

Vikas Bharati Public School
Final Term Sample paper (Session 2025-26)
Class: VI
Subject: Mathematics

Time: 2 hours 30 minutes

M.M: 60

Note: 1. This question paper contains 5 printed pages and 28 questions.

2. Read all the questions carefully.

SECTION – A

All questions are compulsory. In MCQ write the correct option with complete answer.

1. What is the measure of the angle between the hour hand and a minute hand of a clock when it is 4 O' clock?



a) 180° b) 120° c) 90° d) 60°

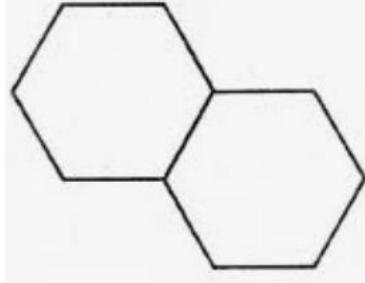
2. Largest palindromic number between 700 and 800 is _____.

a) 979 b) 797 c) 777 d) 787

3. A bar graph shows the population of a town over several years. The vertical axis represents the population in thousands and the scale is 1 unit = 5000 people. If a bar is 15 units high what is the population?

a) 15000 b) 7500 c) 75000 d) 5000

4. Two regular hexagons of perimeter 30cm each are joined. The perimeter of the new figure is



a) 60 cm b) 55 cm c) 50 cm d) 45 cm

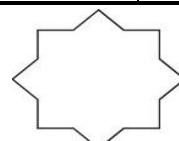
5. A rectangular carpet has an area of 72 sq.m and the width of 6 m. What is the length?

a) 432 m b) 72 m c) 12 m d) 6 m

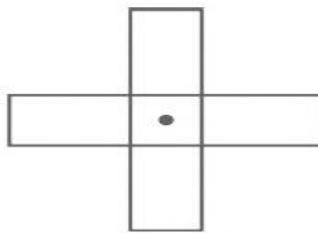
6. You start from floor -5 and press +7 in the lift where will you reach?

a) -12 b) -2 c) 2 d) -10

7. How many lines of symmetry the given shape have?



a) 5 b) 6 c) 7 d) 8

8.	The number of whole units in $\frac{9}{2}$ is _____.				1
	a) 1	e) 2	b) 3	c) 4	
9.	The perimeter of a regular Pentagon with side 6 cm is _____.				1
	a) 24 cm	b) 30 cm	c) 36 cm	d) 42 cm	
10.	Which of the following subtraction is correctly represented by the given arrangement of tokens?				1
					
	a) $+7 - (-4)$	b) $+7 - (+4)$	c) $(-7) + (-4)$	d) $(-7) - (-4)$	
11.	Do as Directed:				
	a) Fill in the blanks.				3
	(i) The smallest angle of symmetry of an equilateral triangle is _____.				
	(ii) 12, 6, 1, (-3), _____, _____				
	(iii) 6 kg of sugar packed equally in four packets is same as 12 kg of sugar packs in equally in _____ packets.				
	b) Arrange the following in descending order.				1
	$-15, -18, -2, 3, 10, -4$				
	c) State True or False. In a rectangle all sides are equal.				1
	d) How much orange juice did each of the 7 friends drink if they shared four glasses equally?				1
	e) If the sides of the square are doubled, what happens to its area?				1
	f) A figure looked exactly the same six times in one complete rotation what is the smallest angle of symmetry?				1
	g) What fraction of a day is 16 hours?				1
	h) Find the angles of symmetry in a given figure				1
					

SECTION – B

Do any 6 questions from Q12 to Q18. Over attempt will not be evaluated.

12.	If there are 45 spokes in a bicycle wheel what is the angle between two adjacent spokes?	2
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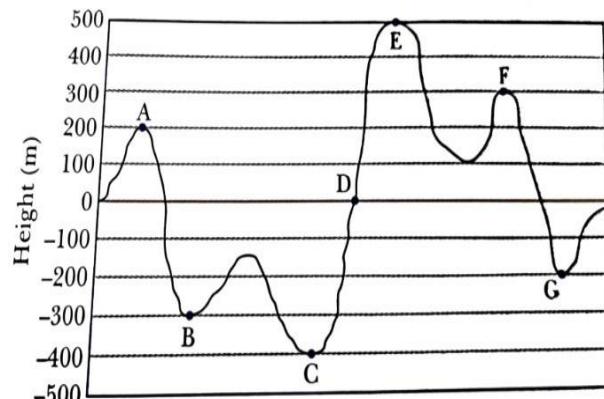
13.	What is the palindrome obtained on applying reverse – and add – palindrome technique on 251?	2																																
14.	Draw and name two figures Other than circle and square which have both reflection symmetry and rotational symmetry.	2																																
15.	<p>The data for a class test is given in the adjacent table</p> <table border="1"> <tr> <td>Roll Number</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> </tr> <tr> <td>Marks</td> <td>80</td> <td>50</td> <td>30</td> <td>40</td> <td>70</td> <td>50</td> <td>40</td> <td>50</td> <td>60</td> <td>70</td> <td>80</td> <td>80</td> <td>80</td> <td>70</td> <td>60</td> </tr> </table> <p>a) What are the highest marks? How many children obtain the highest mark? b) How many students scored marks greater than or equal to 60?</p>	Roll Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Marks	80	50	30	40	70	50	40	50	60	70	80	80	80	70	60	2
Roll Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																			
Marks	80	50	30	40	70	50	40	50	60	70	80	80	80	70	60																			
16.	<p>The figure shows three rooms connected together. The length of Room 1 is 9 cm and its area is 45 sq cm. Room 3 has an area of 12 sq cm and breadth of 2 cm. Using this information, calculate the missing area of Room 2.</p>	2																																
17.	Which angle is greater $\angle X O Y$ or $\angle A O B$? Give reasons.	2																																
18.	On one day, the temperature on a hill at 8:00 p.m. was 2°C but at the midnight, it fell down to -3°C . By how much degree Celsius the temperature fall?	2																																

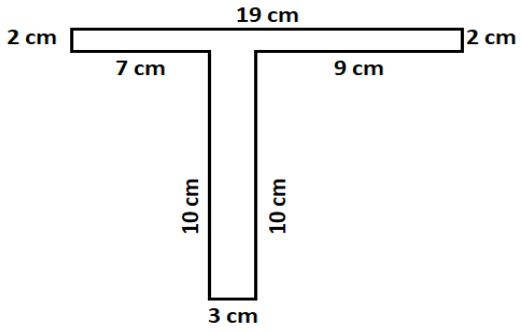
SECTION – C

Do any 4 questions from Q19 to Q23. Over attempt will not be evaluated.

19.	Arrange in ascending order. $\frac{3}{4}, \frac{12}{5}, \frac{7}{12}, \frac{5}{4}$	3
20.	Construct a rectangle where one of its sides is 5cm and the length of a diagonal is 7cm.	3
21.	<p>a) Find the value of: $(-10) + 92 + 84 + (-15)$</p> <p>b) Evaluate using token method. $4 - (-6)$</p>	3

22.	<p>The time taken by 25 students to solve a particular problem in minutes is given below. Represent the information in the table using tally marks.</p> <table border="1" data-bbox="163 221 1379 481"> <tbody> <tr> <td>4</td><td>5</td><td>5</td><td>4</td><td>6</td><td>8</td><td>6</td><td>4</td><td>10</td><td>3</td></tr> <tr> <td>4</td><td>5</td><td>4</td><td>6</td><td>8</td><td>10</td><td>9</td><td>3</td><td>5</td><td>5</td></tr> <tr> <td>6</td><td>6</td><td>8</td><td>7</td><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	4	5	5	4	6	8	6	4	10	3	4	5	4	6	8	10	9	3	5	5	6	6	8	7	5						3
4	5	5	4	6	8	6	4	10	3																							
4	5	4	6	8	10	9	3	5	5																							
6	6	8	7	5																												
23.	<p>A rectangular mango orchard is 20m long and 80m wide. If each mango tree requires 25 square meters of space what is the maximum number of mango trees that can be planted in the orchard?</p>	3																														
	<p>SECTION – D Do any 3 questions from Q24 to Q27. Over attempt will not be evaluated.</p>																															
24.	<p>a) Write all the integers between -5 and $+5$ in the increasing order.</p> <p>b) In a geographical cross-section, some points appear above sea level (marked with positive values) and other lies below sea level (represented by negative values) using sea level defined as zero as the reference point. Based on the given information answer the following questions:</p> <ol style="list-style-type: none"> Write the highest and lowest points in the given geographical cross section? What is the difference between heights of the highest and the lowest points? Write the points in a sequence of increasing order of heights. 	4																														
25.	<p>The following table shows the number of books sold by a shopkeeper in four consecutive days. Represent the data on a bar graph choosing the scale of your own choice.</p> <table border="1" data-bbox="163 1531 1493 1679"> <thead> <tr> <th>Days</th><th>Monday</th><th>Tuesday</th><th>Wednesday</th><th>Thursday</th></tr> </thead> <tbody> <tr> <td>Number of Books</td><td>75</td><td>80</td><td>65</td><td>100</td></tr> </tbody> </table>	Days	Monday	Tuesday	Wednesday	Thursday	Number of Books	75	80	65	100	4																				
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26.	<p>Find the area of the following figures by splitting into rectangles</p> 	4		
27.	<p>a) Express $\frac{126}{147}$ in lowest term.</p> <p>b) Amit school is $\frac{6}{7}$ km from his house. He walked some distance from school and then took a rickshaw for $\frac{5}{6}$ km to reach his school. How far did he walk?</p>	4		
SECTION – E				
In MCQ write the correct option with complete answer.				
28.	<p>Riya opens a savings bank account with ₹200 that she received as a birthday gift. So, her initial bank balance is ₹200.</p> <p>The next day, she earns ₹120 by tutoring a neighbor's child and deposits the amount into her bank account. This entry is shown as a credit in her passbook.</p> <p>After two days, Riya pays her mobile recharge bill of ₹90 using her bank account. This transaction is recorded as a debit.</p> <p>Later in the week, she withdraws ₹300 to buy books and stationery for school. This is also shown as a debit.</p> <p>Based on the above information, answer the following questions.</p>			
(i)	What was Riya's bank balance immediately after depositing her tutoring money??	1		
	a) ₹200	b) ₹280	c) ₹320	d) ₹120
(ii)	Which of the following transactions is recorded as a debit?	1		
	a) Birthday gift	b) Tutoring income	c) Paying mobile recharge	d) Depositing cash in bank
(iii)	What was Riya's bank balance after paying the mobile recharge bill?	1		
	a) ₹230	b) ₹210	c) ₹320	d) ₹110
(iv)	What is Riya's final bank balance after withdrawing ₹300?	1		
	a) ₹70	b) - ₹70	c) ₹530	d) - ₹300