**KENDRIYA VIDYALAYA SANGTHAN RO JAIPUR**

**SESSION ENDING EXAM 2025-26**

### Class: VI Subject: Maths Sub Code: 041 Set No.: SAMPLE PAPER Max Marks:60 Duration: 2 hour 30min

**General Instructions:**

1. **All** questions are compulsory.
2. This question paper contains 30questions divided into four Sections A,B, C, D *wwtand* E.
3. **Section A** comprises of 15 questions of **1 mark** each. **Section B** comprises of 6 questions of **2 marks** each. **Section C** comprises of 5 questions of **3 marks** each. **Section D** comprises of 2 questions of **5 marks** each and **Section E** comprises of 2 questions of **4 marks** each.
4. Use of Calculators is not permitted

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| **Q No** | **SECTION-A (1 MARK)** | Marks |
| 1. | The perimeter of a rectangle is :  (a) 4 x side (b) 2(length x breadth) (c) length x breadth (d) 2(length +breadth) | 1 |
| 2. | Find the perimeter of a triangle with sides 3cm ,4cm and 5cm.  (a) 30 cm (b) 25 cm (c) 20cm (d) 12 cm | 1 |
| 3. | If length and breadth of a rectangular field are 70m and 40m respectively than find the area of this field .  (a) 2200m2 (b) 2800m2 (c) 280m2 (d) 1100m2 | 1 |
| 4. | Which of the following is not improper fraction?  (a) (b) (c) (d) | 1 |
| 5. | How many fractions lie between 0 and 1?  (a) Infinite (b) 3 (c) 2 (d) 1 | 1 |
| 6. | Write the mixed fraction in fraction :  (a) (b) (c) (d) | 1 |
| 7. | How many pieces of length will make a length of ?   1. 4 (b) 3 (c) 2 (d) 1 | 1 |
| 8. | Which of the following can be constructed using only a compass and pencil:  (a) Circle (b) triangle (c) square (d) None | 1 |
| 9. | The distance between the fixed point (centre) and any point of a circle is called :  (a)Radius (b) (c) Diameter (d) Circumference | 1 |
| 10. | How many lines of symmetry in a circle?  (a) Three (b) Ten (c) Two (d) Countless | 1 |
| 11. | Number of lines of symmetry in rectangle :  (a)1 (b) 2 (c) 4 (d)Countless | 1 |
| 12. | The total number of integers between -4 and -1 are -  (a)1 (b) 2 (c) 7 (d)infinite | 1 |
| 13. | A number with a ‘+’ sign in front is called a …………………..  (a) positive number (b) negative number  (c) prime number (d)composite number | 1 |
| 14. | Write the additive inverse of (+2) :  (a)- 2 (b) - 1 (c) 3 (d) - 4 | 1 |
| 15. | What will be the result for (-4 )+(-3 ) =  (a)1 (b) - 1 (c) - 7 (d) +7 | 1 |
|  | **SECTION-B (2 MARKS)** |  |
| 16. | Find the cost of fencing a square park of side 250 meter at the rate of र 20 per meter.  **OR**  What would be the cost of fencing a rectangular park whose length is 150 m and breadth is 120 m, if the fence costs र 40 per meter? | 2 |
| 17. | Find the side of square whose perimeter is 20 cm.  **OR**  Find the area of the rectangular park whose length and breadth are 12 cm and 21 cm respectively. | 2 |
| 18. | A wholesale merchant packed 1 kg of rice in four packets of equal weight. Find the weight of  each packet in gm.  **OR**  Arrange these fraction words in order of size from the smallest to the biggest given below:  One and a half, three quarters, one and a quarter, half, quarter, two and a half. | 2 |
| 19. | Draw a picture and write an addition statement as above to show: 5 times of a roti.  **OR**  Write the following mixed numbers as fractions: (a) 3 (b) 7 | 2 |
| 20. | Write down two properties of a rectangle.  **OR**  Draw a rectangle of length 4 cm and breadth 6 cm. | 2 |
| 21. | Evaluate the following using tokens:- ( +5 ) + ( -3 ) | 2 |
|  | **SECTION – C (3 MARKS)** |  |
| 22. | Find the cost of fencing a rectangular park of length 175m and breadth 125m at the rate of Rs 12 per metre.  **OR**  The area of a rectangular piece of cardboard is 36 sq cm and its length is 9cm.What is the width of the cardboard and find its perimeter also? | 3 |
| 23. | Draw a rectangle of sides 2 cm and 10 cm. After drawing, check if it satisfies  both the rectangle properties.  **OR**  Is it possible to construct a 4-sided figure in which—  • all the angles are equal to 90º but  • opposite sides are not equal? | 3 |
| 24. | Construct a rectangle that can be divided into 3 identical squares.  **OR**  Construct a rectangle of sides 8 cm and 4 cm. How will you construct a square inside, such that the centre of the square is the same as the centre of the rectangle? | 3 |
| 25. | Find the number of lines of symmety for each of the following shapes : | 3 |
| 26. | In a quiz, team A scored – 40, 10, 0 and team B scored 10, 0, – 40 in three successive rounds. Which team scored more? Can we say that we can add integers in any order?  **OR**  Find the years below:  (a) From the present year, which year was it 150 years ago?  (b) From the present year, which year was it 2200 years ago? | 3 |
|  | **SECTION-D (5 MARKS)** |  |
| 27. | (i) Shubham painted of the wall space in his room. His sister Madhavi helped and painted of the wall space. How much did they paint together?  (ii) Naina was given 1 piece of cake and Najma was given 1 piece of cake. Find the total amount of cake was given to both of them.  **OR**   1. Anil was in a group where 2 cakes were divided equally among 5  children. How much cake would Anil get? 2. Solve the following: (a) -  **(b)**  - | 2  3  2  3 |
| 28. | (i) How many lines of symmetry in the following figures:      (ii) Find the number of lines of symmetry and also,draw the line symmetry for the following :  (a)An Equilateral triangle (b)Square (c) a regular hexagon | 2  3 |
|  | **SECTION-E (4 MARKS)** |  |
| 29. | Observe the following picture and give the answers :    (i)What is the shape of the grass garden.  (ii) What is the shape of the flower bed.  (iii) Find the perimeter of the complete picture.  (iv) Find the area of grass garden. | 1  1  1  1 |
| 30. | Following number line shows the temperature in degree celsius (°C) at different places on a particular day.    (a) Observe this number line and write the temperature of the places marked on it.  (b) What is the temperature difference between the hottest and the coldest places among the above?  (c) What is the temperature difference between Lahulspiti and Srinagar? | 1  1  2 |

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