JIM PREPARATORY NURSERY & PRIMARY SCHOOL

IKI-IKI

MOTTO: OUR GOD IS ABLE

**TERM TWO ASSEAAMENT EXAMS SET V 2023**

**PRIMARY SIX**

**MATHEMATICS**

**DURATION: 2HRS 15 MIN**

NAME: ..................................................................................

STREAM: ..............................................................................

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| **FOR EXAMINERS’ USE ONLY** | | | | |
| **QN. NO** | | **MARK** | | **SIGN** |
| **1-5** | |  | |  |
| **6-10** | |  | |  |
| **11-15** | |  | |  |
| **16-20** | |  | |  |
| **21-22** | |  | |  |
| **23-24** | |  | |  |
| **25-26** | |  | |  |
| **27-28** | |  | |  |
| **29-30** | |  | |  |
| **31-32** | |  | |  |
| **TOTAL** |  | |  | |

***Read the following instructions carefully:***

1. This paper has **two** Sections: **A** and **B**.
2. Section **A**, has **20** short answer questions (40 marks)
3. Section **B** has **12** questions (60 marks).
4. Answer **ALL** questions. All answers to both Sections **A** and **B** must be written in spaces provided.
5. All answers must be written using a blue ballpoint pen or ink. Diagrams should be drawn 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 box indicated for examiner’s use only.

**A**

**B**

**TOTAL**

**SECTION: A (40marks)**

1. Work out : 2 3 using repeated addition.

2. Write 24,013 in words

3. Work out:

4. Find the area of the figure below.

5dm

7dm

5. Given that a = 3, b = 5, find the value of ab + b .

6. Given that P = { a , b , c } , List all the proper subsets formed

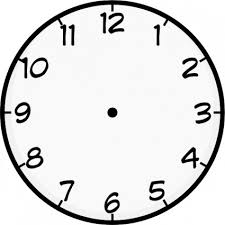
from set P.

7. Simplify: -6 -5

8. Find the sum of the 3rd and the 8th prime numbers.

9. A sports day started at the time shown on the clock face

below in the morning. At what time did it start in digital form?



10. How many lines of folding symmetry has the figure below?

11. A dice is rolled once. What is the probability that a prime

number appears on top?

12. Asiimwe sold a dozen of books at sh. 16,800 making a

profit of sh. 1800. What was the cost price of the dozen of

books?

13. How many 150 gram packets can be got from 4.5kg of

sugar?

14. Work out: 101**two** + 11**two**

15. Find the value of **w** in the figure below.

2w

36°

16. Prime factorise 45 and express its prime factors in power

form.

17. Simplify: 8m – 2p – m 5p

18. The total number of goats and sheep on Mr. Muliro’s farm

is 42. If the fraction of goats is, how many sheep are on

the farm?

19. Find the next number in the sequence.

3 , 4 , 7 , 12 , 19 , \_\_\_\_\_

20. Draw a Venn diagram to show that all hens(H) are birds(B).

**SECTION B (60 marks)**

21. In a class of 46 pupils, 28 like Mathematics (M), 23 like

English(E) 3 like neither of the two subjects while **k** like

both English and Mathematics.

(a) Represent the above information on the Venn diagram

below. (**3marks**)

n() = 46

n(M)=28 n(E) = 23

\_\_\_\_ k \_\_\_\_

\_\_\_\_

(b) How many pupils like only one subject? (**3marks**)

22(a) Simplify: 0.6 – 0.75 + 0.5 (**2marks**)

(b) Compare the given fractions using , or

(**2marks**)

i) \_\_\_\_\_\_

ii) \_\_\_\_\_\_

23. Given the numeral 748.5,

a) What is the value of 5? (**1mark**)

(b) Expand the above numeral using powers of ten.

(**2marks**)

(c) Find the product of the values of 7 and 5. (**3marks**)

24(a) Change 323five to denary base. (**2marks**)

(b) Subtract 114five from 203five  (**2marks**)

(c) Show 123five on the abacus (**2marks**)

25(a) Using a pair oof compasses, a ruler and a sharp pencil

only, construct an equilateral triangle in a circle of radius

3.5cm.

(**4marks**)

(b) Measure the length of each side. (**1mark**)

26(a) Cherop walked from Kapchorwa to Namugongo. If he spent

a week on the way, convert this duration in hours.

(**2marks**)

(b) Subtract (**2marks**)

**Weeks Days**

8 3

4 5

27. **Study the triangle below and use it to answer the**

**questions that follow.**

A

15dm

5dm 6dm

**D** 4dm **C** 12dm  **B**

a) What type of triangle is triangle ABC above? (**1mark**)

b) Find the area of triangle ABC. (**2marks**)

c) Find the perimeter of triangle ABC. (**2marks**)

28. Akello bought the following items from the shop.

kg of sugar at sh. 4,500 per kg.

kg of rice at sh. 5,200 per kg.

kg of salt at sh. 4,800

2 loaves of bread at sh. 3000 per loaf

a) How much did she spend altogether? (**4marks**)

b) If she received sh. 2,350 as change, how much money

did she have at first? (**1mark**)

29. **Study the Venn-diagram below and use it to answer the**

**questions that follow.**

PFV PF42

22 21

m

32 31

a) Find the value of; (**1mark @**)

i) V ii) m

b) Find the L.C.M of V and 42 (**2marks**)

30(a) Solve for k : 5k – 14 = 16 (**2marks**)

(b) A quadrangle has an area of 121m2. Find the length

of each side of the quadrangle. (**2marks**)

31a) Work out; **-**4 **-**6 using a number line. (**2marks**)

-7 -6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4

(b) Today is Sunday, what day of the week was it 40 days

ago?

(**2marks)**

(c) Which integer is 5 steps to the right of -2? (**1mark**)

32. In a village with 96 farmers, of them grow cassava and the rest

grow sweet potatoes.

(a) Find the fraction of those who grow sweet potatoes.

(**2marks**)

(b) How many more farmers grow cassava than sweet

potatoes? (**3marks**)

**End**