



INDIAN SCHOOL SALALAH
FIRST TERM EXAMINATION – SEPTEMBER (AY-2024-25)



Roll No.

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Class: VI

MATHEMATICS (041)

Date: 01/10/2024

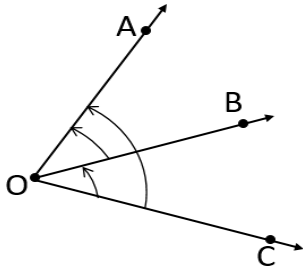
Time: 3 hours

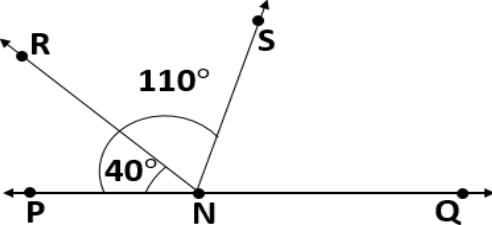
Maximum Marks: 80

General Instructions:

- All questions are compulsory.
- This question paper consists of 30 questions divided into 4 sections.
- 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 8 questions of 4 marks each.

NO	SECTION A	MARKS
1	Place value of 4 in 64,51,089 is _____ a)Four hundred b)Four thousand c)Four lakh d)Four ten lakh	1
2	The predecessor of which of the following numbers is a single-digit number? a)20 b)19 c)99 d)10	1
3	Which of the following pairs of numbers is a twin prime? a)1 and 3 b)15 and 17 c)11 and 13 d) 23 and 29	1
4	The perimeter of a square with a side 5cm long is _____ a)20 cm b)25 cm c)30 cm d)15 cm	1
5	What will be the measure of angle between the hands of a clock when it is 3 o'clock? a)30° b) 60° c) 90° d) 35°	1
6	Which of the following is not a prime number? a)13 b)17 c)97 d)33	1
	SECTION B	
7	State true or false a) The number 15 lies between 14 and 16. b) All whole numbers are natural numbers.	2

8	Write all the factors of 15 and 18. Thus find the common factors of 15 and 18.	2
9	The perimeter of a regular hexagon is 72cm. Find the length of the side of the hexagon.	2
10	a) 1 million = _____ thousand b) Insert commas and write the numeral: Twenty lakh forty-one thousand eighty-seven.	2
11	How many whole numbers are between 39 and 73?	2
12	Using a protractor draw the angle ABC of measure 75° .	2
SECTION C		
13	a) Using the number line find: $9 - 3$. b) Write three whole numbers occurring just before 3800.	3
14	Two sides of a triangle are of length 10cm and 16cm. Its perimeter is 38cm. Find the third side.	3
15	Name the angles marked in the given figure. 	3
16	Using the divisibility rule check whether 40528 is divisible by 2 and 3.	3
17	a) Salini bought a laptop for ₹96,045 and a printer for ₹29,455. How much does she pay in total for the laptop and printer? b) The cost of 25 shirts is ₹11750. Find the cost of one shirt.	3
18	a) Write the successor of 20899. b) Which is the smallest whole number? c) Which of the given pairs of numbers is on the left of the other number on a number line? : 253 and 235	3
19	a) Draw and label an angle with arms XY and XZ. b) Classify the following angle as acute, obtuse, right, or reflex angle. i) 98° ii) 90° iii) 170° iv) 190°	3
20	a) The area of a rectangle is 168 sq cm. If the breadth of the rectangle is 12cm, find its length. b) Fill in the blanks: For painting the wall of a room, we need to calculate its _____ .	3

21	<p>a) Insert commas and write the number in the International System of numeration: 36709215</p> <p>b) Write 8708351 in the expanded form.</p> <p>c) Use the given digits without repetition and make the greatest and smallest five-digit numbers: 1,7,0,8,5</p>	3
22	Find the LCM of 18,24 and 36 using prime factorization.	3
SECTION D		
23	<p>a) Which is the smallest composite number</p> <p>b) State true or false: All prime numbers are odd.</p> <p>c) Using the divisibility rule check whether 592845 is divisible by 11.</p>	4
24	<p>a) In this figure, $\angle PNR = 40^\circ$. What is the measure of $\angle PNS$? What is the measure of $\angle SNR$?</p>  <p>b) Name the type of angle which is less than 90° and greater than 0°.</p> <p>c) How many lines can be drawn through two given points?</p>	4
25	A paint factory produces three different shades of paint in the factory. Pink shade is 60 liters, black colour 210 liters, and 90 liters of grey shade. Find the greatest volume possible for the barrels of equal size in which different paints can be filled without mixing.	4
26	<p>a) Find the perimeter of an equilateral triangle of side 13cm.</p> <p>b) Find the cost of fencing a rectangular park 170 m long and 130 m wide at the rate of ₹15 per meter.</p>	4
27	<p>a) Write the given numbers in ascending order: 8314 ; 81564 ; 8150 ; 18136</p> <p>b) The expanded form of a number is: $70,00,000 + 40,000 + 2,000 + 100 + 8$ Write the number. Also write number name in the Indian System of numeration.</p>	4
28	<p>a) A factory produces 4250 biscuits in a day. How many biscuits will be produced in a month of 25 working days?</p> <p>b) Arushi bought 2 plots of land, one for ₹1,30,425 and the other for ₹2,00,480. By how much was the second plot of land more expensive than the first?</p>	4

29	<p>From the figure, name</p> <p>a) Four rays having O as the initial point.</p> <p>b) The points having exactly two lines passing through it.</p> <p>c) Two lines passing through E.</p>	4
30	<p>Four square flower beds of side 3 m each are dug at 4 corners of a rectangular garden of length 15 m and breadth 12 m. Find the area of the remaining piece of land.</p>	4

