PM SHRI KENDRIYA VIDYALAYA SITAPUR

SEE 2024-25

CLASS –VI MATHS

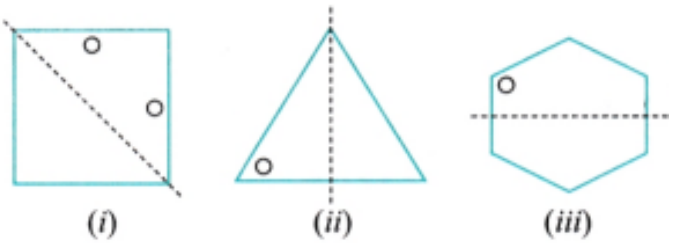
TIME -150MIN **MAX. MARKS:60**

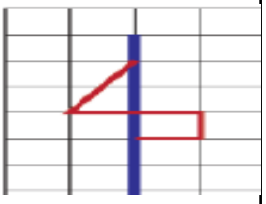
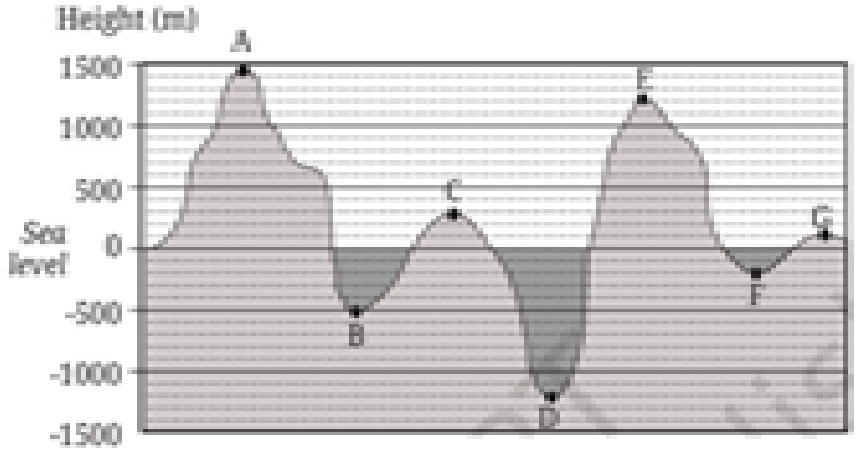
General Instructions:

1. **All questions are compulsory.**
2. **This Question Paper has 5 Sections A - E.**
3. **Section A has 15 MCQs carrying 1 mark each.**
4. **Section B has 3 questions carrying 2 marks each.**
5. **Section C has 4 questions carrying 3 marks each.**
6. **Section D has 3 questions carrying 4 marks each.**
7. **Section E has 1 matching question 2 Case Based question carrying 5 marks each.**

SECTION – A

1	Perimeter of Rectangle is : (a) 2×(l+b) (b) (l+b) (c) l×b (d) l×l	1
2	Length of each side of Hexagon if perimeter is 36 cm : (a) 12cm (b) 24cm (c) 6cm (d) None	1
3	Find 1/3+2/3 (a) 0 (b) 1 (c) 2 (d) None	1
4	How many fractions lie between 0 and 1? (a) Infinite (b) 10 (c) 20 (d) None	1
5	How many lines of Symmetry for butterfly? (a) 2 (b) 3 (c) 1 (d) 4	1
6	A triangle with no line of Symmetry: (a) An equilateral triangle (b) A scalene Triangle (c) An Isosceles triangle (d) None	1
7	Write angle of Symmetry for Letter H (a) 180 (b) 360 (c) 270 (d) 90	1
8	Order of Rotational Symmetry for regular Pentagon is : (a) 2 (b) 5 (c) 4 (d) 6	1
9	(+4)+(-1)= (a) 5 (b) 3 (c) 0 (d) 2	1
10	True/False. -5 > 4	1
11	Complete expression: (+40) +---------- = 200 (a) 40 (b) 100 (c) 200 (d) 160	1

12	How many integers lie between 0 and -7? (a) 6 (b) 4 (c) 5 (d) 8	1
13	We can draw these eyes by using _____  (a) Ruler (b) Protractor (c) Compass (d) None of These	1
14	Which of the following is a fraction equivalent to $\frac{2}{3}$? (a)$\frac{4}{5}$ (b) $\frac{8}{6}$ (c) $\frac{10}{25}$ (d)$\frac{10}{15}$	1
15	An isosceles triangle has (a) one line of symmetry (b) three lines of symmetry (c) two lines of symmetry (d) no line of symmetry	1
	SECTION – B	
14	How many whole units are there in 7/2 ?	2
15	Draw a triangle with exactly three lines of Symmetry.	2
16	Mark 3 positive and 3 negative numbers on Number Line.	2
	SECTION – C	
17	What would be the cost of fencing a rectangular park whose length is 150m and breadth is 120m. If the fence costs Rs 40 per meter?	3
18	Given the line of symmetry, Draw the other hole(s) at appropriate place to complete the figure  (i) (ii) (iii)	3
20	Convert (i) 17/5 into mixed fraction (ii) 8/3 into mixed fraction	3
21	Construct a Rectangle with sides of length of 4 cm and 6 cm.	3
	SECTION – D	
23	(i) Add: 8/5+4/15 (ii) Convert 56/48 into lowest form.	4
24	Draw a wave  pattern using semicircles of radius 2cm	4

25	A rectangular coconut grove is 100 m long and 50 m wide. If each coconut tree requires 25 sq m to grow properly, what is the maximum number of trees that can be planted in this grove?	4
	SECTION – E	
26	**Match the following:** **A** — **B** Perimeter of Rectangle — 3 X SIDE Perimeter of Square — 2 X (LENGTH + BREADTH) Perimeter of Equilateral triangle — LENGTH X BREADTH Area of Rectangle — SIDE X SIDE Area of Square — 4 X SIDE	5
	The teacher and students of a school went to Mumbai for sight-seeing. All were excited to see the beautiful architecture of Gateway of India, flora fountain, The Taj palace, The Victoria terminus etc. They have discussed about the Symmetry found in buildings. The Architects use Symmetry to convey a sense of harmony, beauty and balance. Based on your knowledge of Symmetry answer following questions:  (i) How many lines can be seen in Gateway of India? 1 (ii) What letter of INDIA has no line of Symmetry? 2 (iv) Complete the other part of Symmetrical figure. 2 	
27	Look at the geographical cross-section and fill in the respective heights.  (i) What is the depth of point B from sea level? 1 (ii) Which is the lowest point in this geographical cross-section? 2 (iii) What is the highest point above sea level on Earth and what is its height? 2	