MITYANA MUNICIPAL ACADEMIC COMMITTEE



P. L. E. MOCK EXAMINATION 2023

MATHEMATICS

	EMIS No.			Perso	nal No.	Time: Allowed	d 2 Hours 30	Minutes
					- Laboratoria de la Carteria de Laboratoria de Labo			
Candidate	s Name:					Signature	a, 1	

READ THE FOLLOWING INSTRUCTIONS CAREFULLY.

- 1. 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	liv.				
27 - 28						
29 - 30						
31 - 32		jn -				
TOTAL						

SECTION A 40 marks.

1	Subtract 13 from 44.	2.	Shade A ¹ - B
11.	Bubtlact 15	113	
1			A B
1		4.79	
		1,000 9,000 9,000	
3.	Find the next number in the	4.	Write 196 in Roman numerals.
	sequence;		
11114	125, 64, 27,		
		Ţ,	
(4)			
-1			
5.	Simplify: $\frac{5}{6} - \frac{3}{4}$	6.	Calculate the speed a motorist
į į	0 4	a a	covered in a distance of 30km in 45
-			minutes.
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		-420	
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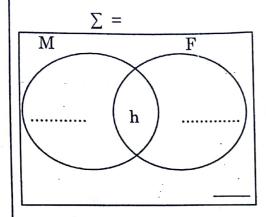
	7.	Simplify: 6k + 4p - 3k - 5p	8.	Calculate the value of angle y i
		The state of the s		degrees.
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			1106	
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	,		2.4	
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		Workout 7+6 using a numberline.	.10	Find the mean of 3 4a 8 and 5
)	9.	Workout 7 + 6 using a numberline.	10.	Find the mean of 5, 14, 5 care
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		The control of the co	rayl Manyor	
	1476	1 1 1 2 2 2 2 2 2	10	Simplify; 90 + 94
	11.	What number has been expanded	1.4.	Simplify, 9 + 9
		to give;		
.		$(2 \times 10^{-2}) + (5 \times 10^{2}) + (7 \times 10^{1}) + (3)$		
		x 10°)	1	
-		A. I	4	
	i		· According	
			4	A STATE OF THE STA
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			*	
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13.	A primary seven teacher gav	re 14.			arc AC of t
	a quarter of a big chapati to hi	1	quadrant	drawn bel	ow.
	pupils during break time. If h	1	A		
	gave out 16 chapatis, how man				
	pupils did he serve?	= = ===			
	>-		١		
			7cm		
		10. 12.		/	
			B 7cr	n (\mathbf{C}
s *			8 2 2 4 . 7		
- 1	: 친구의 기관의 및 10 Let				
		- 200			
5.	Using a pair of compasses, a ruler	16.	Fill the ma	gic square	below.
	and a well sharpened pencil only,				
1	construct a reflex angle of 210°.		v	9	5
1					
			8	4	77
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			gif.		

17.	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?		
		-	
	(경우) - 경우시험 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
	함께 나를하는 술이 나는 이		
	선생동 내 시청화 맞으면 그 것은 것		
	시간 사람들이 얼마나 살아 먹었다.		
19.	What is the difference between	20.	Joan bought 2 dozens of pencils
	the place value of 2 and the value		each at Shs. 4800 and later solo
] [of 4 in digits 94312?		each pencil at Shs.350. Find th
			loss she made from the sale of a
			pencils.
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-1			and the second s
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		2	 -
		Pa	

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_{five} - 24_{five} and write b) 22. your answer in words.

Change 0111 in binary base to octal base.

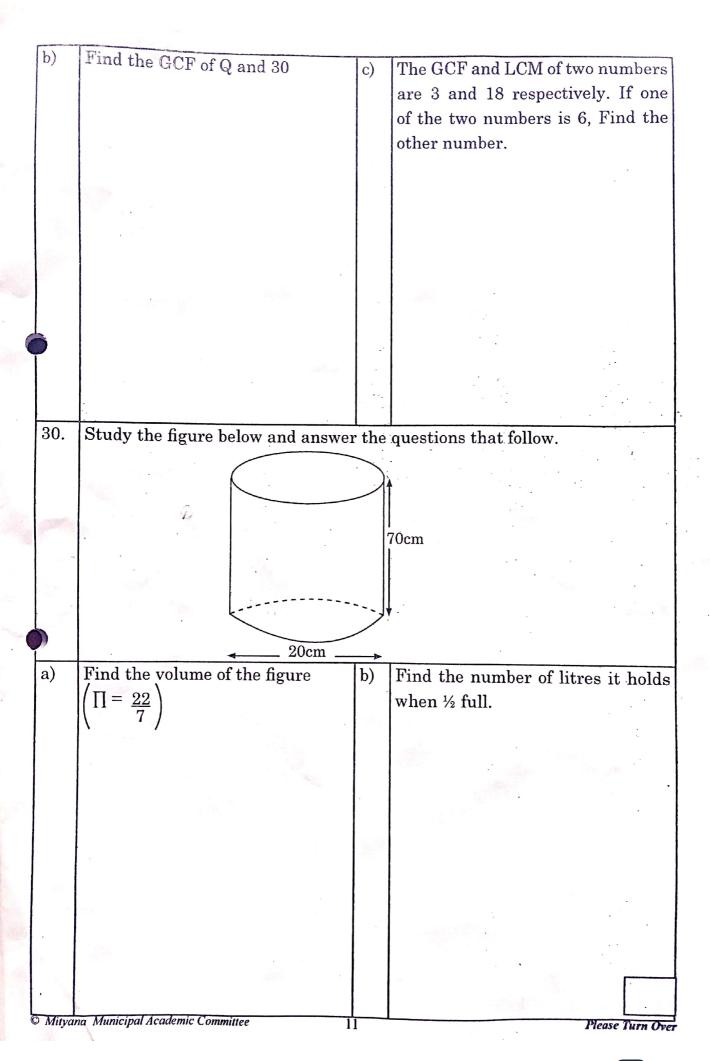
23.	A teacher wards 4 marks for a com-	4		Henrice			- · J
	A teacher wards 4 marks for a correwrong answer.		nswer and o	acamo.	S a mar	11 102	
)	If a pupil gots 10	1)	If pupils	+ 60	marks	in	a test
<i>'</i>	in a test of 20 questions, how many	b)	If pupils	get oo	marks		wrong
	marks does he get?		of oquestic				MIOIIS
	marks does he get?		answers w	rill he	nave go	t?	
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24.	In a market the cost of a pawpaw is	Sh	s 800 more	than t	he cost	ofan	nango
47.	In a market the cost of a paripari is		D.COC IIIOI	V11011			0
	A the same thinds the see				total co	net inf	three
	A mango costs two thirds the cos	t of	a pineapple	e. The	total co	ost of	thre
	A mango costs two thirds the costruits is Shs.4300. Calculate the co	t of	a pineapple	e. The	total co	ost of	thre
: :		t of	a pineapple	e. The	total co	ost of	thre
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25.	The table below s	hows how a mo	otor cycli	ist tra	velle	d fror	n villag	e K to	village
40.	N thought village	L and M. Stu	dy and	use it	to ar	swer	questi	ons be	elow.
				· P					
	Villages	Depai	rture				T		
	Village K	Departure:		,			•		
		Arrival:	10:45a	m					
	Village L	Departure:	11:00ai	m					
	17:11	Arrival:	12:05a	m	-				
	Village M	Departure:	1:05pm						
	Village N	Arrival:	2:30pm	ı					
a)	At what time did	the motor cyc	list b)				•		ist take
	leave village K?			to tr	avel	from	village	K to	village
				N?	:				
8 TV.						, .			
3 /									
							ref 1.55		
-				. Provide					
4.							:		
c)	Find the total sto	nnaga tima of	the met	On our	oliat				
٠,	i ind the total ste	pppage time of	the mot	or cyt	cnst.	•			
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	22 31								

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
			$/x \setminus$
	1910	\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?
		111	
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28.	Study the table be	elow and use it	to ans	wer que	stions that	follow.
	Marks scored	70	8	30	R	95
	No. of pupils	4		2	3	1
a)	How many pupil	s did the test?	b)	1	ate the value as 80.5.	e of R if the mear
. T-						
29.	The Venn diagra	m holow show	ra a)	Find th	0 numban n	
	the prime factors			rina th	e number r	epresented by (
	and Q. Use it to a				i e la historia	en et more entrementaries de la company
	(a) and (b) below.	inswer questio	lis			
	F30	FQ				
A Company of the Comp		$egin{pmatrix} 2_2 \\ 3_2 \\ \hline \end{pmatrix}$				
				Tall I		



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						
		1-1	If she was given a discount of 10%,					
a)	Find the total amount of her bill.	b)						
			find how much she paid.					
	,"							
		19						
		, ¥						
32)	Using a ruler, a pencil and pair of c	omp	asses only, construct a triangle PQR					
	in which line PQ = 6cm, angle PQF							
			New York					
;								
1	VA4							
b)	Drop a perpendicular line from	()	Calculate the area of the large					
U)	7.		Calculate the area of triangle PQR.					
	point R to meet line PQ at n	220,00						
			1					
	A		ast*					
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