

SECTION A (40 MARKS)

1. Add: H T O

$$\begin{array}{r} 63 \\ + 45 \\ \hline \end{array}$$

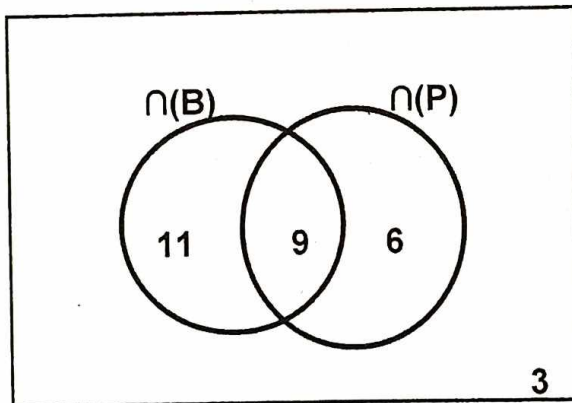
(2 mks)

2. Write 149 in Roman numerals.

(2 mks)

3. In the Venn diagram below. Find  $n(B \cap P)$

(2 mks)

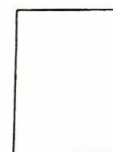
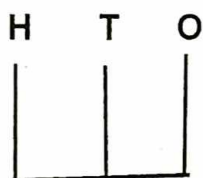


4. Simplify  $^{-}3 - ^{-}8$

(2 mks)

5. Show  $(4 \times 10^2) + (2 \times 10^1) + (3 \times 10^0)$  on the abacus below.

(2 mks)



6. Use distributive property to work out.

$$\frac{3 \times 1000}{7} - \frac{265 \times 3}{7}$$

7. Work out  $9^4 \div 9^2$

(2 mks)

Turn over

8. The Uganda National population and Housing census programme started today on Tuesday 30<sup>th</sup> April, 2024 and lasted for 20 days.  
On which day did the programme end ?

**(2 mks)**

9. Find the next number in the sequence.

29, 27, 24, 19, 12, \_\_\_\_\_

**(2 mks)**

10. After covering  $\frac{1}{4}$  of his journey. Kennedy still had 45 km to cover.

How long was his journey?

**(2 mks)**



11. Solve for P  $2P^3 = 54$

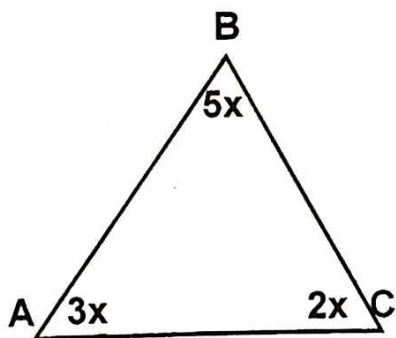
(2 mks)

12. Work out the circumference of a circular plate of radius 50mm.  
(Take  $\pi$  as 3.14)

(2 mks)

13. Find the size of angle **ABC** in degrees.

(2 mks)



Turn over

14. A car covered 144 km in 4 hours. Find its average speed in metres per second. **(2 mks)**

15. Given that  $a = 3$ ,  $b = 10$  and  $c = -2$ . Find the value of  $ab^c$ . **(2 mks)**

16. Work out:  $1 \div 5 = \underline{\hspace{1cm}}$  (finite 6) **(2 mks)**

17. A football team M can win, draw or lose a match.  
Find the probability that team M will either win or draw  
a match.

**(2 mks)**

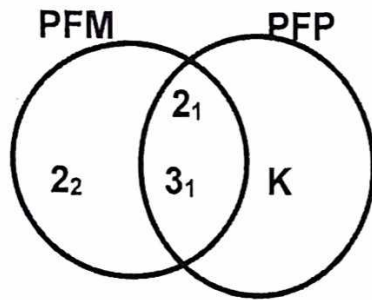
18. The marked price of an article is sh.40000, a customer paid  
sh.37000 after being given a discount. Calculate the discount  
percentage allowed?

**(2 mks)**

19. Using a pair of compasses, a ruler and a pencil only construct  
an angle at  $30^\circ$ .

**Turn over**

20. The figure below shows the prime factors of  $m$  and  $p$ .



Given that the LCM of  $P$  and  $M$  is 60. Find the value of  $K$ . (2 mks)



**SECTION B (60 MARKS)**

21.a) What is the place value of 4 in the numeral  $431_{\text{five}}$ . (01 mk)

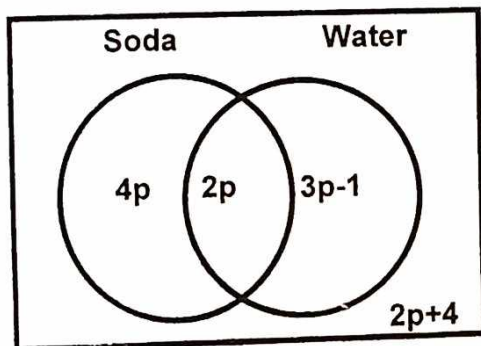
b) Work out:  $110 \text{ two}$   
 $\times \underline{11 \text{ two}}$

(2 mks)

c) Write 8064 in standard form.

(2 mks)

22. The Venn diagram below shows guests who attended a party.  
Use it carefully to answer questions that follow.



a) Given that 34 guests never took water. Find the value of P. (2 mks)

Turn over



b) How many guests took only one type of a drink?

(2 mks)



23.a) A cow produces 3500 ml of milk daily. How many litres of milk does the cow produce in a fortnight ?

(2 mks)

b) A car needs 4 litres of petrol to cover 80 km. How many more litres of petrol does the car need to cover 120 km?

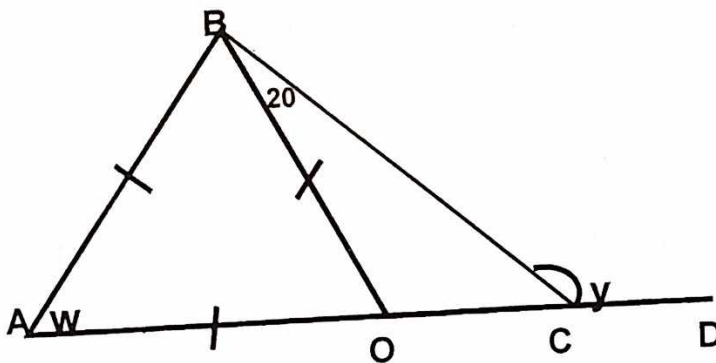
(2 mks)

24. A village had 90,000 people,  $\frac{2}{5}$  are males and the rest are females.  
 After 10 years, the national population census shows that the number of males increased by  $\frac{1}{2}$  and the number of females increased by  $\frac{2}{5}$  of what was there by then.

Find the total number of people in the village by now.

(5 mks)

25. In the figure below, **ABO** is an equilateral triangle. Use it to answer questions that follow.



a) Find the size of angle;

(2 mks)

i) W

Turn over

ii) Y

b)  $2k$  is a complement of  $60^\circ$ . Find the value of  $k$ .

(2 mks)

26. Judith bought the following items from a super market.

- 3kg of sugar at sh 4000 per kg.
- A score of guavas at sh 1000 for every 5 guavas
- 2kg of rice at sh 2500 per  $\frac{1}{2}$  kg.

If she was given a discount of 10%, how much did she pay for all items?

(5 mks)



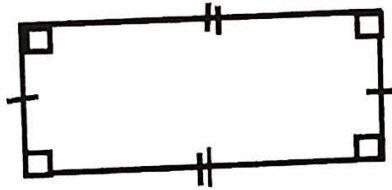
27. a) Using a pencil, a ruler and a pair of compasses only. Construct a Square KLMN in a circle of radius 3cm.

(4 mks)

b) Measure LN and find the area of the square KLMN.

(2 mks)

28. The perimeter of a rectangle below is 84 dm.



a) Given that the ratio of its length to its width is 5:2. Find its actual length.

(3 mks)

b) Work out the area of the rectangle above.

(2 mks)



29.a) Simplify  $0.37 - 0.12 + 3.5$

(2 mks)

b) Work out  $\frac{0.45 \times 0.12}{0.09 \times 1.5}$

(3 mks)

30. The table below shows marks obtained by P.6 candidates in a Mathematics test.

Marks	90	70	80	60
Number of pupils	3	4	1	2

a) How many pupils did the test?

*(01 mk)*

b) How many pupils scored above the average mark ?

*(3 mks)*



**Turn over**

31. A bus started travelling at 11:45 am and reached its destination in the afternoon time shown on the clock face below.



a) How long did the bus take to cover the distance ?

**(3 mks)**

b) If the bus was travelling at a speed of 180km/h, find the distance covered.

**(2 mks)**

32.a) The sum of length of all edges of a cube is 480cm. Find the length of each side of a cube. **( 2 mks)**

b) In a test of 30 questions, a teacher awarded 5 marks for every correct answer and deducted 2 marks for every wrong answer. If a pupil got 80 marks, how many correct answers did the pupil get? **(3 mks)**

**END**

