

## INDIAN SCHOOL SOHAR TERM I EXAMINATION (2023-24) MATHEMATICS

MAX. MARKS: 80 TIME: 3 HOURS

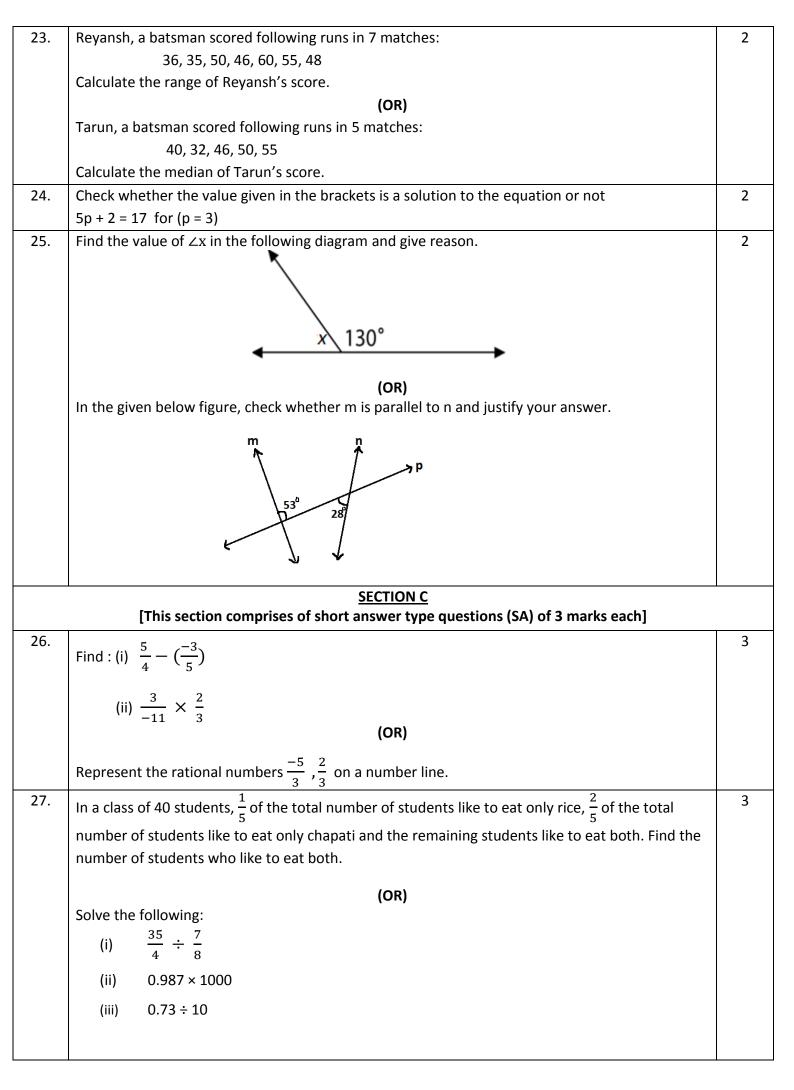
## CLASS: VII DATE: 21/09/2023

## **General Instructions:**

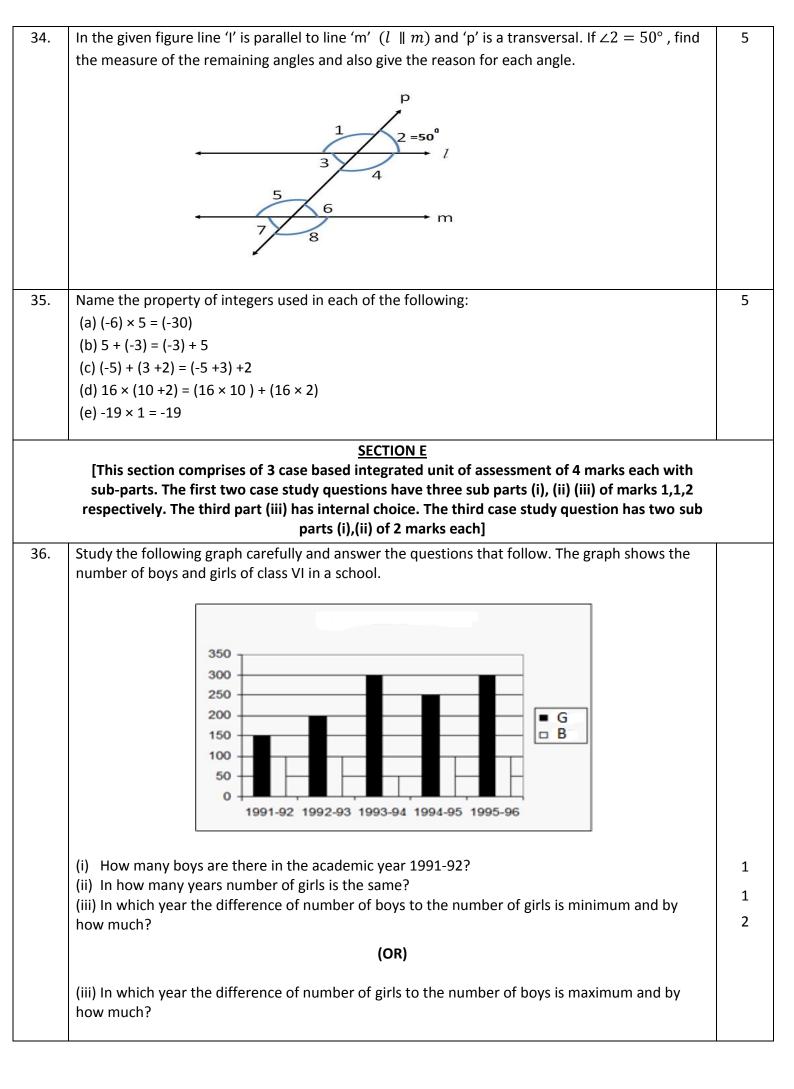
- 1. This Question paper contains- five sections **A**, **B**, **C**, **D** and **E**. Each section is compulsory. However, there are internal choices in some questions.
- 2. Section A has 18 multiple choice questions (MCQs) and 2 Assertion Reason based questions of 1 mark each.
- 3. Section B has 5 Very Short Answer (VSA) type questions of 2 mark each.
- 4. Section C has 6 Short Answer (SA) type questions of 3 mark each.
- 5. Section D has 4 Long Answer (LA) type questions of 5 mark each.
- 6. Section E has 3 case based integrated unit of assessment of 4 marks each with sub-parts.

<u>SECTION - A</u> (Multiple Choice Questions)							
Each question carries 1 mark							
Q.No.			Questions		Marks		
1.	The product of (-2), (a) 24	(-3) and (-4) is : (b) (-24)	(c) 9	(d) (- 10)	1		
2.	To divide a decimal	)	1				
	(a) left by 1 place	(b) right by 1 place	(c) left by 2 places	(d) same place			
3.	The mode of the da	ta 3, 14, 16, 12, 14, 16	5, 14, 12, 10, 18, 5, 14 is	:	1		
	(a) 12	(b) 14	(c) 16	(d) 10			
4.	Form the equation:	"The sum of one-third	d of <i>y</i> and 10 is 4"		1		
	(a) $y + 10 = 4$	(b) $\frac{y+10}{3} = 4$	(c) $\frac{y}{3} + 10 = 4$	(d) $y + 4 = \frac{10}{3}$			
5.	Two angles are calle	ed supplementary ang	gles if the sum of their n	neasures is :	1		
	(a) 180 <sup>0</sup>	(b) 45 <sup>0</sup>	(c) 90 <sup>0</sup>	(d) 360 <sup>0</sup>			
6.	The reciprocal of ( -	$-\frac{7}{2}$ ) is :			1		
	(a) 0	(b) 1	(c) $\left(-\frac{2}{7}\right)$	(d) $\frac{7}{2}$			
7.	Which of the following fractions represents the given picture?						
	(a) $3 \times \frac{2}{5}$	(b) $3 \times \frac{2}{4}$	(c) $3 \times \frac{1}{4}$	(d) $3 \times \frac{1}{5}$			
8.	The solution of 4 + i	m = 24 is:			1		
	(a) 20	(b) (–20)	(c) 28	(d) (-28)			
9.	The product of a rat	ional number and its	multiplicative inverse is	s :	1		
	(a) 0	(b) 1	(c) (-1)	(d) Does not exist			

	The integer $\Gamma$ more than (4) is :					
10.	The integer 5 more than (-4) is :           (a) 9         (b) 1         (c)	c) (—1)	(d) 9	1		
11.				1		
11.	The following are the number of goals scored by a team in a series of 11 football matches. 2, 4, 7, 6, 2, 3, 4, 6, 7, 6, 8. The median of the scores is:					
		c) 5	(d) 6			
12.	If 2 parallel lines are intersected by a transver	•		1		
	(a) equal (b) linear pair (c)	complementary	(d) supplementary			
13.						
	The standard form of $\frac{16}{-64}$ is :					
	(a) $\frac{3}{4}$ (b) $\frac{1}{4}$ (c)	c) $\frac{1}{2}$	(d) $\left(\frac{-1}{4}\right)$			
14.	The complement angle of the given figure is :	<u> </u>	P 7	1		
	(a) $54^{\circ}$ (b) $144^{\circ}$ (c) $90^{\circ}$	(d)270 <sup>0</sup>	36°			
			Q R			
15.	The sum of 3p and 5p is $(-40)$ , the value of p			1		
		c) 8	(d) (-8)			
16.	The value that occurs most frequently in a give			1		
	(a) mode (b) mean (d	c) median	(d) range			
17.	2.7 × 12 =			1		
	(a) 44.8 (b) 5.13 (	c) 32.4	(d) 25.54			
18.	Which of the following integers give their sur	. ,		1		
	(a) 10, $(-3)$ (b) $(-5)$ , $(-2)$ (	c) 8, 0	(d) (-8), (-1)			
	Assertion - Reason Based Questions					
	In the following questions, a statement of Assertion(A) is followed by a statement of Reason (R).					
	Choose the correct answer out of the following choices.					
	(a) Both Assertion (A) and Reason (R) are true and Reason(R) is the correct explanation of Assertion(A).					
	(b) Both Assertion(A) and Reason(R) are true and Reason(R) is not the correct explanation of Assertion(A).					
	(c) Assertion (A) is true but the Reason(R) is false.					
	(d) Assertion(A) is false but Reason (R) is true.					
		2.				
19.	Assertion (A): The complement of 15° is 75°.					
	<b>Reason (R):</b> Two angles are said to be complementary if the sum of their measures is 90°.					
20.	Assertion (A): Closure property is not applicable to division operation of integers.					
	<b>Reason (R): (</b> $-5$ ) × ( $-7$ ) = ( $-7$ ) × ( $-5$ ) is a closu					
	<u></u>	ECTION B		L		
	[This section comprises of very short a	<i></i>	· · · · ·	_		
21.	The temperature of Delhi which was 45°C fell	by 2°C each day for	a week. What is the	2		
	temperature after one week?					
22.	$\frac{5}{5} \times 2 \frac{7}{5}$			2		
	Find $\frac{1}{9} \times 2\frac{1}{10}$					



28.	t t						3	
	Solve the equation $\frac{1}{4}$ + 3	3 = 27	. –	-)				
				PR)	2			
	Priyal studied for 5 hours, 3 hours and 7 hours respectively on 3 consecutive days. Calculate the mean hours that she studies daily on an average?							
29.	The monthly income of eight families in a village are 21500, 21300, 21200, 21000, 21600, 21000,							
	2000 and 21500.Find the median income of the families.							
30.	The monthly consumption of rice by a family is 12.5kg. How much rice is consumed by the family in two years?						mily 3	
31.	If a and b are parallel ine	es and n is a tr	ansversal,		7	n A	3	
	find the measure of X a	nd Y from the	following	←		<b>→</b> a		
		figure and also give the reason.						
				←	<u> </u>	→p		
			SECT	ON D	•			
	[This section of	comprises of l			stions (LA) of 5 n	narks each]		
32.	Draw a double bar graph	n for the list of	number o	f students	of class VI and cl	ass VII playing	5	
	different sports given be	elow:						
	Name of the Sport	Cricket	Bad	minton	Basketball	Football		
	Class VI	20		10	16	15		
	Class VII	16		13	14	12		
	(OR)							
	The different colours of balloons used for a stage decoration are given below. Represent the							
l			for a stage	edecoratio	-	v. Represent the		
	given data on a bar grap	h and answer	for a stage the follow	e decoratio ing questio	ons:			
	given data on a bar grap Colour	h and answer Red	for a stage the follow <b>Green</b>	e decoratio ing questio Blue	Yellow	Orange		
	given data on a bar grap	h and answer	for a stage the follow	e decoratio ing questio	ons:			
	given data on a bar grap Colour Number of	h and answer Red 40	for a stage the follow <b>Green</b> 20	e decoratio ing questio Blue	Yellow	Orange		
	given data on a bar grap Colour Number of balloons	h and answer Red 40 preferred color	for a stage the follow <b>Green</b> 20 ur?	e decoratio ing questio Blue 55	Sins: Yellow 50	Orange 35		
33.	given data on a bar grap Colour Number of balloons (i) Which is the most p	h and answer Red 40 oreferred color ue colour ballo	for a stage the follow <b>Green</b> 20 ur? pons are us	e decoratio ing questio <b>Blue</b> 55 sed than Or	range colour ball	Orange 35	5	
33.	given data on a bar grap Colour Number of balloons (i) Which is the most p (ii) How many more Blu The length of a rectangu	h and answer Red 40 vreferred color ue colour ballo	for a stage the follow <b>Green</b> 20 ur? cons are us ce its bread	e decoratio ing questio <b>Blue</b> 55 sed than Or	range colour ball	Orange 35	5	
33.	given data on a bar grap Colour Number of balloons (i) Which is the most p (ii) How many more Blu The length of a rectangu (i) Find Length a (ii) Find the period	h and answer Red 40 vreferred color ue colour ballo lar field is twic and breadth of meter of the re	for a stage the follow <b>Green</b> 20 ur? cons are us ce its bread	e decoratio ing questio <b>Blue</b> 55 sed than Or dth. If the p	range colour balle	Orange 35		
33.	given data on a bar grap Colour Number of balloons (i) Which is the most p (ii) How many more Blu The length of a rectangu (i) Find Length a	h and answer Red 40 vreferred color ue colour ballo lar field is twic and breadth of meter of the re	for a stage the follow <b>Green</b> 20 ur? ce its bread the field. ectangular	e decoratio ing questio <b>Blue</b> 55 sed than Or dth. If the p field if the	range colour balle	Orange 35 Dons?		
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33.	given data on a bar grap Colour Number of balloons (i) Which is the most p (ii) How many more Blu The length of a rectangu (i) Find Length a (ii) Find the perin is increased b Write statements for the	h and answer Red 40 oreferred color ue colour ballo lar field is twic and breadth of meter of the ro by 2 meters.	for a stage the follow <b>Green</b> 20 ur? ce its bread the field. ectangular (C	e decoratio ing questio Blue 55 eed than Or dth. If the p field if the <b>R</b> )	range colour balle	Orange 35 Dons?		
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37.	Study the following table carefully which shows the account of a shopkeeper profit and loss from the sale of certain items and answer the questions that follow.					
	Name of Items	Profit (🛛)	Loss (🛛)			
		150				
	Rice		250			
	Black pepper 2	225				
	Wheat 2	200				
	Groundnut oil		330			
	<ul> <li>(i) Write the amount of profit for mustard oil with</li> <li>(ii) Write the amount of loss for groundnut oil with</li> <li>Find profit or loss from the sale of above listed i</li> <li>(OR)</li> </ul>	n appropri items and	ate sign.	1 1 2		
38.	(iii) Arrange the items in ascending order according	-				
50.	38. A quiz is conducted for 9 students in a class and Priya has recorded their scores as rational numbers and represented on a number line.Observe the following number line and answer the questions that follow.					
	-1 -3/4 -2/4 -1/4 0 B Z Y X O	P C	1 R A			
	(i) Find the sum of scores of students R and B.			2		

\*\*\*\*THE END\*\*\*\*