UGANDA MARTYRS & BISHOP DDUNGU PRIMARY SCHOOLS

JOINT EXAMINATION 2023

MATHEMATICS

Time Allowed: 2 Hours 30 Minutes

INDEX NO: | | | | | | | | | | |

Candidate's Name: ----------

Candidate's Signature: ----------

District Name: ----------

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper is made of two sections **A** and **B**
2. Section **A**, has 20 questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Attempt **ALL** questions. All answers to both Sections **A** and **B** **MUST** be written in the spaces provided.
5. All answers must be written in blue or black ball points or ink. Only diagrams and graph Work must be done in pencil.
6. Unnecessary alteration of work will lead to Loss of marks.
7. Any handwriting that cannot be easily read May lead to loss of marks.
8. Do not fill anything in the boxes indicated for Examiner's use only.

FOR EXAMINER'S USE ONLY		
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UGANDA MARTYRS' NURS. & P/S-KATWE
P.O.BOX 1662, MASAKA
30 SEP 2023
SIGN:.....
DEAN OF STUDIES

Turn over

JOINT PAPER MATHEMATICS P.7

SECTION A (40 MARKS)

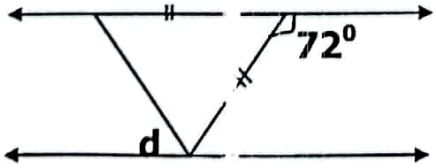
1. Work out: $42 \div 6$

2. Write "Twelve thousand four hundred forty" in figures.

3. Given that n=2 and m=$^{-}$1 find the value of n^3-2m.

4. Given that.
   Set P = {2, 3, 5, 7, 11}
   Q = {1, 3, 5, 7, 9, 11}
   Find n(Q-P)

5. Find the value of d in the diagram below.



6. Find the next number in the sequence.

2, 4, 7, 12, 19, _____

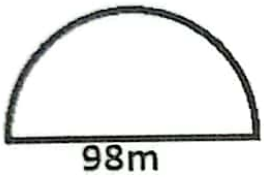
7. Find the mean of 3p, 2p + 3 and p–3.

8. A school girl had a cup ¾ full of juice, she drank $\frac{2}{9}$ of the juice in the cup. Find the fraction of the cup remained with juice.

9. A staff meeting started at 9:15am and took 165 minutes, find the time at which the meeting ended.

10. The cost of three us dollars is Ug. Sh 10,950. Find the number of US dollars will Lukwago buy with Ug. Sh. 255,500.

11. Find the perimeter of the figure below
(use $\pi = \frac{22}{7}$)



12. Work out. $^{-}4 - {}^{+}8$

13. State the place value of the underlined digit in the number 60475

14. Using a pair of compasses, a ruler and a pencil only construct an angle of 75^0

15. Simplify $\frac{3}{4} \div \frac{3}{2}$

16. A cylindrical cup of radius 7cm has its top and bottom removed, if its height is 10cm. Find its total surface area

17. Simplify
$4k - 7m + 3m - 2k$

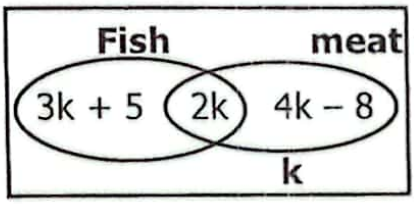
18. Find the Highest Common Factor (H.C.F) of 27 and 36.

19. The temperature at the top of the mountain was -15^0c in the morning. In the afternoon the temperature had risen to 25^0c. Find the rise in temperature.

20. In the bag, there are 4 red pens, 3 blue pens and 5 green pens. Find the probability of either picking a red or green pen.

SECTION B : 60 marks

21. The venn diagram below shows the number of pupils in a P.7 class who eat meat (M) and Fish (F)



(a) Find the value of k, if 52 pupils eat meat. **(2 mks)**

(b) Find the total number of pupils in the class. **(2 mks)**

(c) Work out the number of pupils who do not eat fish at all. **(1 mk)**

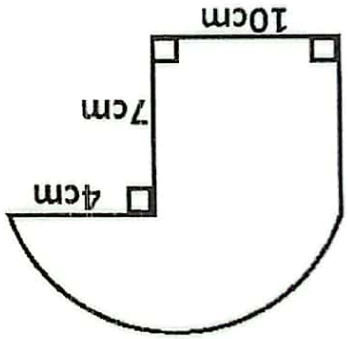
22. (a) Find the product of the place value of 4 and the value of 3 in the number 3547. **(3 mks)**

(b) Workout $1010_{five} - 344_{five}$. **(2mks)**

23. Given that;
US$ 1 = Ug sh. 3520
Ksh 1 = Ug sh. 35
(a) Peter has US$ 150, find how much money in Uganda shillings he has. **(2 mks)**

22. (a) Find the product of the place value of 4 and the value of 3 in the number 3547. **(2 mks)**

(b) Workout $1010_{five} - 344_{five}$. **(2mks)**



24. Find the area of the figure below. (use $\pi = \frac{22}{7}$) **(3mks)**

23. Given that;

US$ 1 = Ug sh. 3520

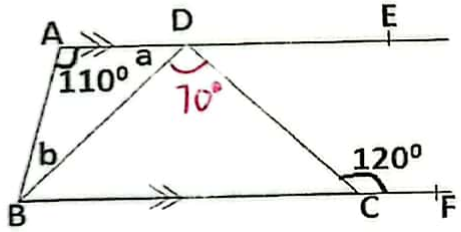
Ksh 1 = Ug sh. 35

(a) Peter has US$ 150, find how much money in Uganda shillings he has. **(2 mks)**

(b) A business man had 70 US dollars travelled to Kenya for a weekend, find how much money in Kenya shillings did he have? **(3 mks)**

25. A pupil ate $\frac{2}{7}$ of the pineaple in the morning, $\frac{2}{5}$ of the remainder in the afternoon and the rest in the evening, if he ate 18cm in the evening, find the length of the whole pineaple. **(5 mks)**

26. Find the value of a and b in the diagram below. **(5 mks)**



27. Kintu left Kampala at 8:30am and drove at a speed of 100km/h. reaching Masaka of 10:30am, he rested at Masaka for half an hour. He left for Mbarara at a speed of 80km/h. for one hour and thirty minutes.

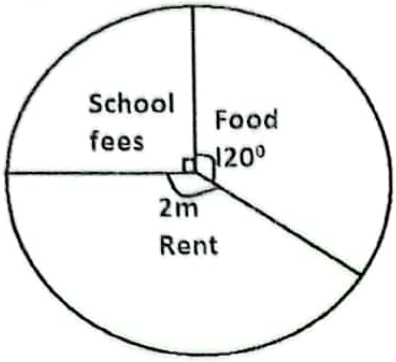
(a) Find the time he took to travel from Kampala to Masaka. **(1 mk)**

(b) Calculate the average speed for the whole journey for Kintu. **(5 mks)**

28. (a) Simplify $\frac{1}{2} + \frac{1}{4} \div \frac{3}{8}$ of $\frac{3}{10}$ **(3 mks)**

(b) Express 0.19444... as a vulgar fraction. **(02 mks)**

29. **The pie – chart below shows how a man spends his salary.**



(a) Find the value of m. **(2 mks)**

(b) If he spends sh. 36,000 on rent than food find the man's salary.
(3 mks)

30. A box of mangoes weighs 20.25kg. The empty box weighs 2.25kg. If each mangoes weighs 30 grammes. Find the number of mangoes that are in the box. **(4 mks)**

31. (a) Solve ½ r--3 = r+1. **(3mks)**

(b) Find the solution set for the inequality $2(d + 3) \leq 3d - 4$ **(2 mks)**

30. A box of mangoes weighs 20.25kg. The empty box weighs 2.25kg. If each mangoes weighs 30 grammes. Find the number of mangoes that are in the box. **(4 mks)**

31. (a) Solve ½ r--3 = r+1. **(3mks)**

(b) Find the solution set for the inequality $2(d + 3) \leq 3d - 4$ **(2 mks)**

32. (a) Using a pair of compasses, a ruler and a pencil only, construct a Quadrileteral WXYZ such that WX = 6cm and YX = 4cm **(4 mks)**

and $\angle ZWX = 90^\circ$

(b) Measure angle YWX. **(1 mk)**

*** STRUGGLE CONTINUES ***