**MID TERM II EXAMINATION - 2022**

**MATHEMATICS**

**PRIMARY FIVE**

***Time allowed: 2 Hours 30 Minutes***

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** |  |  |
| **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 or black 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.

|  |  |  |
| --- | --- | --- |
| **SECTION** | **EXAMINER’S MARKS** | **T/L MARKS** |
| **A** |  |  |
| **B** |  |  |
| **TOTAL** |  |  |

**SECTION A**

1. Work out ; 22 x 4

2. Shade PUK

**K P**

3. What is the L.C.M of 6 and 9.

4. How many half litre cups can one make from a 20 litre jerrycan?

5. Find the value of 4 in 42,538.

6. List all the factors of 27.

7. If one bag costs sh. 15,000, what is the cost of 8 similar bags?

8. Find the area of the rectangle below.

9dm

12dm

9. Work out ;

10. Given that C:\Users\CRIA\Desktop\DIAGRAMS\EXAM PICTURES\New folder 1\mango-tree-clipart-boy-behind-a-tree-000.jpg represents 14 trees. Draw pictures to represent 98 trees.

11. Calculate the distance covered by a motorist moving at a speed of 60km/hr for 2½

hours.

12. Find the mean of 11, 6, 9, 4 and 10.

13. Solve for the unknown angle.

m

600

14. Set m = {s,o,i,l}. How many subsets are in set M?

15. Change to a decimal number.

16. How many rectangles are in the figure below?

17. Simplify; 6 + m = 19

18. Divide 111 by 3

19. Tamubula is 39 years old. Express her age in Roman numerals.

20. What is the value of 2 in 123five?

**SECTION B**

21. Given that set K = {even numbers less than 10} and set W = {1,2,3,4,5,6,7}

(a) List all the elements of set **K**. (1mark)

(b) **Represent the two sets on the Venn diagram.**

**K W**  (3marks)

(c) How many elements are in **KUW**? (1mark)

22. (a) What is the place value of 3 in 321five. (1mark)

(b) Change 321five to base ten. (2marks)

(c) Subtract; 4 1 4 five (2marks)

- 2 2 3

23. Below is a solid figure.

5cm

5cm

6cm

(a) Name the solid figure above. (1mark)

(b) How many edges does the solid figure have? (1mark)

(c) Calculate the volume of the figure above. (2marks)

24. In a village of 250 people, of them were males and the rest were females.

(a)What is the fraction of females? (2marks)

(b) How many females were in that village? (2marks)

(c) How many more females than males were in that village? (2marks)

25. (a) Express 90 minutes as hours. (2marks)

(b) Add; Hrs min (2marks)

4 44

+ 2 35

(c) Subtract; Weeks Days (2marks)

9 2

* 7 2

26. (a)Construct a line segment **PQ = 5cm**. (2marks)

(b)Find the size of the missing angles. (2marks each )

(i) y ii)

x 280

560

27 (a)Prime factorise 42 and give your answer in set notation. (2marks)

(b) Find the square root of 36. (2marks)

(c) If K= 5, Find the value of k2. (2marks)

28. Mugabe scored the following marks in a serie of tests 6, 9, 6, 5, 4 and 12

(a) Find the mode (1mark)

(b) How many tests were done by Mugabe? (1mark)

(c) What is the median mark? (1mark)

(d) Work out his average score. (2marks)

29. (a) Using a ruler, a sharp pencil and a pair of compasses only construct a

square of length 5cm. (3marks)

(b) Find the perimeter of the above square. (1mark)

30. (a) Mutaka bought a sack of beans at sh. 550,000 and later sold it at shs.

500,000. Calculate Mutaka’s loss. (2marks)

(b) Mutambuze had a twenty thousand shilling note and bought the following

items.

* 3kg of groundnuts at sh.4,800 per kg and used sh. 2000 for transport.

Find how much Mutambuze was left with as a balance? (3marks)

31. Solve the following

(a) 4 x k = 48 (2marks)

(b) p 8 = 12 (1mark)

(c) m + 7 = 24 (2marks)

32. **Study the table below carefully.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Class | P.1 | P.2 | P.3 | P.4 | P.5 |
| Number of pupils | 65 | 55 | 60 | 45 | 25 |

**Complete the bar graph correctly and neatly** (5marks)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

**NUMBER OF PUPILS**

70

65

60

55

50

45

40

35

30

25

20

15

10

5

0

P.1 P.2 P.3 P.4 P.5

CLASSES

**END**