THE PRIME EXAMINATIONS 2023

PRIMARY FIVE MID TERM II

MATHEMATICS

Time allocated 2 hours 30 minutes

Name:...

Signature:..

School:...

District Name:..

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.**

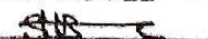6. Do not fill anything in the table indicated "FOR   EXAMINERS' USE ONLY"

FOR EXAMINERS' USE ONLY		
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		
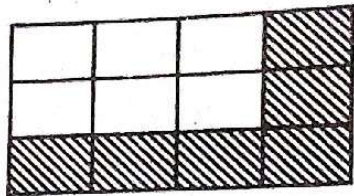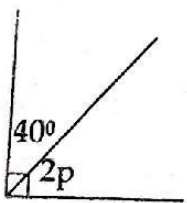
APPROVED

Consultant
Mathematics Department (PEC)

PUBLISHERS OF:-

Turn Over

Section A. (40 Marks)

|			
1	Add: 102 + 34	2	What number has been expanded below 4000 + 500 + 6?
3	What set symbol is drawn below? $\emptyset$ _____	4	What fraction is shaded below?
5	Write 875 in words.	6	Find the next two numbers in the sequence below; 25, 30, 35, 40, _____, _____
7	Workout; $\frac{1}{3} + \frac{1}{2}$	8	Atim had 18.5 litres of oil, if 5.8 litres were used. How much oil remained?
	Find the value of p in the diagram below. 40° 2p	10	Express $13\frac{1}{2}$ as an improper fraction.

11	Round off 475 to the nearest tens.	12	Convert 5 years to months.

13	From the Venn diagram, find n(P − Q)
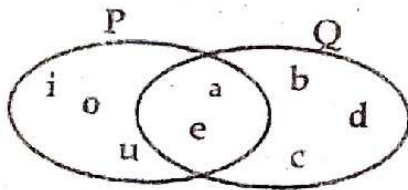
14	List down the first five prime numbers.

15	Name the shape below.
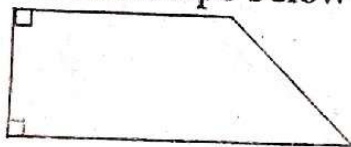
16	Arrange in ascending order; $\frac{3}{12}$, $\frac{1}{12}$, $\frac{5}{12}$, $\frac{6}{12}$

17	Write 12.34 in words.

18	Convert 2m to centimetres.

19	Tell the evening time shown on the clock face below.
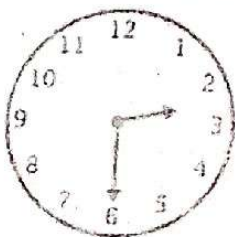
20	Find the GCF of 18 and 24.

Section B. (60 Marks)

21	(a) Workout $123_{five} + 101_{five}$.	(02 marks)
	(b) Change 421_{five} to a decimal base.	(03 marks)

22	Study the diagram below and use it to answer the questions that follow.	
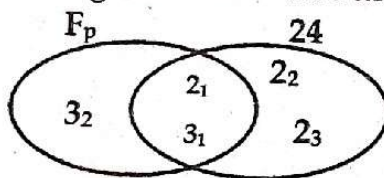
$$F_p \qquad 24$$

(a) Find the value of p.   (02 marks)

(b) Workout $F_p \cap 24$.   (02 marks)

(c) Find the least common multiple of p and 24.   (02 marks)

23 (a) Using a pencil, a pair of compasses and a ruler, construct an equilateral triangle of side 4cm.
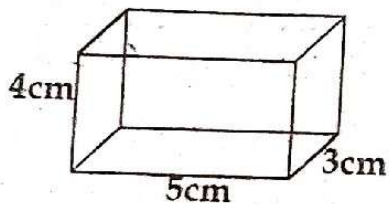
(04 marks)

(b) Find the perimeter of the constructed figure above.

(02 marks)

24 Use the diagram below to answer the questions that follow.

4cm

3cm

5cm

(a) Find the number of;

(i) vertices

(01 mark each)

(ii) faces

(iii) edges

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PTO

	(b) Calculate the volume of the figure above. *(02 marks)*
25	(a) Express 346 in expanded form using powers of ten. *(02 marks)*
	(b) Work out; 7 6 *(02 marks)* - 6 5
26	(a) Convert 84 days to fortnights. *(02 marks)*
	(b) Work out. *(02 marks)*

(b) Work out.

Weeks	Days
2	6
+ 3	3

27 (a) Moses had a cake and ate $\frac{1}{4}$ in the morning then $\frac{1}{3}$ in the evening. What fraction of the cake did Moses eat?

(02 marks)

(b) Workout; $\frac{5}{9}$ - $\frac{1}{2}$ + $\frac{1}{3}$

(03 marks)

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28 (a) An athlete started training at 8:30 am and finished the training at 10:30 am. How long was the training? *(02 marks)*

(b) How many minutes are in 3 hours? *(02 marks)*

29 Fill in the missing number in the box. *(01 mark each)*

$$
\begin{array}{r}
2\;\;3\;.\;3\;\;\Box \\
+\;\Box\;\;9\;.\;\Box\;\;4 \\
\hline
4\;\;\Box\;.\;2\;\;1
\end{array}
$$

30 Draw nets for the geometrical shapes below. *(02 marks each)*

cyclinder	cuboid	cube

31 **Below is a shopping list.**

A kg of rice at sh 4200

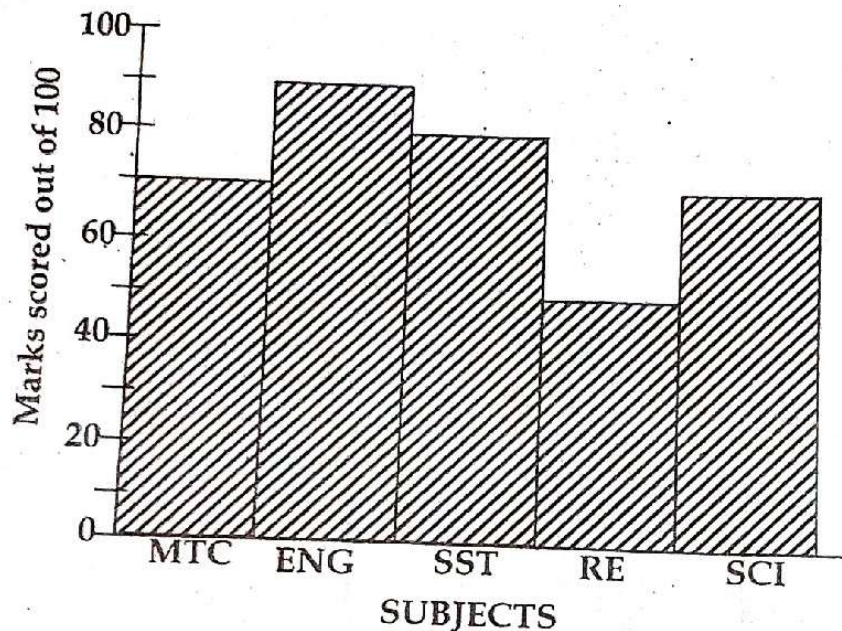*3 bars of soap at sh 18000*

A litre of cooking oil at sh 6000

(a) Find the total cost of 3kgs of rice. *(02 marks)*

(b) Sarah had sh 30000 and bought 2 bars of soap and 2 litres of cooking oil. What was her balance? (04 marks)

32. The graph below shows the marks scored by Mujuni in five different subjects.

(a) How many marks did Mujuni score in Mathematics? (01 mark)

(b) In which subject did he score the highest marks? (01 mark)

(c) Calculate the total marks scored by Mujuni in all subjects. (02 marks)

(d) What was the least score for Mujuni? (01 mark)