



# THE PRIME EXAMINATIONS 2024

## P.5 END OF TERM I

### MATHEMATICS

Time allocated 2 hours 30 minutes



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#### READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has two sections: A and B. Section A has 20 questions (40 Marks) and Section B has 12 questions. (60 Marks)
2. Answer ALL questions. All the working for both sections A and B must be shown in the spaces provided.
3. All working must be done using a blue or black ball point pen or ink. Any work done in pencil other than on graphs and diagrams will not be marked.
4. No calculators are allowed in the examination room.
5. Unnecessary changes in your work and handwriting that cannot be read easily may lead to loss of marks.
6. Do not fill anything in the table indicated

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QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

APPROVED



Consultant

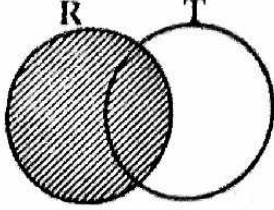


Mathematics Department (PEC)


Organised by: PRIME EDUCATIONAL CONSULT @2024 Kampala

Turn Over



# Section A (40 Marks)

1	Multiply: $\begin{array}{r} 13 \\ \times 2 \\ \hline \end{array}$	2	Change 50 to roman numerals.
3.	Subtract: $430_{\text{five}} - 21_{\text{five}}$	4	Describe the un-shaded region in the Venn diagram below. 
5	Find the LCM of 18 and 9.	6	Change 42 days to weeks.
7	Work out: $\frac{1}{2} - 7 + 8$	8	Round off 385 to the nearest tens.
9	Kipsiro ran a distance of 5600 meters in ten minutes. Write the distance he covered in km.	10	Use a symbol to describe the set below. Set T contains cows with legs each.
11	Given that  represents 8 chairs, how many chairs are represented by  ?		

12	Odongo ate $\frac{5}{12}$ of the cake, what fraction of the cake remained?	13	Prime factorize 24 and write factors in subscript form.
14	Find the next numbers in the sequence. 3, 7, 11, 15, 19, _____, _____	15	Given that set A = {even numbers less than 10}, find the number of elements in set A.
16	Tell the morning time shown on a clock face below. 		
17	The District Education Officer distributed 2084 text books to four schools. How many text books did each school get?		
18	Write the number expanded to give $(7 \times 1000) + (5 \times 100) + (4 \times 1)$ .	19	Find the square of 6.
20	4 pens cost sh 4,000. Find the cost of 3 similar pens.		



### Section B (60 Marks)

21 (a) Convert 3hrs to minutes.

(02 marks)

(b) Work out:

Hrs	mins
7	30
+4	50
<hr/>	

(02 marks)

(c) Work out:

Hrs	mins
8	50
-4	30
<hr/>	

(02 marks)

22 Fill missing number.

(a)  $\square \div 4 = 28$

(02 marks)

(b)  $3 \times \square = 33$

(02 marks)

(c)  $\square \times 5 = 60$

(02 marks)

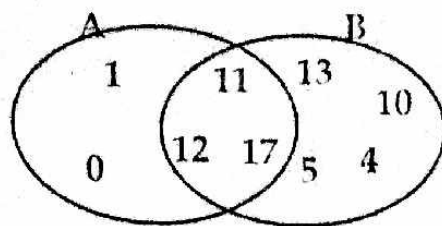
23 (a) Write 1304 in words.

(01 mark)

(b) Given the numeral 36952, find the sum of the value of 5 in the numeral above.

(02 marks)

24 Study the Venn diagram below and answer questions that follow.



(a) List down all the elements of set A.

(61 mark)

(b) List down all the elements of set B.

(91 mark)

(c) Find  $n(A \cup B)$

(02 marks)

(d) Find  $n(B - A)$

(02 marks)

25 (a) Work out:  $\frac{11}{17} - \frac{15}{17}$

(02 marks)

(b) Work out:  $\frac{5}{6}$  of 36 sweets.

(02 marks)

26 Below is the shopping list.

a kg of sugar at sh 4500  
a kg of rice at sh 3500  
a litre of milk at sh 2000

(a) Find the total cost of 3 kg of sugar.

(02 marks)

(b) Find the total cost of 2 kg of rice and  $1\frac{1}{2}$  litre of milk.

(03 marks)

27 Given the digit 7, 1, 6

(a) Write the largest numeral formed using the above digits.

(01 mark)

(b) Write the smallest numeral formed using the above digits.

(01 mark)

(c) Find the sum of the largest and the smallest numerals formed.

(02 marks)



28

In a class of 48 pupils,  $\frac{3}{8}$  are boys and the rest are girls.

(a) Find the fraction of girls.

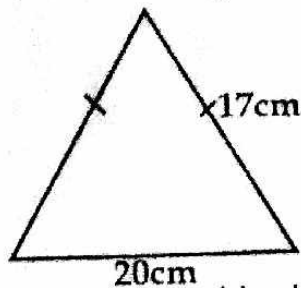
(02 marks)

(b) How many more girls than the boys are in the class?

(03 marks)

29

Below is a triangle.



(a) Find the total distance around the figure.

(02 marks)

(b) How many sides has the figure?

(02 marks)

30

Okello is 18 years and Akello is 25 years.

(a) Find the total age of the two people.

(02 marks)

(b) How old will Akello be when Okello is 21 years?

(03 marks)

31	<p>(a) Work out: <math>47296 + 35183</math> (02 mark)</p> <p>(b) Subtract 982 from 1000. (02 mark)</p> <p>(c) Share 63pens equally among 9 boys. (02 mark)</p>
32	<p>(a) Convert <math>132_{\text{five}}</math> to base ten. (02 mark)</p> <p>(b) Work out: <math>432_{\text{five}} + 343_{\text{five}}</math> (02 mark)</p> <p>(c) Workout the value of 3 five five. (02 mark)</p>