THE LAMIKS EXAMINATIONS

END OF 1ST (FIRST) TERM 2024

PRIMARY SIX (P.6)

MATHEMATICS

TIME ALLOWED: 2 HOURS 30 MINUTES

DATE: _____

NAME: _____

SCHOOL: _____

DO NOT OPEN THIS BOOK LET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully.

1. The paper is made of section A and B.
2. Section A has 20 short questions (40 marks)
3. Section B has 12 questions (60 marks).
4. Attempt ALL questions. All answers to both Section A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball-point pen or ink. Only diagrams and graphs work may be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.

FOR OFFICIAL USE ONLY.

SECTION	EXRS. MARKS	T/L MARKS	OFFICE
A			
B			
TOTAL			

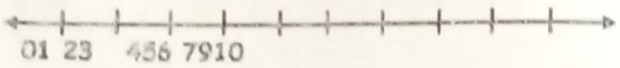
SECTION A: (40 MARKS)

1. **Workout:** $\begin{array}{r} 4\ 3 \\ -\ 2\ 4 \\ \hline \end{array}$

2. Write in figures: Thirty thousand nine hundred forty four.

3. Round off to the nearest hundred **4564.**

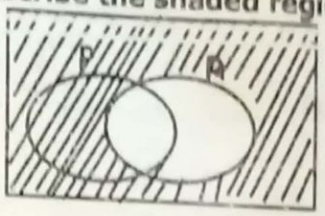
4. Use a number line to add **4+5.**



5. Using a ruler, a pencil and a protractor Only, draw an angle of **120°** in the space below.

6. Without dividing, show which of the numbers **3 4 3** and **9 9 3** is divisible by 3.

7. **Describe the shaded region.**

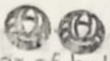


8. Express 0.4 as a fraction in its lowest term.

9. Use >, < or = to complete the statement below.

$\frac{1}{2}$ _____ $\frac{2}{4}$

10. Find the HCF of 18 and 24.

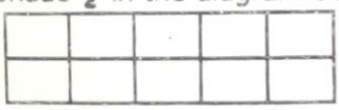
11. If  = 30 balls. Find the number of balls that are represented by 

12. Express **2** $\frac{3}{4}$ hours into minutes.

13. Write the place value of **3** in **2.43**.

14. Express **XLIV** in Hindu Arabic.

15. Shade $\frac{1}{2}$ in the diagram below.



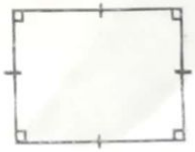
16. Convert **3.82kg** to grammes.

17. Through what angle does one turn if one turns clockwise from East to Northwest?

18. Given that Set **Y = {1, 2, 3, 4}** Find the number of Subsets formed from **Set Y**.

19. List a Set of odd numbers between **2 and 10**.

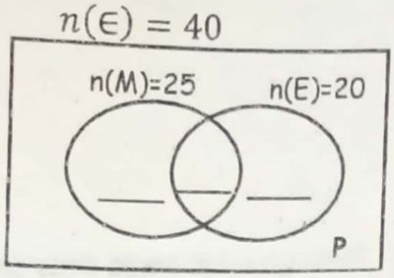
20. How many lines of folding symmetry has the figure below?



SECTION B: (60 MARKS)

21. In a class of **40** pupils, **25** like Maths **(M)**, **20** like English **(E)**, **8** like both English and Maths. If **P** like neither of the two subjects.

a) Represent the above information on the Venn diagram. (3marks)



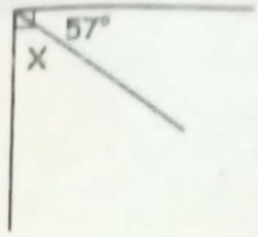
b) Find the value of **P**. (2marks)

22. Kenzo bought the following items from a supermarket:
    - **2 ½ kg of sugar at sh.4000 per kg.**
    - **3 kg of rice at sh.3600 a kg.**
    - **4 kg of salt at sh.3800**
    - **2 loaves of bread at sh.3000 per loaf.**

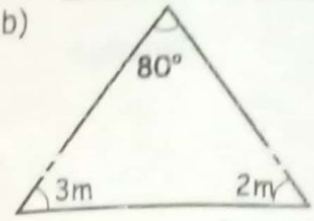
a) How much did he spend altogether? (4marks)

b) If he had **fifty thousand shillings note**, what was his balance? (1mark)

23. **Find the value of the unknown in each of the following:**

a) 

(2marks)

b) 

(3marks)

24. Given the digits 3, 6 and 2;

a) Write the smallest **3** digit number that can be formed. (1mark)

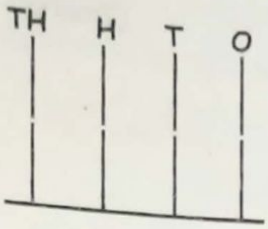
b) Write the biggest **3** digit number that can be formed. (1mark)

c) Subtract the smallest number from the biggest number. (3marks)

25. a) What number has been expanded to give

60000 + 4000 + 80 + 7 (2marks)

b) **Show 2034 on the abacus below.** (1mark)



c) **Workout:** $6 \times 15 \div 3 + 2$ (2marks)

26. a) **Simplify:** $\frac{3}{5} - \frac{3}{4} + \frac{1}{2} =$ (3marks)

b) Expand **7485** using powers of ten. (2marks)

27. a) Solve for **k** if; **2k - 4 = 6** (2marks)

(b) Add: (2marks)

Weeks	Days
2	4
+7	6

c) Change 123_{five} into base ten. (2marks)

28. a) The sum of **3** consecutive odd number is **63**. Find the number. (4marks)

b) Workout the sum of the smallest and greatest number. (1mark)

29. a) Using a ruler, a pencil and a pair of compasses, construct a square **ABCD** of sides **4.5cm**. (4marks)

b) Find diagonal **AC** in cm. (2marks)

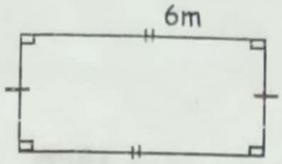
30. Given that **a = 4, b = 3 and c = 7.**
Find;

a) $ab + c$ (2marks)

(b) $\frac{a \times c}{c}$ (2marks)

c) $a^2 + c$ (2marks)

31. a) **The perimeter of a rectangle below is 18metres.**



a) Find the value of y. (3marks)

b) Calculate its area. (2marks)

32. A car dealer recorded the number of cars imported last month as follows;

a) Complete the table below. (5marks)

Cars	Tallies	Number
Benz	///	3
Toyota	(a)_____	1
Nissan	//// //	(b)_____
Mark II	(c)_____	17
Vitz	//	(d)_____
Probox	//// ///	(e)_____

b) How many more Nissan cars were imported that Vitz cars. (1mark)

THE END