What name is given to triangle AB	C abo	ve?
- 1			

Please Turn Over

28.	Study the table be	elow and use it	to ans	wer que	stions that	follow.
	Marks scored	70	8	0	R	95
	No. of pupils	4		2	3	1
a)	How many pupil	s did the test?	b)	1	ate the value	e of R if the mear
â						
			a material of Papers of			and the ballon A manufacture of the second o
29.	The Venn diagra	m balow show	ve a)	Find th	o numbon n	onwagantad ber
	the prime factors			rina th	e number r	epresented by G
	and Q. Use it to a				i e minimum men e	
	(a) and (b) below.	inswer questio	lis			
	F30	FQ				
A Company of the Comp	$\begin{bmatrix} 5_1 & & & \\ & 3_1 & & \\ & & & \end{bmatrix}$	$3_2$				
and the second second second second	and the same of th			Same 1		



31.	A woman went shopping and boug	ht th	ne following items in preparation of					
	her party.							
	20 mangoes at Shs. 6,000 for every three mangoes.							
	2½ kg of fish at Shs. 20,000 per kg.							
	2kg of meat at Shs. 12,000 per kg							
	500gm of butter at Shs. 20,000 per	kg						
	5 litres of milk at Shs. 10,000	O						
		1.\	If she was given a discount of 10%,					
a)	Find the total amount of her bill.	b)						
			find how much she paid.					
	, ,							
		19.						
		, š						
	,							
32)	Using a ruler, a pencil and pair of co	omp	asses only, construct a triangle PQR					
	in which line PQ = 6cm, angle PQR							
-	, , , , , , , , , , , , , , , , , , ,							
			New York					
;								
197	VA44							
b)	Drop a perpendicular line from	()	Calculate the area of the DOD					
D)	, , ,	C)	Calculate the area of triangle PQR.					
	point R to meet line PQ at n	1200,00						
			1					
	And the second s		act."					
			a)					
) Mitya	- CALL		The state of the s					