

KALANGALA DISTRICT EXAMINATIONS BOARD PLE MOCK EXAMINATIONS 2023

**PRIMARY SEVEN
MATHEMATICS**

Time Allowed: 2 hours 30 minutes

Random No.	Personal No.							

Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

District ID No.

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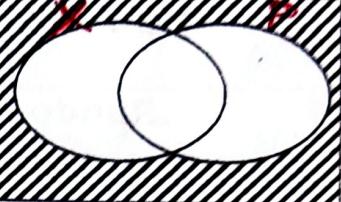
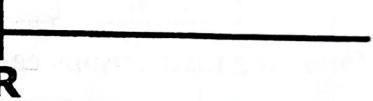
Read the following instructions carefully:

1. This paper has **two sections A and B**.
2. Answer **all questions**. All answers to both Sections A and B must be written in the spaces provided.
3. All answers must be done using a blue pen or black ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any hand writing that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the boxes indicated: "For Examiners' Use Only" and those inside the question paper.

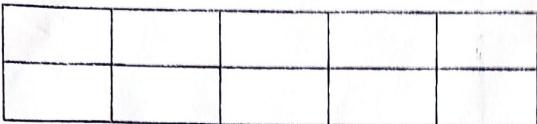
FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' No.
1–5		
6–10		
11–15		
16–20		
21–22		
23–24		
25–26		
27–28		
29–30		
31–32		
Total		

SECTION A (40MARKS)

Answer all questions in this section. Questions 1-20 carry two marks each

1.	Work out: $70 + 105$	2.	Write CXIX in words.
3.	Work out: $72.72 \div 6$	4.	Describe the unshaded part. 
5.	Find the average of the next two numbers in the sequence: 1, 8, 27, _____, _____	6.	Without extending the line, construct an angle of 90° at point R. 
7.	Using distributive property work out: 28×101	8.	What is the place value of 2 in 123_{five} ?
9.	Solve: $2(3x - 2) = 14$	10.	In a bundle of five thousand shillings notes are numbered MJ00040 to MJ00090. How much money is in the bundle? 

- 17.** Shade 40% of the figure below.



- 18.** A bus travels first 240 km at a speed of 80 km/hr. It covers next 360km at a speed of 72 km/hr. What is its average speed?

- 19.** Given that $m = 6$, find the value of $(6m - 4m)^2$.

- 20.** A glass hold 225 millilitres of water. Amanda drinks 1.8 litres of water during a day. How many glasses of water does she drink during the day?

SECTION B (60MARKS)

Answer all questions in this section

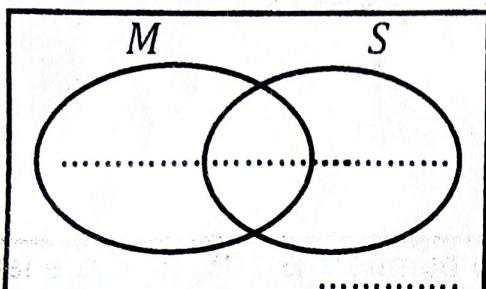
Marks for each part of the question are indicated in brackets

21.

There are 80 students in P.6. 9 students like SST and Math. 35 students like SST only and 2 students do not like SST or Science.

(a) Use the given information to complete the Venn diagram below (03marks)

$$\mathcal{E} = 80$$



(b) Workout how many students like Math only

(02marks)

22.

The bursar of a certain school in a district deposited sh.100,000 in a bank which offers an interest of 10% per annum. The money was in the bank for 18 months. How much money was on the school's account at the end of 18 months?

(05marks)

23.

Work out:
$$\frac{3.6 + 1.2}{2.4 - 1.2}$$

(04marks)

24.

A boy drives and covers 350km in 5 hours.

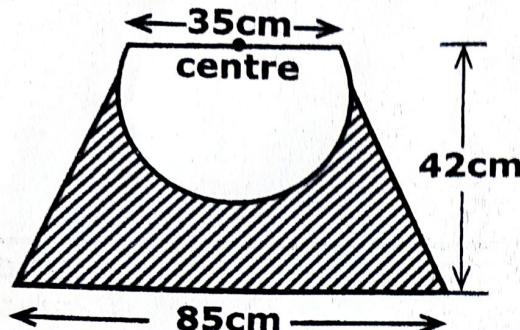
(a) What distance does he cover in 6 hours and 12min? (03marks)

27.

Find the area of shaded part of the geometric figure below.

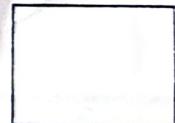
$$\text{(use } \pi = \frac{22}{7} \text{)}$$

(05marks)



28.

At the school canteen, the cost of a math book is 5 times the cost of a science book. If a man buys 5 science books and 3 math books and pays sh.30,000, find the cost of a science and math book. (05marks)

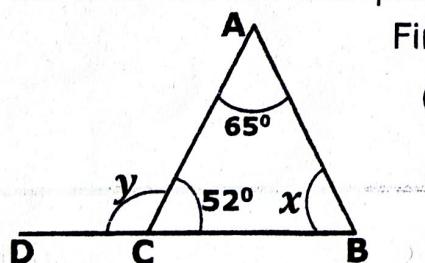


29.

In the figure below, angle $BAC=65^\circ$, angle $ACB=52^\circ$. Study the figure and use it to answer the questions that follow.

Find the size of angle. (03marks)

(a) x

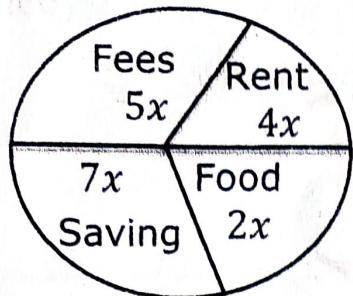


(b) y

(02marks)

30.

The pie chart below shows how Mudebo spends his monthly income.



(a) Find the value of x in degrees

(02marks)

(b) If he spends sh.240,000 on rent, calculate his monthly income.

(02marks)

31.

Find the sum of two numbers whose ratio is 7:19 and their difference is 12.

(05marks)

1 Peter and
Question
asked

32.

(a) Solve: $3(t - 3) = 5(2t + 1)$.

(03marks)

$$(b) \text{Workout: } \frac{x-5}{3} = \frac{x-8}{5}$$

(03marks)

END