केन्द्रीय विद्यालय संगठन कोलकाता संभाग

KENDRIYA VIDYALAYA SANGATHAN, KOLKATA REGION

सत्रांत परीक्षा / SESSION ENDING EXAMINATION, 2025-26

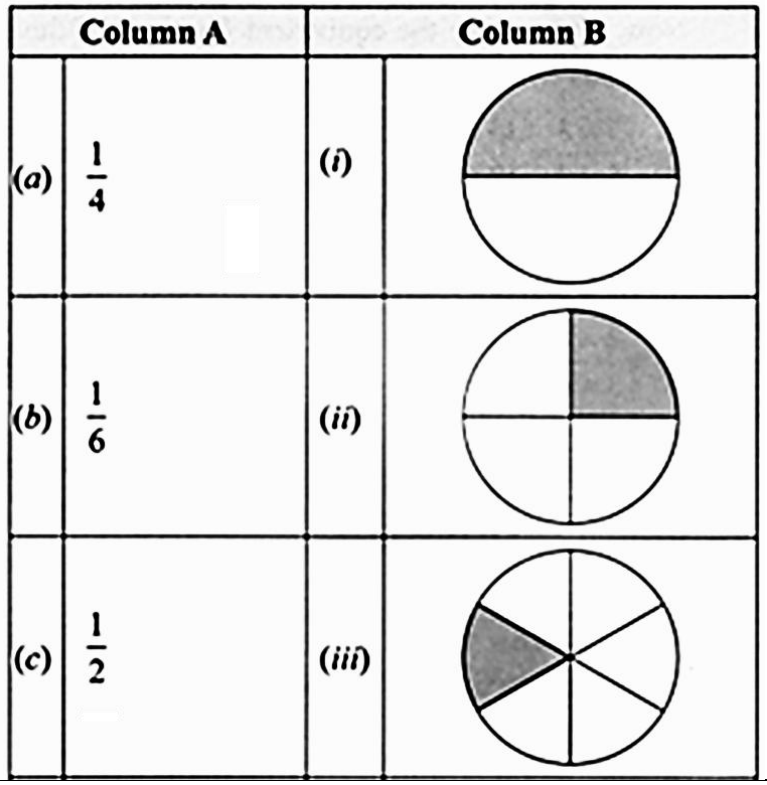
कक्षा / CLASS-VI अधिकतम अंक/Max. Marks: 60

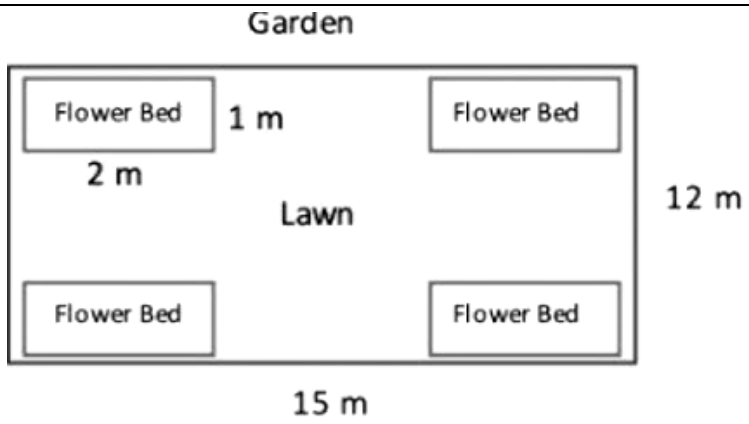
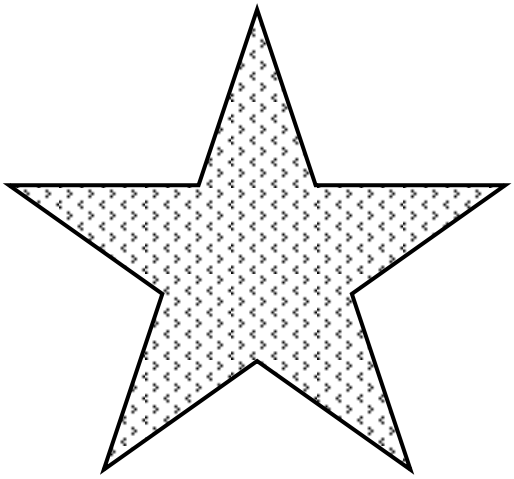
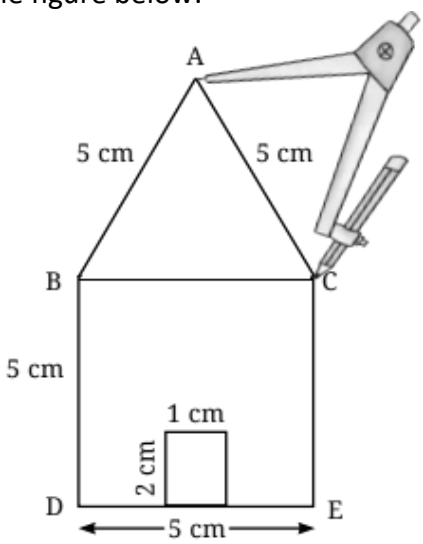
विषय/Sub.: गणित / MATHEMATICS समय/Time: 2 ½ घंटे / Hrs.

GENERAL INSTRUCTIONS:

1. There are 28 questions in all. All questions are compulsory.
2. Section A- 14 MCQs carrying 1 mark each.
3. Section B- 4 questions carrying 02 marks each.
4. Section C- 5 questions carrying 03 marks each.
5. Section D- 3 questions carrying 05 marks each.
6. Section E- 2 questions carrying 04 marks each.

Q.N.	**SECTION – A**	M
1.	If the area of a rectangle is 24cm and length is 6cm, then what is its width? a) 4cm b) 8cm c) 6cm d) 12cm	1
2.	Give a proper fraction whose numerator is 5 and denominator is 7. a) $\frac{17}{5}$ b) $\frac{7}{5}$ c) $\frac{1}{7}$ d) $\frac{5}{7}$	1
3.	The measure of each angle of a rectangle is a) 60^o b) 90^o c) 180^o d) 360^o	1
4.	How many angles of rotational symmetry does letter P has? a) 0 b) 1 c) 4 d) Infinitely many	1
5.	Find the sum of -5 and -10? a) 15 b) -5 c) -15 d) -10	1
6.	How many capital letters of the English alphabet have no line of symmetry? a) 16 b) 13 c) 26 d) 10	1
7.	What is the perimeter of a square of side 5cm? a) 25cm b) $25cm^2$ c) 20cm d) $20cm^2$	1
8.	The simplest form of $\frac{16}{72}$ is _____ a) $\frac{9}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{2}$ d) $\frac{2}{9}$	1
9.	Area of a rectangle = _____ ? a) Length × Breadth b) Length + Breadth c) 2 × (Length + Breadth) d) 2 × (Length × Breadth).	1
10.	Which of the following integers is the smallest? a) -7 b) 5 c) -16 d) 0	1
11.	If the area of a square is 16m², then what is the measure of its one side? a) 8m b) 12m c) 14m d) 4m	1
12.	Which of these makes a whole? a) One half b) Two halves c) 3 halves d) 5 halves	1
13.	If diameter of a circle is 18cm, what is its radius? a) 8cm b) 16cm. c) 9cm d) 36cm	1
14.	Which of the following is the additive inverse of 10? a) -10 b) $\frac{1}{10}$ c) 0 d) $-\frac{1}{10}$	1

	SECTION –B	
15.	Five balls together weigh 1 kg. They are roughly the same size What is the weight of each ball?	2
16.	Draw a square with each side 6cm.	2
17.	How many lines of symmetry do the following English alphabets have? **i)** **H** **ii)** **P**	2
18.	Fill in the boxes with the correct symbol (< or >): i) -10 ☐ 10 ii) - 6 ☐ 0	2
	SECTION –C	
19.	Find the cost of fencing a rectangular park of length 175 m and breadth 125 m at the rate of Rs.12 per meter.	3
20.	Match the following fractions with its pictorial representation.  	3
21.	Construct a rectangle of length 6 m and breadth 4cm.	3
22.	Draw the following and then draw its lines of symmetry. i) A triangle with exactly one line of symmetry. ii) A triangle with exactly 3 lines of symmetry. iii) A triangle with exactly no line of symmetry.	3
23.	Complete these expressions: i) (+60) + _____ = +90 ii) (–40) + _____ = –40 iii) (–20) – (+40) = _____	3

	SECTION –D	
24.	Four flower beds having sides 2m long and 1m wide are dug at the four corners of a garden that is 15m long and 12m wide. i) How much area is now available for laying down a lawn? ii) If each flower bed has to be fenced, what is the total length of the fences of all four flower beds? 	5
25.	Write the following fractions in descending order: $\frac{5}{8}, \frac{9}{16}, \frac{13}{4}, \frac{11}{32}, \frac{7}{16}$	5
26.	Joanna loves art and craft. For Christmas, she used cardboard and golden paper to make the star for the top of her Christmas tree, as shown in the figure below.  i) Draw the star as shown above. Also draw all of its lines of symmetry. ii) Find the smallest angle of symmetry for this star. iii) How many lines of symmetry does the star have?	5
	SECTION –E	
27.	An architect is designing a sample image of a house. He wants to use different shapes like, square, rectangle and triangle. He made the sketch shown in the figure below: 	4

	i) If BDEC is a square, then find the length of EC. ii) Which type of triangle is ΔABC? iii) Construct a bigger house in which all the sides AB, BC, AC, BD, DE and EC are of length 7cm. OR Construct a sketch of your dream house, using ONLY rectangles, triangles and circles.	1 1 2
28	Leh in Ladakh gets very cold during winter. The following is a table of temperature readings taken during different times of the day/night in Leh on a day in November.	4

Temperature	**Time**
14^oC	12:00 p.m
8^oC	3:00p.m
-2^oC	11:00 p.m
-4^oC	3:00 a.m

i) At which times are the temperatures less than 0^oC?
ii) At what time is Leh coldest?
iii) How much did the temperature decrease from 3:00 p.m. to 11:00 p.m.?

OR

How much higher than the 3:00 a.m. temperature is the 12:00 p.m. temperature?

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