



**HALF YEARLY EXAM (2025-26)**  
**CLASS – VII**  
**MATHS**

Time Allowed: 3 Hours

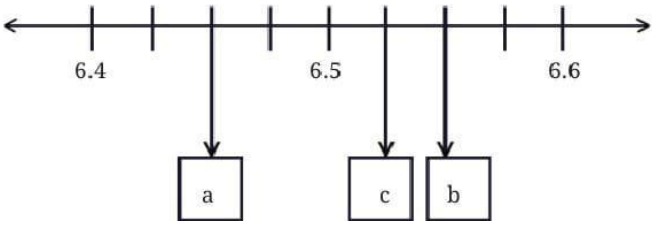
Maximum Marks: 80

General Instructions:

1. This Question Paper contains 4 pages and 40 questions. It has 4 Sections A, B, C, and D.
2. Section A consists of 20 questions of 1 mark each, Section B consists of 8 questions of 2 marks each. Section C consists of 8 questions of 3 marks each and Section D consists of 4 questions of 5 marks each.
3. All questions are compulsory.
4. Use of calculators and correction fluid is strictly prohibited.
5. 15 minutes time has been allotted for reading the question paper. No answer should be written in the answer booklet or question paper during this time.

<b>Section – A</b>		
<b>Multiple Choice Questions</b>		
1.	The value of $(-5)+7$ is a) 12.            b) -12.            c) 2.            d) -2	1
2.	$2 - 0.7 = ?$ a) 1.3            b) 1.5            c) 2.03            d) none of these	1
3.	$6/25 = ?$ a) 2.4            b) 0.24            c) 0.024            d) none of these	1
4.	$\frac{3}{8}$ is an example of a) a proper fraction            b) an improper fraction c) a mixed fraction            d) none of these	1
5.	The decimal representation of $\frac{1}{4}$ is a) 0.25.            b) 0.4.            c) 0.5.            d) 0.75	1
6.	Which is the smallest integer? a) 0.            b) -1.            c) 1.            d) -10	1
7.	4 more than -5 is a) 9            b) -9            c) -1            d) 1	1
8.	25 can also be expressed as- (a) 2 tenth and 5 hundredth    (b) 25 tenth    (c) 25 thousandth    (d) none of these	1

9.	The successor of -18 is? a) -19          b) -17          c) 17          d) 19	1
10.	The sum of two integers is -13. If one of them is 8 then the other is a) -5          b) -21          c) 21          d) none of these	1
<b>True or false?</b>		
11.	$(-7) + (-9) + 12 + (-16) = -20$	1
12.	The place of 7 in 68.097 is hundredth.	1
13.	Additive inverse of -5 is -10.	1
14.	The sum of two odd numbers is always odd	1
15.	1 mL = 100 km.	1
<b>Answer in one word.</b>		
16	Which number has no predecessor?	1
17	The set of positive numbers, negative numbers and zero .	1
18	If a number has 0 at one's place it will always be divisible by which number?	1
19	Expression for " twice of five more than thrice a number " _____	1
20	twenty five tens fourteen ones 32 tenths 19 hundredths = _____	1
<b>Section - B</b>		
<b>Very Short Answer:</b>		
21.	Express $\frac{3}{4}$ as decimal.	2
22.	Using all digits from 0-9 exactly once create a 10- digit number, write the a) Largest multiple of 5 b) Smallest even number.	2
23.	Form and evaluate the expression: Riya reads 8 pages each day for 5 days, then skips 3 pages. a. Write the expression. b. Identify its terms.	2
24.	(i) Express $\frac{36}{7}$ as mixed fraction (ii) Express $10\frac{3}{5}$ as improper fraction	2
25.	Find the equivalent fraction of $\frac{3}{5}$ having a) Numerator 27          b) Denominator 30	2
26.	Find the product of the first five prime numbers.	2

27.	Write an expression for: "The sum of twice a number and 9 is multiplied by 3."	2
28.	Solve the following: (i) $(-15) \times 8 + (-15) \times 4$ (ii) $[32 + 2 \times 17 + (-6)] \div 15$	2
<b>Section - C</b>		
<b>Short Answer</b>		
29.	A calculator has only '+1,000', '+100', and '+10' buttons. Write an expression describing the number of button clicks to be made for the following numbers: a) 2,140      b) 10,500      c) 7,53,020	3
30.	Write the given numbers as the sum of tenths, hundredths and thousandths i) 0.504.      ii) 0.093.      iii) 0.951	3
31.	A rectangular garden is $(x + 5)$ m long and $(x - 3)$ m wide. Write an expression for: i. Perimeter of garden ii. Area of garden	3
32.	What decimal number does each letter represent in the number line below 	3
33.	Kriti bookstore sold books worth ₹2,85,891 in the first week of June and books worth ₹4,00,768 in the second week of the month. How much was the sale for the two weeks together? In which week was the sale greater and by how much?	3
34.	Asha and Samuel have bookshelves of the same size partly filled with books. Asha's Shelf is $\frac{5}{6}$ th full and Samuel's shelf is $\frac{2}{5}$ th full. Whose bookshelf is more full? By what fraction?	4
35.	Using the digits 8,5,9,0 form the decimal i) nearest to 60. ii) nearest to 70 iii) nearest to 100 iv) nearest to 1	4
36.	Write the decimal form of the quantities mentioned below a) 87 ones , 5 tenths and 60 hundredths. b) 10 ones , 10 tenth and 10 hundredths	4
<b>Section - D</b>		
<b>Long Answer :</b>		
37.	During winter, the temperature in Shimla was recorded as follows:	5

	<ul style="list-style-type: none"> <li>● Morning: <math>-3^{\circ}\text{C}</math></li> <li>● Noon: <math>4^{\circ}\text{C}</math></li> <li>● Evening: <math>-5^{\circ}\text{C}</math></li> </ul> <p>a) What is the rise in temperature from morning to noon?  b) What is the fall in temperature from noon to evening?  c) Find the average of the three recorded temperatures.  d) Find the difference between the highest and lowest temperatures.  e) If the next morning the temperature is <math>2^{\circ}\text{C}</math> higher than the previous evening, what will it be?</p>	
38.	<p>Ritika bought the following items from the market:</p> <p>1.5 kg apples at ₹120 per kg  2.25 kg oranges at ₹80 per kg  3.5 kg potatoes at ₹40 per kg</p> <p>a) Find the cost of apples.  b) Find the cost of oranges.  c) Find the cost of potatoes.  d) Find the total amount she paid.  e) If she gave ₹600 to the shopkeeper, how much money did she get back?</p>	5
39.	<p>India's population in 2021 was about <b>1,393,000,000</b>.  China's population was about <b>1,412,000,000</b>.</p> <p>a) Write India's population in words using the Indian place value system.  b) Write China's population in words using the Indian place value system.  c) Find the difference between the populations of China and India.  d) Express the population of India in <b>standard form</b>.  e) Express the population of China in <b>expanded form</b>.</p>	5
40.	<p>A school collected funds for Independence Day celebrations.</p> <ul style="list-style-type: none"> <li>● Each Class 7 student contributed ₹x.</li> <li>● Each Class 8 student contributed ₹(x + 20).</li> <li>● There are 45 students in Class 7 and 50 students in Class 8.</li> </ul> <p>a) Write an expression for the total money collected from Class 7.  b) Write an expression for the total money collected from Class 8.  c) Write an expression for the overall total collected.  d) Find the total amount if <math>x = 50</math>.  e) Find the difference between the total contribution of Class 7 and Class 8 if <math>x = 50</math></p>	5