THE JEROX SET ONE TERM II EXAMINATION 2023

Primary Seven Mathematics

TIME ALLOWED: 2 HOURS 30 MINUTES

Index No.	Random No.					Personal No.		

NAME:_____

SCHOOL:_____

SIGNATURE:_____ DISTRICT:_____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two section **A** and **B**

2. Section A has 20 questions (**40 marks**) and Section B has 12 questions (**60 marks**)

3. Answer all questions in both sections A and B.

4. All answers must be written in the spaces provided in **BLUE** or **BLACK** ink. Only diagrams should be drawn in pencil.

5. Unnecessary crossing will lead to loss of mark

6. Poor handwriting, which can not be easily rea may lead to loss of marks.

FOR EXAMINER'S USE ONLY

SECTION	SCORES	REMARKS
A		
B		
TOTAL		

Teacher's comment to the pupil
_____
_____
_____

SECTION A (40 Marks)

1 Work out: 32 + 43

2 Express 101 in Roman numerals.

3 Simplify: $^-6 - ^-9$

4 Shade $(M \cup N)^1$ in the diagram below.

5 Solve: $\dfrac{3}{5}k + 3 = 9$

6 Using a ruler, a pencil and a pair of compasses only, construct an angle of 135^0.

7 Work out:
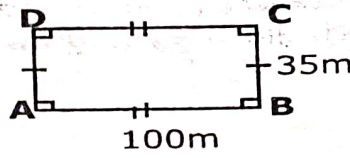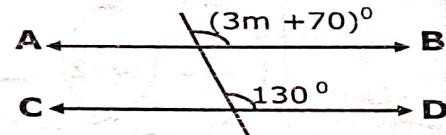
Hrs	Min
3	40
– 1	50

8 The cost of 9 rulers are sh.13,500. What is the cost of a half dozen of rulers?

9 The mean of 11, 9, p and 12 is 10. Find the median of the numbers.

10 Write seventy – eighty thousands, four hundred six in figures.

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1

11	Write 47_{ten} in quinary base.	12	Nantabu moved round a rectangular garden below from point A to point C. calculate the total distance she covered.
35m, 100m
| 13	Express **54km/h** to metres per second.	14	If a bag contains **5½kg** of rice, how many half kg packets can be obtained from the bag?
15	The **LCM** of P and Q is **180** and their **GCF** is **6**. Find the value of Q if P = **30**.	16	In the diagram below, line AB is parallel to line CD. Use it to answer the questions that follow. $(3m +70)^0$, 130^0 Find the value of **m**.
17	Subtract **2x − 1** from **4x + 2.**	18	Find the square root of $1\frac{24}{25}$

| 19 Namugga withdrew fifty thousand shillings notes numbered consecutively from **Ap 004871** to **Ap 004970**. How much did she withdraw? | 20 The price of a kilogram of meat was reduced by **25%** to sh.**10,500**. what was the price before reduction? |

SECTION B (60 marks)

21 In a class, **20** pupils ate chapatti **(C)**, **(2w +7)** ate yellow bananas **(B)** Only, **(w - 2)** pupils ate both yellow bananas and chapattis, **(4w - 3)** ate chapattis but not yellow bananas while **2** did not eat any of the two items.

a) Use the above information to complete the venn diagram below.
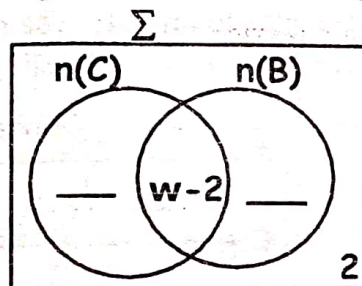
(02 marks)

b) Find the value of **w**.	c) How many people were in the class altogether?
(02 marks)	(02 marks)

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3

22 Imran was given cards numbered **7**, **0**, **4** by his teacher to form three digit numbers. Use the cards to answer the questions that follow.

a) Form the largest three digit number from the above cards.

b) Form the smallest three digit number from the above cards.	c) Find the sum of the largest and smallest three digit numbers formed. *(01 mark)*
(01 mark)	*(02 marks)*

23 Nanyonga spent $\frac{1}{4}$ of her salary on rent, $\frac{1}{3}$ on food, $\frac{1}{6}$ on electricity and saved the rest.
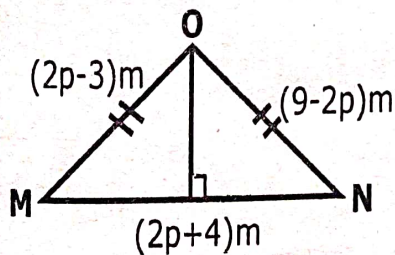
a) What fraction did she save?	b) If she spent sh. 210,000 on rent and food, find her salary.
(02 marks)	*(03 marks)*

24 The diagram below shows a triangular garden **MNO**. study it carefully and answer the given questions.

a) Find the value of **P**.

O, (2p-3)m, (9-2p)m, M, N, (2p+4)m

(02 marks)

b)	If Mulungi moved thrice round the garden, what distance did she cover?

(03 marks)

25. Delight went to the market and bought the items as shown in the table below. use the information to complete the table.

Item	Quantity	Unit cost	amount
Meat	$2\frac{1}{2}$kg	Sh. 14000	Sh. _____
Matooke	_____ bunches	Sh. 12000	Sh. 36000
Cooking oil	500ml	_____ litres	Sh. 8000
Rice	0.5kg	Sh.5000	Sh. _____
Total expenditure			Sh. _____

(05 marks)

26. Using a ruler, a pencil and a pair of compasses only, construct a quadrilateral **KMBL** such that **KM = BL = 7cm** and **MB = KL = 4cm**

(04 marks)

b)	Measure angle **MKB**.

(01 mark)

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27 a)	Workout $123_{four} + 320_{four}$. (02 marks)	b)	Given that $m^2 + m^2 = 112_{five}$. Find the value of **m**. (03 marks)

28 a)	Given that n = 3 , y = 4 and K = -2 Evaluate $\dfrac{2n + k}{k}$ (02 marks)	b)	Mark is **4** times as old as his son. If the difference between their ages is **36** years, how old is the son? (03 marks)

29 At St. Kizito Primary School, two bells are used for changing lessons, one for lower and the other for middle primary at the internal of **30** minutes and **40** minutes respectively.

a)	After how many minutes will they ring together at the same time? (02 marks)	b)	If they last rang together at 8:30am, at what time will they ring together again? (03 marks)

30 The Greatest Common Factor of the Prime Factors of Y and X is 30. Use the venn diagram below to answer the questions that follow.

P_y P_x

a) Find the value of **P**.

3_2 2_1 2_2 **p** 3_1 2_3

(02 marks)

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6

b)	Find the value of **y**.	c)	Workout the **L.C.M** of **Y** and **X**.
	(02 marks)		(02 marks)

31 Lawula drove her car at a speed of **60km/h** for **2** hours from Gayaza to Kangulumira. She then took **90** minutes to drive from Kangulunira to Mbale which is **160**km away from Kangulumira. Calculate her average speed for the whole journey.

(04 marks)

32 The pie-chart below shows how Mrs. Jiveh spends her monthly salary of sh.**180,000**. Use it to answer the questions that follow.

a) Find the value of **Y**.

(02 marks)

b)	How much money does she spend on rent?	c)	Express the sector of saving as degrees.
	(02 marks)		(01mark)

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7