

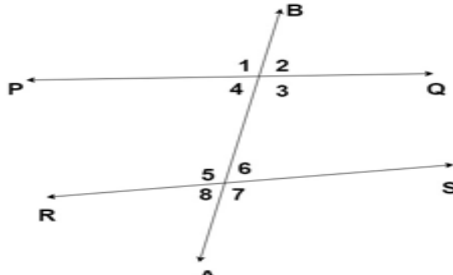
SAMPLE PAPER
TERM-I (2025-26)
CLASS-VI (MATHEMATICS)

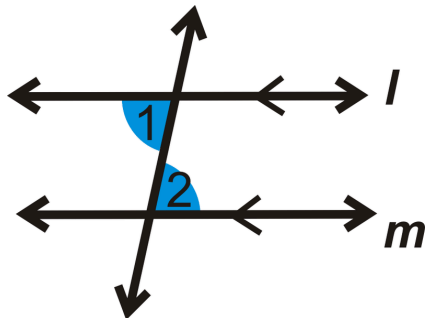
Time: 3 hours

M.M: 80

General instructions

1. *This question paper contains 38 questions.*
2. *This Question paper contains - five sections A, B, C, D and E. Each section is compulsory. However, there are internal choices in some questions.*
3. *Section A has 20 MCQ's of 1 mark each.*
4. *Section B has 5 Very Short Answer (VSA)-type questions of 2 marks each.*
5. *Section C has 6 Short Answer (SA)-type questions of 3 marks each.*
6. *Section D has 3 Long Answer (LA)-type questions of 4 marks each.*
7. *Section E has 4 questions of 5 marks each.*
8. *15 minutes time has been allotted for reading this question paper.*

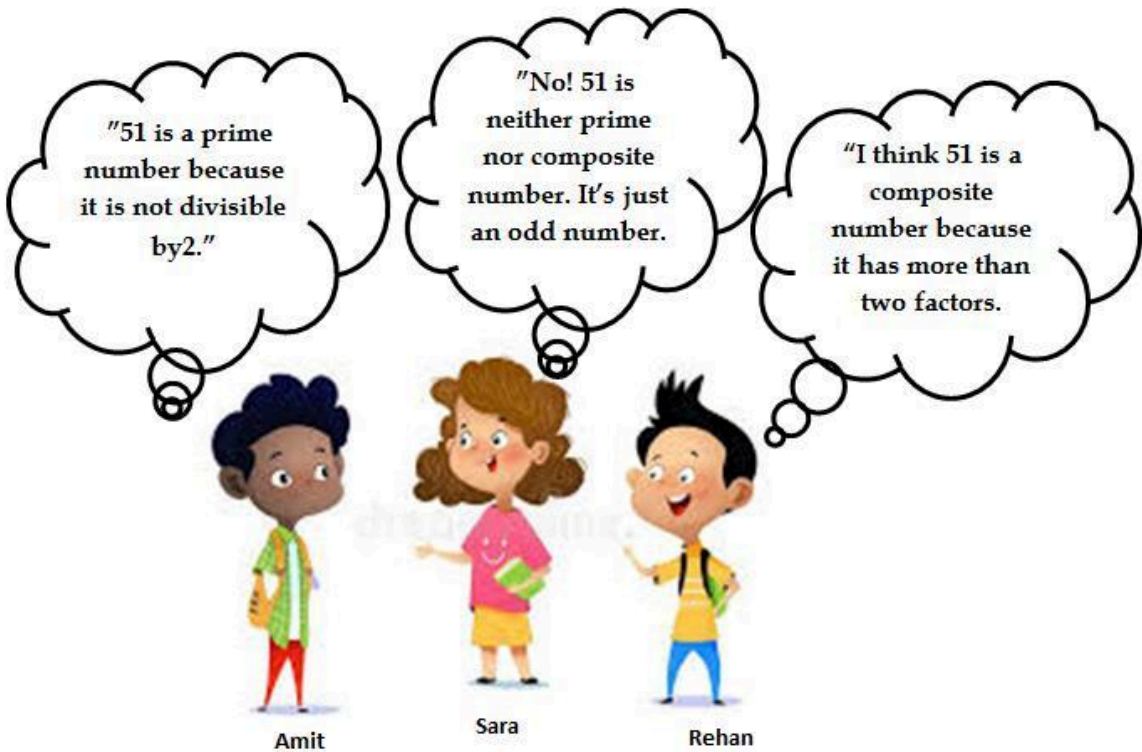
S.No.	Section A (This section comprises multiple choice questions of 1 mark each.)	Marks
1	Multiple of 5 which lies between 4983 and 4990 is: (A) 4985 (B) 4975 (C) 4965 (D) 4995	1
2	The Roman numeral for 47 is : (A) XL (B) XLVII (C) XLV (D) XLVI	1
3	7268 - 2527 estimated to the nearest thousand is: (A) 2000 (B) 3000 (C) 4000 (D) 5000	1
4	Which of the following statement is incorrect? (A) Alternate angles can be interior angles as well as exterior angles. (B) Perpendicular lines make 90° angle with each other. (C) Corresponding angles lie on the opposite side of the transversal. (D) Perpendicular distance between two parallel lines is the same everywhere.	1
5	Predecessor of XCI is: (A) XC (B) CX (C) XCC (D) XXCI	1
6	In the given figure, PQ and RS are two lines in a plane, and line AB is transversal. A pair of corresponding angles is: 	1

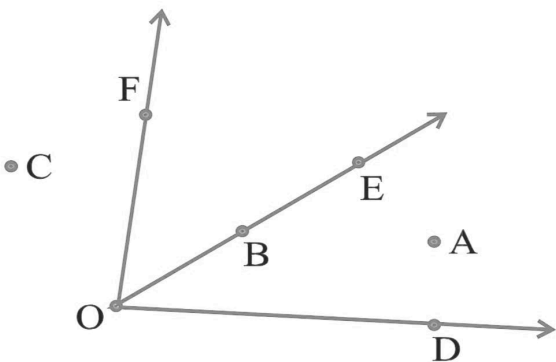
	(A) $\angle 1$ and $\angle 5$ (B) $\angle 1$ and $\angle 3$	(C) $\angle 1$ and $\angle 7$ (D) $\angle 1$ and $\angle 6$	
7	441 can be expressed as a product of primes is: (A) $7 \times 7 \times 9$ (B) 63×7 (C) $3 \times 3 \times 7 \times 7$ (D) 21×21		1
8	Number of factors of 36 are: (A) 9 (B) 8 (C) 7 (D) 6		1
9	HCF of two co-prime numbers is: (A) 2 (B) 1 (C) 3 (D) 4		1
10	$\frac{4}{9}$ of a straight angle is: (A) 90° (B) 180° (C) 80° (D) 120°		1
11	A pair of perpendicular lines intersect at an angle of: (A) 180° (B) 90° (C) 360° (D) 270°		1
12	Number of angles formed when two lines are intersected by a transversal are: (A) 7 (B) 8 (C) 5 (D) 4		1
13	Square of 2 subtracted from cube of (-1) is: (A) 3 (B) 5 (C) -5 (D) 1		1
14	In the given figure, the angles 1 and 2 are forming _____ <div style="text-align: center;">  </div> (A) Alternate exterior angles (B) Corresponding angles (C) Linear pair (D) Alternate interior angles		1
15	Opposite edges of your notebook is an example of: (A) A line (B) a point (C) two points (D) Parallel lines		1
16	The point where three or more lines meet is called _____ (A) Non- collinear points (B) Collinear points (C) Point of concurrence (D) Point of intersection		1
17	If each symbol represents 15 houses, then the number of houses represented by the figure $\uparrow\uparrow\uparrow\uparrow$ is:		1

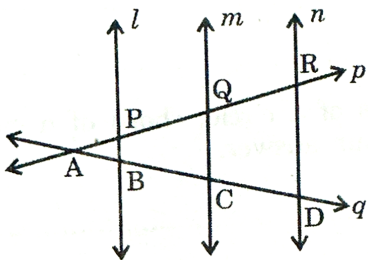
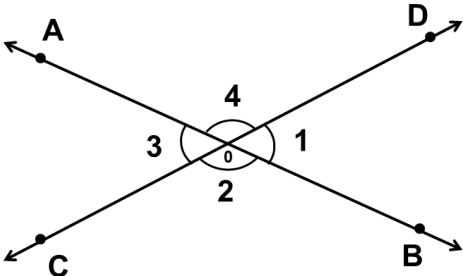
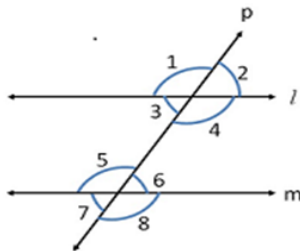
	(A) 60 (B) 20 (C) 15 (D) 40	
18	Minimum number of points of intersection of three lines is : (A) 0 (B) 1 (C) 2 (D) 3	1
19	Number of lines that can pass through two given points in a plane : (A) 0 (B) 1 (C) 2 (D) many	1
20	The sum of an integer and its additive identity is : (A) 0 (B) 2 (C) 1 (D) Same number	1

Section B

(This section comprises a very short answer type (VSA) of 2 marks each.)

21	<p>Three children – <i>Amit</i>, <i>Sara</i>, and <i>Rehan</i> – are discussing the number 51.</p>  <p>Who do you think is correct? Explain your answer.</p>	2
22	Add : 937, -37, 100, (-200)	2
23	<p>Find the sum on a number line: $7 + (-4) + (-5)$ OR Write the following integers in descending order 9, -8, 0, -25, -43, 39</p>	2
24	Find the complement of the supplement of 120°	2

	<div>OR</div> <div></div> <div>In the given figure, name the points:</div> <div>(A) In the interior of $\angle DOE$ (B) In the exterior of $\angle EOF$</div>											
25	<div>The following table represents the choice of sweets of 40 students in a class. Show them in a table using tally marks.</div> <table><tr><th>Choice</th><th>No. of students</th></tr><tr><td>Chocolate Burfi</td><td>12</td></tr><tr><td>Jalebi</td><td>16</td></tr><tr><td>Kaju Katli</td><td>8</td></tr><tr><td>Laddoo</td><td>4</td></tr></table>	Choice	No. of students	Chocolate Burfi	12	Jalebi	16	Kaju Katli	8	Laddoo	4	2
Choice	No. of students											
Chocolate Burfi	12											
Jalebi	16											
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Laddoo	4											
<div>Section C</div> <div>(This section comprises short answer type (SA) of 3 marks each.)</div>												
26	<div>Find the HCF of 396 and 1080.</div> <div>OR</div> <div>Find the least number which when divided by 6, 15 and 18 leaves the remainder 5 in each case.</div>	3										
27	<div>Find the value by using distributive property</div> <div>$327 \times 62 + 327 \times 37 + 327$</div> <div>OR</div> <div>A student multiplied 7263 by 89 instead of multiplying by 98. How much was the correct answer greater than his answer?</div>	3										
28	<div>The HCF and LCM of two numbers are 134 and 1989 respectively. If one of the numbers is 117, determine the other number.</div>	3										
29	<div>Simplify the following numerical expression:</div>	3										

	$18 - 3 - [17 - (3 \times 10 \div 2)]$	
30	Which least number should be subtracted from 1000 so that the difference is exactly divisible by 35?	3
31	Compute : $5^2 \times (-1)^{15} \times (-2)^4$	3
<p style="text-align: center;">Section D (This section comprises a long answer type (LA) of 4 marks each.)</p>		
32	<p>Look at the given figure and answer the questions from below.</p> <p>(A) A pair of parallel lines _____</p> <p>(B) A pair of intersecting lines _____</p> <p>(C) Lines whose point of intersection is P _____</p> <p>(D) Any 4 collinear points _____, _____, _____, _____</p> 	4
33	<p>Answer the following questions based on the given diagram.</p>  <p>(A) Write another name for $\angle 2$.</p> <p>(B) What is the vertically opposite angle of $\angle 3$?</p> <p>(C) Write one linear pair.</p> <p>(D) If $\angle 1 = 45^\circ$ then find the measure of $\angle 4$.</p>	4
34	<p>The line p is transversal to l and m in the given figure. Identify the following:</p> <p>(A) Angle corresponding to $\angle 7$.</p> <p>(B) Angle alternate to $\angle 7$.</p> <p>(C) Angle corresponding to $\angle 2$.</p> <p>(D) A pair of interior angles on the same side.</p> 	4

<p style="text-align: center;">Section E (This section comprises 4 questions of 5 marks each.)</p>		
35	<p>(A) Four bells toll at intervals of 6, 9, 12, and 15 minutes. If they all toll together at 2:00 p.m., at what time will they toll together again?</p> <p>(B) Can two numbers have 12 as HCF and 2880 as LCM? Why?</p>	5
36	<p>Using the grid given below, find the values of A, B, C, and D and hence find the value of $A+B+C+D$.</p> <div style="text-align: center;"> </div> <p style="text-align: center;">OR</p> <p>Do as directed:</p> <p>(A) Compare : $-25 - 42$ and $-42 - (-25)$</p> <p>(B) Simplify : $234 \times (-55) + 234 \times (-43) + 234 \times (-2)$</p>	5
37	<p>(A) If a bicycle wheel has 48 spokes, then find the angle between a pair of adjacent spokes.</p> <p>(B) Find the measure of an angle turned by the minute hand of a clock from digit 2 to 7.</p> <p>(C) Count the number of angles formed in the given figure. Name any two of them.</p> <div style="text-align: center;"> </div>	5
38	<p>(A) The number of chairs sold by a shopkeeper during 6 months are given below. Choose an appropriate scale and draw a bar graph using the given data.</p>	5

Months	January	February	March	April	May	June
Number of chairs sold	40	50	60	20	30	40

(B) In which month maximum chairs were sold?

OR

The number of ATMs of different banks in Hyderabad city is shown below.

Name of the bank	Number of ATMS
State Bank of India	35
ICICI bank	30
Vijaya Bank	10
Dena Bank	15
Citibank	5
HSBC	5

(A) Draw a bar graph to represent the above information by choosing the appropriate scale.

(B) How many total ATMs are there in Hyderabad?