



THE PRIME EXAMINATIONS 2023

PRIMARY SIX MID TERM II

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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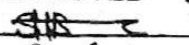
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THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
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QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31 - 32		
TOTAL		

APPROVED



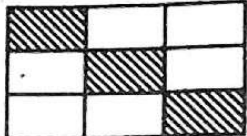
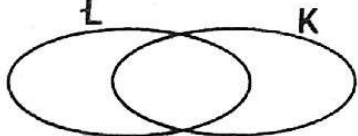






Consultant

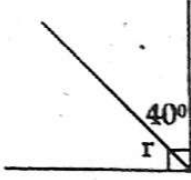
Mathematics Department (PEC)

Organised by: PRIME EDUCATIONAL CONSULT @2023 Kampala

Turn Over

Section A. (40 Marks)

1	Workout; 32×3	2	Write 14,001 in words.
3	Simplify: $4p + 6m + 3p + 2m$	4	What percentage of the diagram below is shaded? 
5	Mugisha harvested 164 bags of maize. Express the number of harvested bags of maize in Roman numerals.	6	Simplify: $-6 + -3$
7	Shade set L in the Venn diagram below. 	8	Convert 240 minutes to hours.
9	If  stands for 5 cups, how many cups are represented by;     ?	10	Show and write the number of lines of folding symmetry in the figure below. 

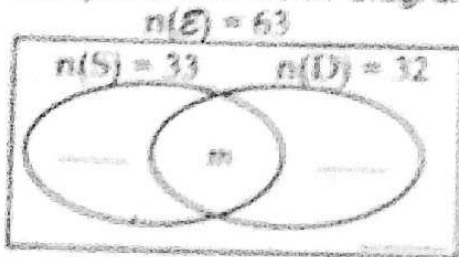
11	Find the value of 4 tens.	12	How many $\frac{3}{4}$ litre cups can be got from 36 litres of cooking oil?
13	Express 5km as metres.	14	Mwesigwa covered a certain distance in 3 hours at a speed of 90km/hr. Find the distance he covered.
15	Subtract: $\frac{4}{5} - \frac{1}{5}$	16	Find the next two numbers in the sequence below: 28, 26, 24, 22, _____, _____
17	Given that set Q = {whole numbers less than 10}. List down all the elements of set Q.	18	Find the value of r in degrees. 
19	Workout $(140 \div 14) + (50 \div 5)$	20	Simplify; $1\frac{2}{3} \times \frac{2}{5}$

Section B. (60 Marks)

- 21 In a group of 63 people, 33 like telling stories (S), 32 people like dancing (D) and "m" people like both telling stories and dancing while 3 people like neither of the two.

(a) Complete the Venn diagram below.

(03 marks)



(b) How many people like both telling stories and dancing?

(03 marks)

- 22 Given the numeral 96745;

(a) Write the above numeral in expanded form using exponents.

(02 marks)

(b) Find the difference between the place value of 6 and the value of 7 in the numeral above.

(03 marks)

- 23 (a) Workout:
- $$\begin{array}{r} 224_{\text{five}} \\ + 103_{\text{five}} \\ \hline \end{array}$$

(02 marks)

(b) Subtract:
$$\begin{array}{r} 310_{\text{five}} \\ - 121_{\text{five}} \\ \hline \end{array}$$

(02 marks)

24 (a) Simplify: $\frac{3}{5} + \frac{2}{3}$

(02 marks)

(b) Workout: $2\frac{1}{2} - \frac{3}{4}$

(02 marks)

25 Kemigisha went to the market and bought the following.

2kg of sugar for sh.3500 perkg

500g of salt for sh 2000 a kg

3 loaves of bread for sh. 16500

3kg of meat for sh 12,000 each kg

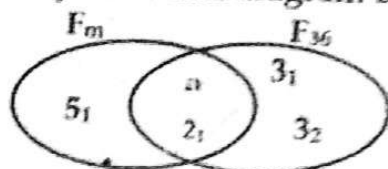
(a) Calculate her total expenditure.

(04 marks)

(b) If she was given a change of sh 500, how much money did she have at first?

(02 marks)

- 26 Study the Venn diagram below and use it to answer the following.



(a) Find the value of;

(i) n

(02 marks)

(ii) m

(02 marks)

(b) Calculate the LCM of F_m and F_{36} .

(02 marks)

- 27 (a) Change $\frac{1}{4}$ into a decimal fraction.

(02 marks)

(b) Arrange 0.01, 0.5, 0.03, 0.11 and 0.04 in descending order.

(03 marks)

- 28 Musa harvested the apples on different days as follows.

Mon	Tue	Wed	Thur	Fri
15	20	16	15	14

Find;

(a) mode

(02 marks)

(b) median

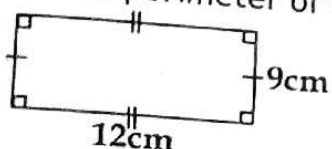
(02 marks)

(c) mean

(02 marks)

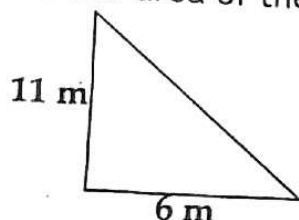
29 (a) Find the perimeter of the figure below.

(02 marks)



(b) Find the area of the figure below.

(02 marks)



30 (a) Increase sh 6000 in the ratio of 2:3.

(02 marks)

(b) 4 men can do a piece of work in 16 days, how many men can do the same piece of work in 24 days.

(02 marks)

31 (a) Find the least number of eggs that can be shared by 14 or 16 pupils leaving 5 as a remainder (03 marks)

(b) Find the highest number of children that can share 30 or 42 mangoes leaving no remainder. (02 marks)

32 Find the missing numbers in the box below.

(a) $14 - \square = 6$ (02 marks)

(b) $\square \div 16 = 5$ (02 marks)

(c) $3 \times \square = 24$ (01 mark)