INDIAN SCHOOL SALALAH

FIRST TERM EXAMINATION – SEPTEMBER 2025

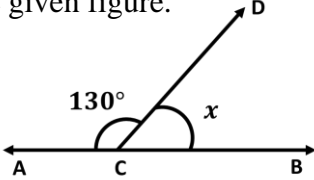**Class: VII**   **MATHEMATICS (041)**   **Date: 21/09/2025**

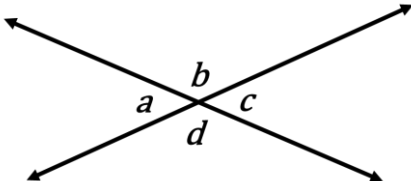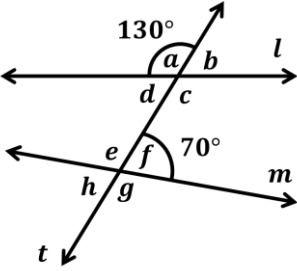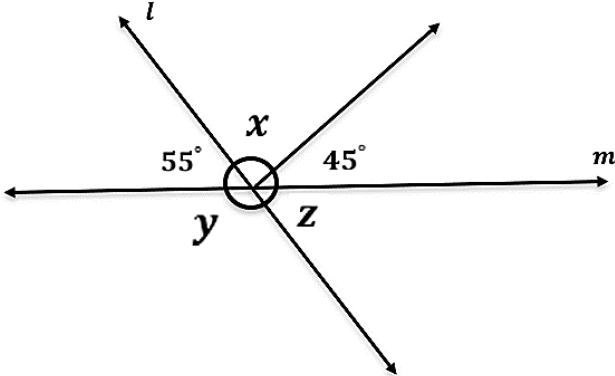**Time: 3 hours**   **Maximum Marks: 80**

General Instructions:

a) All questions are compulsory.

b) This question paper consists of 30 questions divided into 5 sections.

c) Section A contains 6 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each. Section D contains 7 questions of 4 marks each and section E contains one case study question of 4 marks.

d) Internal choices have been provided in Section C and Section D. You have to attempt only one of the choices in such questions.

NO	SECTION A	MARKS
1	$(-55) + \ldots\ldots = -89$ a) 34 b) -33 c) -34 d) 33	1
2	$25.4 \times 1000 = \ldots\ldots$ a) 240 b) 24 c) 25400 d) 2540	1
3	If $4x + 6 = 14$ then value of $x = \ldots..$ a) -2 b) 2 c) 3 d) -3	1
4	The sum of the interior angles on the same side of the transversal always adds up to ………. a) 90^0 b) 270^0 c) 150^0 d) 180^0	1
5	A triangle that has two of its sides of equal length is called ……………... a) Equilateral triangle b) Isosceles triangle c) Right triangle d) Scalene triangle	1
6	Take away 8 from 3 times a number m you get 28. a) $3m - 8 = 28$ b) $3m + 8 = 28$ c) $3m + 28 = 8$ d) $3m - 28 = 18$	1

	SECTION B	
7	Simplify: $[(-48)\div 12] \div 2$.	2
8	Find: $25.5 \div 0.5$.	2
9	The thickness of 15 notebooks is 22.5 cm. Find the thickness of one notebook.	2
10	Check whether $x = 8$ is the solution of the equation $2x - 6 = 12$.	2
11	Find the value of x in the given figure.	2
12	Draw a pair of parallel lines using a ruler and a set square.	2
	SECTION C	
13	A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins? **OR** Verify that $a \div (b + c) \neq (a \div b) + (a \div c)$ for each of the values of $a = (-12)$, $b = 2$, $c = 2$	3
14	a) Write down a pair of integers whose sum is -3. b) Verify: $(-5) \times [(-8) + 9] = [-5 \times (-8)] + [(-5) \times 9]$	3
15	Solve: i) $\dfrac{7.75}{0.25}$ ii) 4.68×3.5	3
16	Ram thinks of a number and subtracts 23 from thrice the number, the result is 7. Find the number.	3
17	Solve the equations: i) $-3(p + 4) = 12$ ii) $8m - 5 = 35$	3
18	Solve: i) $2\dfrac{1}{5} \div 1\dfrac{1}{5}$ ii) $3\dfrac{4}{7} \times \dfrac{3}{5}$	3
19	Construct triangles having the side lengths $3\ cm$, $4\ cm$ and $5\ cm$.	3
20	Find the values of $\angle b$, $\angle c$ and $\angle d$, if the measure of $\angle a$ is 23^0.	3

21	In Figure, lines l and m are intersected by the transversal t. If $\angle a$ is 130^0 and $\angle f$ is 70^0, are lines l and m parallel to each other? Give reason.	3
22	Construct a triangle ABC with AB = 5 cm, AC = 4 cm and $\angle A = 45^0$.	3
	SECTION D	
23	In a test $(+5)$ marks are given for every correct answer and (-3) marks are given for every incorrect answer. Manisha answered all the questions and scored 20 marks though she got 10 correct answers. How many incorrect answers she had attempted?	4
24	Solve: i) $[84 \div (-12)] \div 7$ ii) $(-5) \times (-3) \times (-4) \times (-6) \times (-7)$	4
25	Solve: i) A car covers a distance of 86.4 km in 2.4 hours. What is average distance covered by it in 1 hour? ii) a) $26.3 \div 1000$ b) 0.08×100	4
26	Solve: i) $3 \times 6\frac{3}{4}$ ii) $\frac{5}{8}$ of $3\frac{5}{6}$	4
27	Solve: i) $\frac{20p}{3} = 40$ ii) $2q + 6 = 12$ **OR** Virat scored twice as many runs as Rohit. Together, their runs fell two shorts of a double century. How many runs did each one score?	4
28	Construct a triangle for the following measurements 120^0, 6cm, 30^0.	4
29	Let l and m are two lines. Find the values of x, y and z.	4

		SECTION E	
30		**Case Study**	
		Subhash and Neethu donates some money in a Flood Relief fund. The amount paid by Subhash is ₹ 567 more than that of Neethu. If the total money donated by them is ₹ 1245.	
		Based on the above information answer the following questions:	
		a) If the total amount of money donated by Subhash and Neethu is ₹1245, how can this be expressed as an equation?	2
		b) How much money did Neethu donate?	1
		c) How much money did Subhash donate?	1

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