**GOOD SAMARITAN PRIMARY SCHOOL**

**END OF TERM I EXAMINATIONS, 2024**

**PRIMARY SEVEN**

**MATHEMATICS**

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

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Stream\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**DISTRICT/MUNICIPALITY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PERCENTAGE MARK**

**COMMENT**

**Read the following instructions carefully:**

1. The paper has **two** sections: **A** and **B**
2. Section **A** has 20 short questions (40 marks)

|  |  |  |
| --- | --- | --- |
| **FOR EXAMINER’S USE ONLY** | | |
| **Qn. No** | **MARK** | **SIGN** |
| **1 – 10** |  |  |
| **11 – 20** |  |  |
| **21 – 23** |  |  |
| **24 – 25** |  |  |
| **2627** |  |  |
| **2830** |  |  |
| **3132** |  |  |
| **TOTAL** |  |  |

1. Section **B** has 12 questions (60 marks)
2. Answer **ALL** questions. All answers to both Sections A

and B must be written in the spaces provided.

1. All answers must be written using a **blue** or **black** ball

point pen or ink. Diagrams **should** be drawn in **pencil**.

1. Unnecessary **crossing** of work may lead to loss of marks.
2. Any handwriting that cannot be easily read may lead to

loss of marks.

1. Do **not** fill anything in the boxes indicated for Examiner’s

use only.

***Turn over***

**SECTION B(40MARKS)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | Work out: 79-35 | | 2. | | Write XCIV in Hindu Arabic numerals. | | |
| 3. | Given that A={a,b,c,d,e} and B={a,e,i,o,u}  Find n(A-B) | | 4. | | Find the sum of the 6th and 10th even numbers. | | |
| 5. | In the Venn diagram below, shade the complement of MnN. | | 6. | | Simplify: 5m-7m+8m | | |
| 7 | Write the number represented by the tallies below. | | 8. | | The place value of 8 in the number is ten thousands. Find the value of 8. | | |
| 9. | Work out**:** | | 10 | | Find the volume of the figure | | |
| 11 | Find the range of --1, 0, --4, 2 and –3 | | 12 | | A man has a rectangular plot of land whose length is 15m. If the area of the land is 180m2. Find the width of the land. | | |
| 13 | A cheetah covered a distance of 360km in 3 hours. Calculate its average speed in kilometres per hour. | | 14 | | Evaluate: 2 5=\_\_\_\_\_\_(finite 6) | | |
| 15 | Write “One thousand, one” in digit form. | | 16 | | How many lines of folding symmetry does the figure below have? | | |
| 17 | Find the G.C.D of 8 and 12 | | 18 | | A business man bought a shirt at sh. 48,000 and later sold it at a profit of sh. 15,000. At what price did the business man sell the shirt? | | |
| 19 | In the figure below, find the value of n in degrees. | | 20 | | Decrease sh. 45000 in the ratio of 3:5 | | |
| **SECTION B (60MARKS)** | | | | | | | |
| 21 | | In a party attended by 70 guests, 40 took coke (C), 35 took Pepsi (P) and 3y took both drinks while 10 guests did not take any of the two drinks.   1. Use the above information to complete the Venn diagram below. (2marks)   b) Find the value of y. (3marks)  n( ) | | | | | |
| 22 | | Study the number line below and use it to answer the questions that follow   1. What integers are represented by the arrows on the number line above?     i) X=­\_\_\_\_\_\_\_\_\_\_\_ ii) Y=\_\_\_\_\_\_\_\_\_\_\_\_\_\_ iii) Z=\_\_\_\_\_\_\_\_\_\_\_\_\_(3marks)   1. Write a mathematical sentence shown by the arrows on the number line above.   (2marks) | | | | | |
| 23. | | The table below represents the marks scored by some pupils in a Mathematics test.  Use it to answer questions that follow.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Marks scored | 60 | 80 | 90 | 70 | | No.of pupils | 4 | 8 | 6 | 2 |  1. How many pupils did the test? (2marks) | | | | b) Calculate his average mark (3marks) | |
| 24. | | The table below shows the shopping bill of Walter’s wife. Use it and answer the questions that follow.   1. Complete the table below correctly. (5marks)  |  |  |  |  | | --- | --- | --- | --- | | **Item** | **Quantity** | **Unit price** | **Total cost** | | Sugar | 3kg | Sh.4,500 per kg | Sh.\_\_\_\_\_\_\_\_\_\_\_ | | Rice | 2kg | Sh.\_\_\_\_\_per kg | Sh. 12,000 | | Cooking oil | \_\_\_\_\_\_\_\_\_litres | Sh.3,500 per litre | Sh. 14,000 | | Salt | 1kg | Sh.1,000 per kg | Sh.\_\_\_\_\_\_\_\_\_\_ | |  | Total expenditure | | Sh.\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |
| 25. | | a) Using a ruler, a pencil and a pair of compasses only, construct an equilateral triangle KLM in which KL is 7cm. (4marks)   1. Measure the angle KLM (1mark) | | | | | |
| 26 | | The sum of the numbers in the square below is the same, vertically, horizontally and diagonally. Complete the table correctly. (5marks)   |  |  |  |  | | --- | --- | --- | --- | | 20 |  | 7 | 17 | | 9 | 15 | 14 |  | |  | 11 | 10 | 16 | | 8 | 18 | \_\_\_\_ |  | | | | | | |
| 27 | | There are 1500 pupils in the school and 60% of them are girls then the rest are boys.   1. Find the number of boys in the school. (3marks) 2. How many more girls than boys are there in the school? (2marks) | | | | | |
| 28. | | A cyclist travelled from town A to town B at an average speed of 60km per hour for 2 hours. He then continued to town C at a steady speed of 50km/h. He took 5 hours to travel from town A to town C.   1. Find the distance between town B and town C (2marks) | | 1. Calculate the cyclist’s average speed for the whole journey. (2marks) | | | |
| 29 | | Give that Y=X. Complete the table below (5marks)   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | X | --3 | \_\_\_\_ | 0 | \_\_\_ | 3 | | Y | \_\_\_\_ | --2 | \_\_\_ | 0 | \_\_\_\_ | | | | | | |
| 30 | | In a village, the ratio of children to women to men is 3:2:5 respectively. If there are 450 men,   1. Find the total number of people in the village. (3marks) 2. How many more children than women are there in the village? (3marks) | | | | | |
| 31 | | The figure below shows the metallic  rectangular sheet.  Use it to answer the questions that follow.     1. Find the value of w (2marks) | | | | | 1. Work out the perimeter of the sheet (3marks) |
| 32 | | The pie chart below shows Muzorewa’s monthly expenditure of sh. 720,000. Use it to answer the questions that follow     1. Find the value of p in degrees. (3marks) 2. How much more money does he spend on food than on rent? (2marks) | | | | | |

***END***