Roll No. | | | | | |

INDIAN SCHOOL SALALAH

SECOND TERM EXAMINATION – FEB-MARCH 2026

Class: VI **MATHEMATICS (041)** **Date: 09-03-2026**

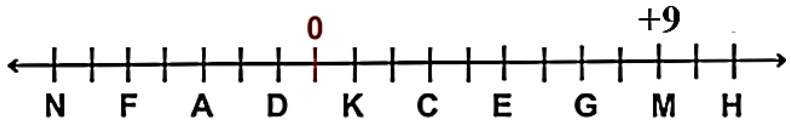
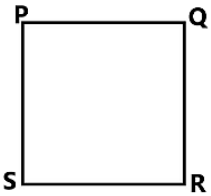
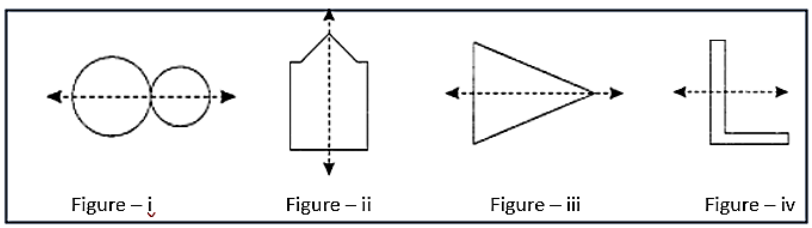
Time: 3 hours **Maximum Marks: 80**

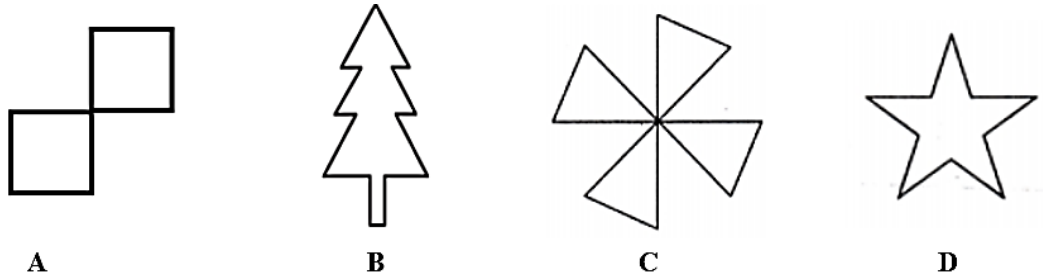
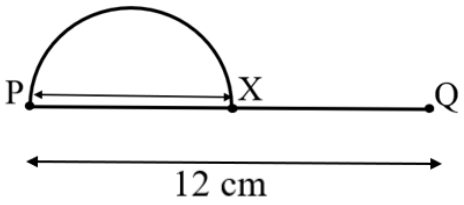
General Instructions:

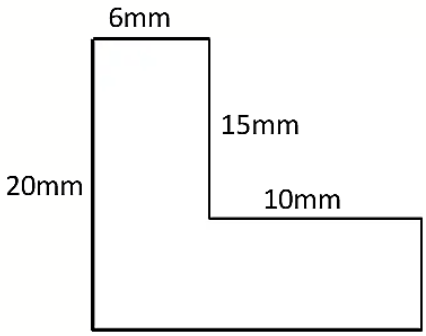
a) All questions are compulsory.

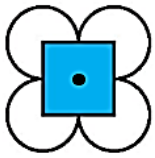
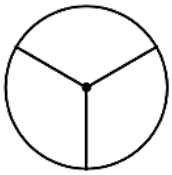
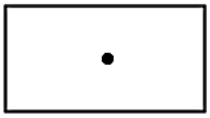
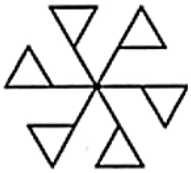
b) This question paper consists of 30 questions divided into 4 sections.

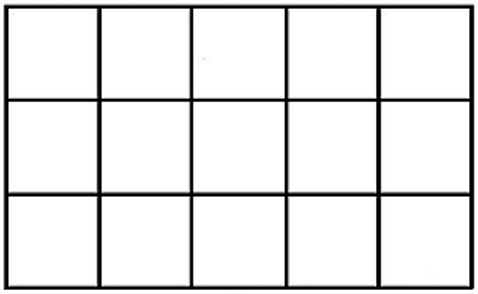
c) Section A contains 6 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each. Section D contains 8 questions of 4 marks each.

NO	SECTION A	MARKS
1	Which among the following is an improper fraction with denominator 9? a) $\frac{1}{9}$ b) $\frac{11}{9}$ c) $\frac{9}{11}$ d) None of them	1
2	The alphabet that gives the integer -7, if M represents +9 on the number line is __.  a) D b) G c) N d) A	1
3	Which of the following is the correct way of naming Square? a) PQSR b) SPRQ c) RSQP d) PQRS 	1
4	In which of the following figures is the dotted line not a line of symmetry.  a) Figure-i b) Figure -ii c) Figure-iii d) Figure – iv	1
5	A circle has: a) No line of symmetry b) One line of symmetry c) Two lines of symmetry d) Infinite lines of symmetry	1

6	Sania visited Leh and Tawang during winter.The temperature of Leh was $-2°C$ while the temperature of Tawang was $-5°C$ on a particular day. Choose the correct answer. a) Leh was cooler than Tawang b) Tawang was hotter than Leh c) Leh was as cool as Tawang d) Tawang was cooler than Leh.	1
	SECTION B	
7	Write all the integers between -4 and 1 in decreasing order.	2
8	On a number line, draw lines of lengths $\frac{3}{5}$ and $\frac{7}{5}$.	2
9	Find the number of lines of symmetry in each of the following shapes.  **A** **B** **C** **D**	2
10	Evaluate: $(-46) + (-127) + (20)$.	2
11	Vasu is designing a triangular shaped tile. Its perimeter is 254 cm. If two sides of this tile are 98 cm and 56 cm, find the length of the third side.	2
12	In the given figure, PQ = 12 cm. If X is the mid-point of $\overline{PQ}$ then, a) What is the length of PX? b) What radius should be taken in the compass to draw this half circle?  	2
	SECTION C	
13	Arrange the fractions in ascending order. $\frac{7}{10}, \frac{11}{15}, \frac{2}{5}$	3
14	a) In a figure if 120° is the smallest angle of symmetry, then find the other angles of symmetry. b) Name the triangle that has three lines of symmetry and three angles of rotational symmetry. c) Can we have a figure with rotational symmetry, whose smallest angle of symmetry is 18°? Give reason.	3

15	a) State two properties of rectangle. b) A rectangle has only one diagonal. State True or False.	3
16	Complete the expressions with proper steps. a) $(-40) + (+200) =$ _____ b) $(-20) - (+100) =$ _____ c) $(-28) +$ _____ $= (-58)$	3
17	By splitting the following figure into rectangles, Find its area. 	3
18	The length of a piece of wire is $\frac{5}{8}$ m and the length of another wire is $\frac{7}{12}$ m. If both are joined together, what is the length of the new wire formed?	3
19	Jane orders a party banner for her brother's birthday party. The length and width of the banner are 128 cm and 70 cm respectively. What is the area of the party banner? Also find the length of the ribbon that needs to be stitched along the boundary of the banner for decoration.	3
20	Answer the following. a) What is the additive inverse of 12? b) Which is the greatest negative integer? c) Write the smallest integer that is greater than every negative integer.	3
21	a) Reduce $\frac{36}{44}$ to the lowest term. b) Find the missing numbers. i) $\frac{2}{5} = \frac{\square}{60}$ ii) $\frac{7}{\square} = \frac{70}{40}$	3
22	a) Find $4 + (-6)$ using number line. b) Fill in the blanks with <, > or = sign. *i*) (-12)____ (-10) ii) 15 _____ 0	3

<table>
<tr><td></td><td>SECTION D</td><td></td></tr>
<tr><td>23</td><td>Four square flower beds, each of side 5 m, are located at the four corners of a piece of land that is 16 m long and 9 m wide. Find the area of the remaining part of the land.</td><td>4</td></tr>
<tr><td>24</td><td>Construct a rectangle in which one of the diagonals divides the opposite angles into 30° and 60°.</td><td>4</td></tr>
<tr><td>25</td><td>Ravish takes $\frac{9}{5}$ minutes to walk across the school ground. Rahul takes $\frac{7}{4}$ minutes to do the same. Who takes less time and by what fraction?</td><td>4</td></tr>
<tr><td>26</td><td>Give the order of rotational symmetry for each figure. Also find the smallest angle of symmetry when each figure is rotated about the marked point.
    
Figure – A Figure – B Figure – C Figure –D</td><td>4</td></tr>
<tr><td>27</td><td>Vimal and Riya decided to include walking as part of their daily exercise routine. Vimal walks around a square park with each side measuring 750 meters, while Riya walks around a rectangular park that is 700 meters long and 600 meters wide. Who covers more distance and by how much if they complete one round?</td><td>4</td></tr>
<tr><td>28</td><td>The table shows the temperatures of five planets.
<table><tr><td>Planet</td><td>Mercury</td><td>Mars</td><td>Uranus</td><td>Venus</td><td>Jupiter</td></tr><tr><td>Temperature</td><td>170℃</td><td>−60℃</td><td>−195℃</td><td>480℃</td><td>−110℃</td></tr></table>a) Which of the given planets is the hottest? Which is the coldest?
b) Arrange the temperatures of the five planets in decreasing order.
c) What is the difference in temperature between Venus and Mercury?
d) The temperature on Saturn is 40℃ higher than the temperature on Uranus. What is the temperature on Saturn?</td><td>4</td></tr>
<tr><td>29</td><td>Construct a rectangle, one of whose sides is 4 cm and the diagonal is 5 cm length. Find the length of the other side of the rectangle.</td><td>4</td></tr>
</table>

30	A rectangle is divided into 15 equal squares.  a) What is the fractional unit? b) What will be the fraction of the shaded part, when only 9 squares are shaded in this figure? c) Write two equivalent fractions of the fraction $\frac{3}{5}$. d) Write the mixed number $6\frac{2}{9}$ as an improper fraction.	4

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