INDIAN SCHOOL SALALAH

FIRST TERM EXAMINATION – SEPTEMBER 2025

Class: VII   **MATHEMATICS (041)**   **Date: 21/09/2025**
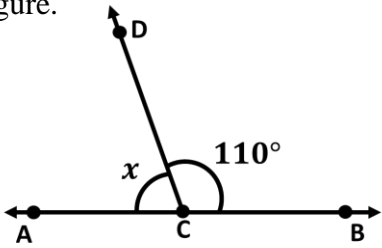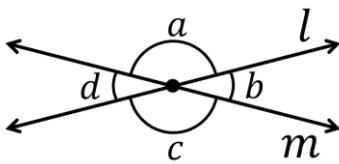
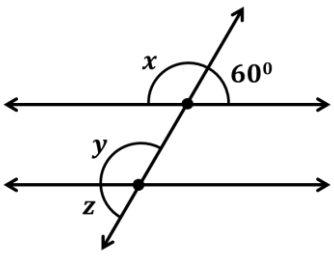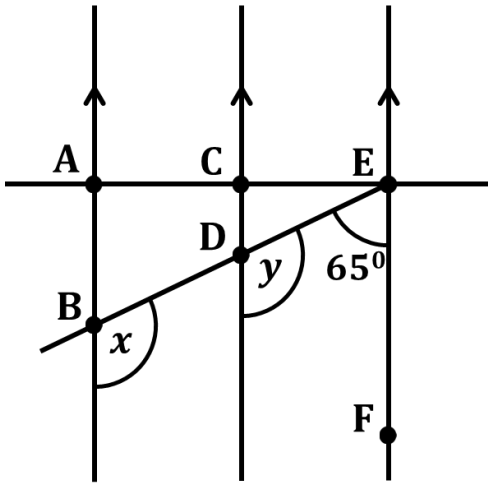**Time: 3 hours**   **Maximum Marks: 80**

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	$(-7586) \div$ ………. $= -1$ a) -7586 b) 7586 c) 1 d) -1	1
2	The ……………… of a fraction is obtained by interchanging its numerator and denominator. a) sum b) reciprocal c) half d) product	1
3	Add 7 to a number, you get 21. Find the number. a) 3 b) 147 c) 14 d) 28	1
4	A line that cuts two or more lines at distinct points is called a …………… a) ray b) perpendicular c) parallel d) transversal	1
5	The first step you will use to separate the variable of the given equation $y - 7 = 9$ is a) add 7 on both the sides b) add 9 on both the sides c) subtract 7 on both the sides d) subtract 9 on both the sides	1
6	A triangle that has two of its sides of equal length is called ……………... a) Scalene triangle b) Isosceles triangle c) Equilateral triangle d) Right triangle	1

	SECTION B	
7	Write down a pair of integers whose a) sum is 0. b) difference is –6.	2
8	Write the following statements in the form of equations. a) The sum of the numbers x and 12 is 21. b) Take away 7 from 3 times a number m you get 26.	2
9	Multiply and reduce to lowest terms: $6\frac{3}{5} \times \frac{5}{7}$	2
10	Find the value of x in the given figure. 	2
11	Multiply: 5.7×9.2	2
12	Draw a line 'l', take any point 'A' above it. Draw a line parallel to 'l' passing through the point 'A'. (Using ruler and setsquares)	2
	SECTION C	
13	Construct triangles having the side lengths 3 cm, 5 cm and 7 cm. (Label it)	3
14	List any two of the linear pairs and the vertically opposite angles you observe in the given figure. 	3
15	Verify: $(-7) \times [(-8) + 9] = [-7 \times (-8)] + [(-7) \times 9]$ **OR** Find the value of each of the following products. a) $(-4) \times 15$ b) $(-25) \times (-30)$ c) $(-5) \times (-2) \times (-7)$	3
16	Solve the following equation: $7(y - 1) + 3 = 17$	3

17	Fill in the blanks: a) $5.2 \times 10 = $ .... b) $2.14 \times 1000 = $ .... c) $93.57 \times 100 = $ ……..	3
18	a) Write the following equation in the statement form: $4n = 20$ b) Check whether $x = 4$ is the solution of the equation $5x - 8 = 12$.	3
19	Evaluate the following: a) $39 \div (-13)$ b) $(-144) \div (-12)$ c) $[28 \div (-2)] \div 7$	3
20	Construct a triangle ABC with AB = 6 cm, AC = 3 cm and $\angle A = 50^0$.	3
21	Find the value and reduce to lowest terms: $5\frac{5}{6} \div 2\frac{1}{3}$	3
22	Find the missing angles marked for the given set of parallel lines. 	3
	SECTION D	
23	Construct a triangle with the following measurements 100^0, 5 cm, 40^0. (Label it)	4

24	a) In a test $(+5)$ marks are given for every correct answer and (-2) marks are given for every incorrect answer. Romana answered all the questions and scored 40 marks though she got 10 correct answers. How many incorrect answers she had attempted?
	
	b) Fill in the blanks:
	
	  i) …………………… is the additive identity of integers.
	
	  ii) …………………... is the multiplicative identity of integers.
		4

25	a) Set up an equation: When I add 4 to six times a number, I get 28. b) Tony scored twice as many runs as Kohli. Together they scored 5 short of double century. How many runs did each score?	4

	OR	
	a) Johny's father is 80 years old. He is 5 years older than three times Johny's age. What is Johny's age? b) Set up an equation: A number when divided by 9 gives the quotient 5.	4

26	Divide: a) $58.9 \div 10$
	
	        b) $264.7 \div 1000$
	
	        c) $58.75 \div 5$
		4

27	a) In Figure, AB is parallel to CD and CD is parallel to EF. Also, EA is perpendicular to AB. If $\angle BEF = 65°$, find the values of x and y. (Give reasons) b) One of the angles forming a linear pair is an obtuse angle. What kind of angle is the other?	4

28	a) Find the area of a rectangle whose length is $4\frac{5}{7}$ m and breadth is $\frac{7}{11}$ m.
	
	b) State *True* or *False* for each of the following statements:
	
	  i) 1 is only one number which is its own reciprocal.
	
	  ii) $78.6 = \frac{786}{100}$
		4

29	a) An air conditioner cools the room at the rate of 3^0C per hour. If at the starting, the temperature of the room is 30^0C, find the number of hours it takes to bring down the room temperature to 18^0C.
	
	b) State the properties of integers represented by the following statements.
	
	  i) $(-53) \times 6 = 6 \times (-53)$
	
	  ii) $(4 \times 9) \times 5 = 4 \times (9 \times 5)$
		4

		SECTION E	

30	**Case Study**
	
	Rose and Mary are friends. Rose has x marbles and Mary has 43 marbles. The number of marbles Mary has is 3 less than twice the number of marbles Rose has.
	
	Based on this information answer the following questions:
	
	    a) Write the equation that represents the given condition.
	    b) Solve the equation to find the number of marbles Rose has.
	    c) Find the total number of marbles Rose and Mary have together.
			1
			
			2
			
			1

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