

**SINDHI HIGH SCHOOL, HEBBAL**

**III PERIODIC TEST [2023-24]**

**SUBJECT: MATHEMATICS**

**Class:VI Max Marks: 30**

**Date:.1.2.2024 Reading Time:8:20-8:30am**

**No of Sides: 02 Writing Time:8:30-9:30am**

**GENERAL INSTRUCTIONS:**

* This Question Paper has 5 Sections A-E.
* Section A has 6 MCQs carrying 1 mark each
* Section B has3 questions carrying 02 marks each.
* Section C has 3 questions carrying 03 marks each.
* Section D has 1question carrying 05 marks..
* Section E has 1 case based integrated units of assessment carrying 4 marks

sub-parts of the values of 1, 1 and 2 marks each.

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|  | **Section A** |  |
|  | **Section A consists of 6 questions of 1 mark each.** |  |
| 1 | The perimeter of a square whose area is 121 square metre is  a)16m b)332m c) 44m d)128m | **1** |
| 2 | The height of a square wall measures 5m. If the cost of painting the wall is Rs1750,the rate of painting the wall per sq.m is  (a)Rs102.50 b) Rs 70.00 (c) Rs 75.50 d) Rs80.25 | **1** |
| 3 | The perimeter of an equilateral triangle is 3p cm, then its length of the side measures  a)(3+p)cm b) (p-3)cm c) p cm d)3 cm | **1** |
| 4 | If the area of a rectangle plot of length 20m is 320sq.m; then its breadth will be  a)6400 b) 640m c) 160 cm d) 16 m | **1** |
| 5 | Express the statement ‘sum of p and q is 10’ mathematically  a)8p = 10 b) 8p-10 c) p + q =10 d) 8-p =10 | **1** |
| 6 | If there are 50 oranges in a box and ‘b’ be the number of boxes. Write the total number of oranges in all  a) (b+50) b) (b-50) c) 50 b d) | **1** |
|  | **Section B** |  |
|  | **Section B consists of 3 questions of 2 marks each.** |  |
| 7 | Selvi is Ceeli’s younger sister. Selvi is 4 years younger than Ceeli. Write Selvi’s age in terms of Ceeli’s age. Take Ceeli’s age to be x years | **2** |
| 8 | A dining table measures 3m 50cm by 2m.what is its area in square metre? | **2** |
| 9 | The salary of Hari krishna is two times the salary of Manish which is Rs x; then   1. What is the salary of Hari Krishna in terms of x ? 2. What will be his annual income in the same year? | **2** |
|  | **Section C** |  |
|  | **Section C consists of 3 questions of 3 marks each.** |  |
| 10 | a) If Meenu’s present age is ‘x’ years, what was her age 10 years back(express in years)  b)What will be her age 4 years later? | **3** |
| 11 | Sonu is drawing a dot rangoli .She has 7 dots in a row.   1. How many dots will her rangoli have for ‘r’ rows? 2. How many dots are there, if there are 6 rows? | **3** |
| 12 | What is the cost of tiling a rectangular floor of 50m long and 20m wide ,at the rate of Rs 80 per hundred square metre? | **3** |
|  | **Section D** |  |
|  | **Section D consists of 1 questions of 5 mark** |  |
| 13 | (a)Find the rule which gives the number of match sticks required to make the following match stick pattern .Use a variable to write the rule  i) A pattern of letter E .  ii) A pattern of letter V    b) Write any two English alphabet whose general rule for the pattern of letter formed using match sticks is 2n.  c) Write the correct Algebraic expression for the following:  The price of a dozen of bananas is Rs x. What will be the price of four dozens of bananas. | **5** |
|  | **Section E** |  |
|  | **Section E consists of one Case base study questions of 4 mark** |  |
| 14 | Mrs Roy took her students out for an excursion to her fields. The dimension of the rectangular field is 2000m by 175m. In the field rice,wheat and barley are cultivated .Rice is cultivated in a rectangular plot of 75m by 70m; Wheat in a square plot of side 20m and barley in 50m by 25m plot. The rest of the field is covered with Flowering plants. Now Mrs Roy is calculating the area of cultivation. Help Mrs Roy in her calculations:  a)What is the area of the rectangular field which Mrs Roy own? (1mark)  b)What is the total area of Rice, wheat and Barley fields?(2marks)  c)What is the area of rest of the fields which is covered with Flowering plants?(1mark) | **4** |

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