THE SIPRO MID-TERM II EXAMINATIONS -2023

PRIMARY SEVEN MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

	Ran	dom No.	Pers	onal No.
Index No.				
Candidate's Name:				
Candidate's Signatu				
School Random No:				
District: ID:				

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- This paper has two sections: A and B.
- 2. Section A has 20 questions (40 Marks).
- Section B has 12 questions (60 Marks).
- 4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
- 5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
- 6. Unnecessary alteration of work will lead to loss of marks.
- 7. Any handwriting that cannot be easily read may lead to loss of marks.
- 8. Do not fill anything in the boxes indicated: "FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

PAGES	MARKS	INITIALS
Page 1		
Page 2		
Page 3		
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Page 9	8	
Total		-

Please turn over



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į.	SECTION: Attempt all questions 1 to 20 cases	ions ii	n this section
1.	Work out: 1 4 x 2	2.	Write XLII in words.
3.	Simplify: 4e-(5 - e)	4.	Express 40cm as a percentage of 2m.
5.	Given that set: E= {a, b, c, d, e, f, h} and G ={e, c, n, r, k, b, q, w, j}: complete the venn diagram below. n(E) n(G)	6.	Which number has been prime factorised to get {2,3, 5}?
7.	The match started at 11:45am and ended at 1:15pm. How long did the match take?	8.	Rebecca is 3.4 metres tall. What is her height in centimetres?



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9.	Find the probability of getting an odd number from set P. Given that set P= {0,1,2,3,4,5,6,8,9}	10.	Simplify: 3 - 4 =(mod6)
11.	Sandra has bank notes numbered from EQ004300 to EQ004399. If each note was worth sh.5000 in value, how much money did she have?	12.	Using a ruler, a pencil and a protractor, draw an angle of 130°.
13.	Work out: 1 0 1 _{two} + 1 1 _{two}	14.	If set W has 32 subsets, how many elements are in set W?

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15.	Find the mean of 4r+2,5,6 and7	16.	Matovu sold a motorcycle at shs.2,800,000 making a loss of shs. 150,000. What was his cost price?
17.	Solve for h: h- 6 =15	18.	Find the value of k in the figure below.
19.	12 women can do a piece of work in 5 days. How many women are needed to do the same job in 6 days?		The area of the shaded part below is 25cm². Find its volume.



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ENDECIMAL HIBRARY AND EXPERIENCE ACTUAL LEARNING WITH THE ACTUATIVE MODES, SEMAN, THE SCHOOL SAME PRESSURES.

	SECTION B: 60 MARKS Attempt all questions in this section.
	Marks for each part of the linestion are indicated in the brackets
21.	both sauces at shown in the venn diagram below. Use it to answer the questions that follow. n(F) = 40
a)	Find the value of W .
ပ်)	Find the number of pupils who eat meat.
c)	(02Merks) Find the total number of pupils in the class.
22	(02Marks)
22.	Noeline was driving a vehicle at a constant speed. She had to cover a distance of 132km in $2\frac{3}{4}$ hours.
a)	Calculate the speed at which she was driving.
Vi.	
	(02Marks)



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b)	Calculate the remaining distance	after driving 2 hours.	
23.a)	Change 1011 _{two} to decimal	If 204 = 112 _{four} Find the	(03Marks) unknown
	base.	base.	
6 9	(02Marks)		(03Marks)
24.	Timothy went to the shop and bough 1kg of rice at sh.5000 each kg. 2 2kg of sugar at sh. 4000 per kg 20 oranges at sh. 3000 every 4 are 1kg of meat at sh. 3500 1kg each. Calculate his expenditure.	anges	
			è
4			(05Marks)



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25.	Kiiza scored the following marks in a weekly test 55,81,69,63,96,63 and
а)	77 What was his modal mark?
LX	(01 Mank)
p)	Find his median mark.
	(01Marks)
c)	What is the probability that Kiiza scored a mark below his average mark?
	(03Marks)
26.	Below is a triangle PQR. Study it carefully and answer the questions that follow.
	P 2h h + 20° Q
a)	Find the value of h.
p)	Work out the size of angle ⊱₽Q. (03Marks)



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IGMTE CRITICAL DUNKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY MORE, SEMIN, TR'S GUIDES AND PEPICS COMPANIONS

27 a)	Given that e = 2 and k = 4. Find t	he value of 3e + 2k.
b)	Jethro is three times as old as Sa How old is Jethro?	(02Marks) Indra. If their total age is 68 years;
28. a)	Work out: 1 \frac{1}{3} - \frac{1}{2}	b) One day, Nisha covered 1 of her 2 journey by taxi, 1 of it using a 3 motorcycle and she walked the remaining 6km. Calculate the total distance she covered.
	(02Marks)	(03Marks)



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IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TH'S CUIDES AND PUPIL'S CONFANIONS

29	Use the rectangular tank	below to answer the questions that follow.
	→0cm	30cm
a)	Work out the area of the part.	shaded b) Calculate the amount of water the tank above can hold if it's full in litres.
		(02Marks) (03Marks)
	TAPES OF A A A A	
30. a)		pencil and a pair of compasses only, construct PQ =7cm angle RPQ = 120° and PR = 5cm.
30. a)		
	a triangle PQR in which	
30. a)		PQ =7cm angle RPQ = 120° and PR = 5cm.



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IGMIT CROSCAL THOMAS, AND EXPERIENCE ACTUAL DEADUNG WITE THE ACTUATY SHOWS, MANOR, THE SERVICE AND PURPLES COMPANIONS.

31. a)	On the number line be the subtractional state	low, draw the ment 3 - 5 =	remaining tw 8.	o arrows to	complete
	<u>< 1</u> . <u>1</u>	111	1 1 1	3 4 5	 >
ь	If today is Tuesday , w	hat day of the	week was it 6	67 days ago	(02marks)
32. a	Express 0.0783 in sta	ndard	b) Work out	: (3.5 x 14) +	(03marks) -(3.5 x 16) erty.



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IGNOTE CHITICAL THINKING AND EXPERIENCE NOTE ALL EXPONES WITH THE ACTIVITY BOOKS SPARS. THE GUILLE AND PUBLIC COMPANIONS.