



INDIAN SCHOOL DARSAIT
HALF YEARLY EXAMINATION, SEPTEMBER 2019
SAMPLE PAPER
MATHEMATICS




Class: VI
Date: 2-09-2019

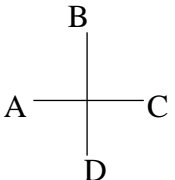
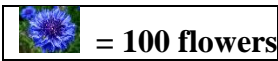



Max. Marks: 80
Time: 3 Hours







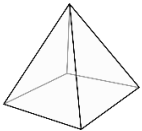

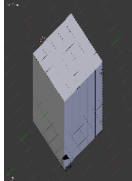
General Instructions:

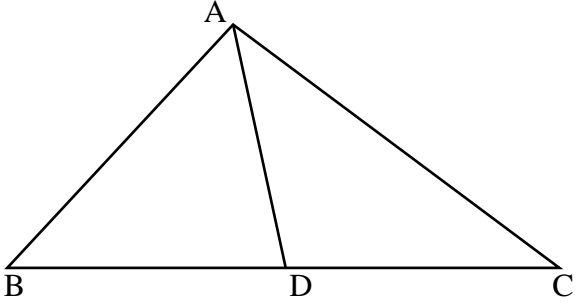
- ❖ All questions are compulsory.
- ❖ The question paper consists of 40 questions divided into 4 sections- A, B, C and D. **Section A** consists of 20 questions of 1 mark each. **Section B** consists of 6 questions of 2marks each. **Section C** consists of 8 questions of 3marks each and **Section D** consists of 6 questions of 4 marks each.
- ❖ There is no overall choice in the question paper.
- ❖ Use of calculator is not permitted.

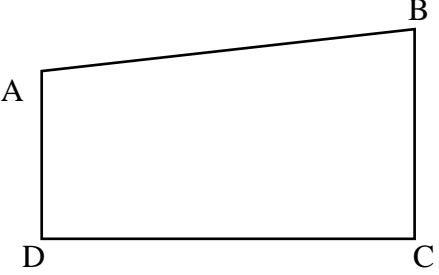
SECTION A Question No. 1 to 20 carry one mark each		
I. Choose the correct answer from the bracket:		
1	The additive identity of a whole number 6 is ----- (0, 1, 6, none of these)	1
2	A perfect number between 20 and 30 is (22, 24, 25, 26)	1
3	If two lines are perpendicular to each other then the angle between them is----- (360°, 0°, 180°, 90°)	1
4	The LCM of the numbers 35 and 50 is (50, 5, 350, 35)	1
5	Name the solid whose bottom face is a circle (cube, cuboid, square prism, cylinder)	1
6	----- is the longest chord of a circle	

	(Radius, Diameter, Arc, Sector)	1
7	Which of the following is divisible by 4 (4378, 3427, 4372, 4382)	1
8	If  represent 25 rabbits, how many such symbols are needed for representing 100 rabbits? (2, 10, 4, 5)	1
9	Which of the following is not an open curve (6, 2, 8, 9)	1
10.	The smallest 5digit number formed using the digits 7, 4, 2, 0, 1 exactly once is (74210, 10247, 1247, 01247)	1
Fill in the blanks:		
11	If the sum of measures of two equal angles is 180° , then each one of them is a/an -----	
12	Two numbers with only 1 as its common factor are called -----	
13	----- is an even prime number	
14	The numerical data recorded in its original form is called -----	
15	----- is a part of a line having one end point only	
III. Write whether true or false:		
16.	Infinite number of lines can be drawn through two given points	
17	The diameter can not be a chord of a circle	
18	Three right angles are swept by the hour hand of a clock when it moves from 1 to 7.	
19	A closed region formed by an arc and a chord joining its endpoints is called a segment.	
20	28436 is divisible by 4	

SECTION B Question No. 21 to 26 carry 2 marks each				
21	Write the largest and the smallest numbers possible, using the digits 7, 0, 2, 5, 8. Find the difference between them.	2		
22	Write with appropriate symbol: (< or >) (i) 9548276 9547286 (ii) 9830451 10032001	2		
23	Find the H.C.F. 48 and 72	2		
24	Draw the factor tree for the factors of 60	2		
25	Test whether 9651323 is divisible by 11	2		
26	Write the direction if: (i) Facing to D moving $\frac{1}{2}$ a revolution clockwise. (ii) Facing to C moving a complete rotation anti clockwise.	 2		
SECTION C Question No. 27 to 34 carry 3 marks each				
27	Estimate the following to nearest hundred (i) 1287 + 9989 (ii) 57,574 – 21,348 (iii) 4893 × 235			
28	Evaluate using appropriate property: (i) 967 × 876 + 124 × 967 (ii) 837 + 208 + 363			
29	Study the pictograph and answer the following questions Our school has decided to decorate with flowers as a part of Onam celebration. The students of various classes brought flowers as below: <p style="text-align: center;">No of flowers brought by students </p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center; vertical-align: middle;">VI</td> <td style="text-align: center;">  </td> </tr> </table>	VI		
VI				

	VII				
	VIII				
	IX				
	X				
	XI				
	XII				
	<p>(i) Which class has brought maximum number of flowers?</p> <p>(ii) Which class has brought minimum number of flowers?</p> <p>(iii) Which of the classes were brought equal number of flowers?</p>				3
30	Find the smallest number when divided by 16, 24, 40 leaves remainder 8 in each case.				3
31	The town newspaper is published every day. One copy has 12 pages. Everyday 11980 copies are printed. How many total pages are printed every day?				3
32	Write the following				
	Qn. No.	Figure	Faces	Vertices	
	(i)				
	(ii)				
	(iii)				
					3

33	<p>From the figure, write down</p> <p>(i) All the three triangles</p> <p>(ii) All the six sides</p>	 <p>3</p>																
34	<p>The heights of students of a class in centimetres is as follows. Prepare a frequency table using tally marks.</p> <p>142 147 145 144 142 146 143 147 146 144</p> <p>142 146 144 144 145 144 142 143 144 142</p> <p>147 144 146 145 145 144 142 143 143 144</p> <p>145 146 147 145 143 142 147 144 145 146</p>	3																
<p>SECTION D</p> <p>Question No. 35 to 40 carry 4 marks each</p>																		
35	<p>Fill in the blanks and also write the corresponding property:</p> <p>(i) $67 + (42 + 78) = (\dots\dots + 42) + 78$</p> <p>(ii) $567 \times 1003 = 567 \times (\dots + 3)$</p> <p>(iii) $6789 \times \dots\dots = 6789$</p> <p>(iv) $459 + \dots = 0 + 459$</p>	4 4																
36	<p>The following data represent the number of toys sold during the days of a week from a toy shop. Draw a pictograph by taking one 😊 as 10 toys</p> <table border="1" data-bbox="196 1543 1450 1765"> <thead> <tr> <th>Days</th> <th>Sunday</th> <th>Monday</th> <th>Tuesday</th> <th>Wednesday</th> <th>Thursday</th> <th>Friday</th> <th>Saturday</th> </tr> </thead> <tbody> <tr> <td>No. of toys</td> <td>140</td> <td>70</td> <td>40</td> <td>90</td> <td>120</td> <td>80</td> <td>150</td> </tr> </tbody> </table>	Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	No. of toys	140	70	40	90	120	80	150	4
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No. of toys	140	70	40	90	120	80	150											
37	<p>Draw a circle and mark the following:</p> <p>(i) Centre (ii) Diameter</p> <p>(i) Sector (iv) Radius other than diameter</p>	4																

38	<p>From the given figure,</p> <p>(ii) Identify the figure</p> <p>(iii) Name two pairs of adjacent sides</p> <p>(iv) Name two pairs of opposite angles</p> <p>(v) Name the two diagonals</p>		4												
39	<p>Three women go out together for their morning walk. Their steps measures 60cm, 75cm and 120cm respectively. What is the minimum distance each should walk so that all of them can cover the same distance?</p>		4												
40	<p>The score obtained by a student of class VI in half – yearly examination is shown below. Draw a bar graph of the data.</p> <table border="1" data-bbox="196 779 1449 947"> <thead> <tr> <th>Subjects</th> <th>Hindi</th> <th>English</th> <th>Mathematics</th> <th>Science</th> <th>Social Science</th> </tr> </thead> <tbody> <tr> <td>Marks in 80</td> <td>80</td> <td>60</td> <td>80</td> <td>50</td> <td>60</td> </tr> </tbody> </table>		Subjects	Hindi	English	Mathematics	Science	Social Science	Marks in 80	80	60	80	50	60	4
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