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**OUTREACH SCHOOLS EXAMINATIONS BOARD**

**BEGINNING OF TERM 1 EXAMINATION – 2024**

**PRIMARY FIVE**

**MATHEMATICS**

***Time allowed : 2 hours 30 minutes***

**Pupil`s Name …………………………………………………….………………………………………..**

**School Name………………………………………………...........……………………………………...**

**District Name………………………………………………………………………………………………**

|  |  |  |
| --- | --- | --- |
| **FOR EXAMINERS’ USE ONLY** | | |
| **QN. NO.** | **MARK** | **EXR`S NO.** |
| **1 - 10** |  |  |
| **11 - 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**.

Section **A** has **20** questions and Section **B** has **12** questions.

1. All the working for both sections **A** and **B** must be shown in the spaces provided.
2. All working must be done using a **blue** or **black** ball-point pen or fountain pen. Any work done in pencil other than graphs, pictures and diagrams will **not** be marked.

1. **No calculators** are allowed in the examination room.
2. Unnecessary changes of work may lead to **loss** of marks.
3. Any handwriting that cannot easily be read may lead to **loss of marks.**
4. Do **not** fill anything in the boxes indicated:

**“FOR EXAMINERS’ USE ONLY” and** boxes inside the question paper.

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### SECTION A (40 MARKS)

*Answer* ***all*** *questions in this Section*

*Questions* ***1*** *to* ***20*** *carry two marks each*

1. Workout: 23 + 4

2. Expand 236 using values.

3. If one pen costs sh.2000.How many pens can sh.12000 buy?

4.Work out:

5.Draw tallies to represent 17 books.

6. Shade K – L on the Venn diagram below

L

K

7. Solve: P – 3 = 17

8. John weighs 45000g. Express his mass as kilograms.

9. Using a pair of compasses, a ruler and a sharp pencil only, construct an angle of 900.

10.Workout: **Hours minutes**

8 2 0

- 5 4 5

11. Find the GCF of 12 and 8.

12. At Mbuya Parents’ School, there are 1670 pupils. If 850 are girls and the rest are boys,

Find the number of boys in the school.

13. Okello had five hundred shilling coins in his bag. If he had a total amount of sh.3000 altogether, how many coins did he have in the bag?

14.Simplify:

15. Round off 236 to the nearest tens.

16.What is of 18 balls?

17. Jane scored the following marks in her Mid-term exams.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Subject | MTC | ENG | SCI | SST |
| Marks | \_\_\_\_\_ | 80 | 85 | 96 |

If her total marks in Mathematics and Science was 180, how many marks did she score in mathematics?

18. Annet is 29years. Write her age in Roman numerals.

19. In the circle below, line AC=14cm.Find length BC

**A**

**B**

**C**

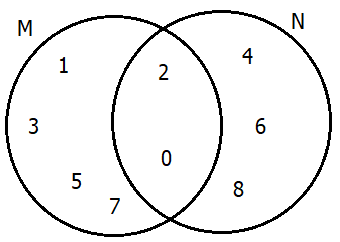
20. Find the next number in the sequence

3, 8, 13, 18, \_\_\_\_

***SECTION B (60marks)***

*Answer* ***all*** *questions in this section*

*Marks for each question are indicated in brackets*

21. Use the Venn diagram below to answer the questions that follow.

1. List the members of set M **(2marks)**
2. Find i) M ∩N **(1mark)**

ii) ∩(N – M) **(2marks)**

22**.** Given digits 3, 5, 2 and 4.

a) Form the largest 4-digit number using the above digits. (1mark)

1. Form the smallest 4 – digit number using the above digits. ( 1mark)
2. Write the largest number formed in words. (2marks)

**23**. The figure below shows Mr. Muyima’s compound.

L

**10m**

**12m**

k

1. Find the value of;(1mark @)
2. L =
3. K =
4. Work out the space covered by the above compound. (2marks)
5. Muyima’s son walked round the compound once, calculate the distance he covered.*2mrks)*

|  |  |  |
| --- | --- | --- |
| **2** | **m** | **6** |
| **9** | **5** | **n** |
| **4** | **p** | **8** |

24. Study the magic square below and use it to answer the questions that follow;

a) Find the magic sum. (1mark)

b) Find the value of;

i) m ii) n iii) p (1mark@)

25. Work out the following (2marks@)

1. Weeks Days b) years months

3 2 6 3

+5 3 - 2 5

c) Change 2hours into minutes.

26. Study the price list below and use it to answer the questions that follow;

*A book at sh.6000*

*A pen at sh.1000*

*A mathematical set at sh.4000*

*A pencil at sh.500*

1. What is the cost of the cheapest item? (1mark)

………………………………………………………………………………………………….

1. How much can one pay if he is to buy 4 pens. (2marks)

1. Find the total cost of 2mathematical sets and a book? (3marks)

27. a) List all the odd numbers less than 10.

b) Find the LCM of 8 and 12. (2marks@)

c) Given that the factors of 20 are; {1, m, 4, 5, n, 20}. Find the value of m and n.

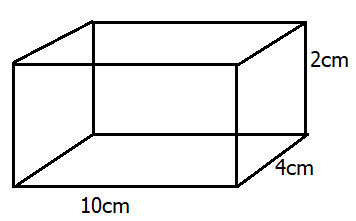
**28.** Apio read of her book in the morning and in the afternoon.

a) What fraction of the book did she read altogether? (2marks@)

b)What fraction of the book was not read?

29. a) Using a ruler, a sharp pencil and a pair of compasses only, construct a square ABCD of side 4 cm. **(4marks)**

b) Work out its area. **(2marks)**

30.Use the figure below to answer the questions that follow.

1. Name the above figure. (1mark)

………………………………………………………………………

1. Find the number of; (1mark@)
2. Faces \_\_\_\_\_\_\_\_\_ ii) edges \_\_\_\_\_\_\_\_\_\_\_\_

c) Find the area of the shaded part. (2marks)

31. Given that a = 4, b = 2 and c = 3.

Find the value of; (2marks@)

1. a + b + c
2. a + 2b
3. a x b + c

32.Study the table below and complete it correctly. (4 marks)

|  |  |  |
| --- | --- | --- |
| **Name** | **Number of books** | **Tallies** |
| **Peter** | **……………………** |  |
| **John** | **12** | **…………………………………………….** |
| **Jane** | **………………………** |  |
| **Joseph** | **26** | **…………………………………………….** |

**END**