INDIAN SCHOOL DARSAIT

SAMPLEPAPER 2019-2020

MATHEMATICS

Class: VII
Date: 3/9/2019

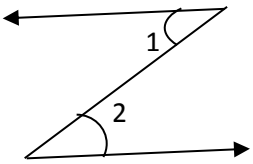
Max. Marks: 80
Time: 3hrs

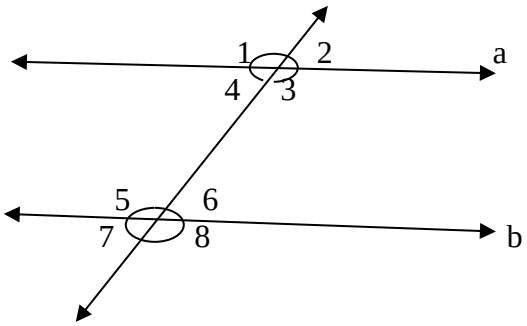
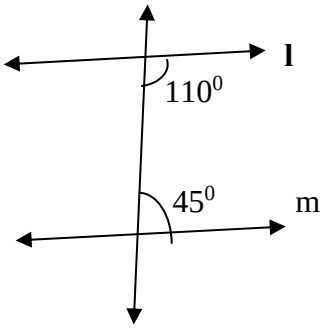
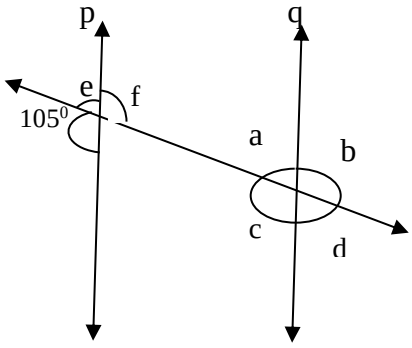
General Instructions:

General Instruction:

(i) *All questions are compulsory*
(ii) *Calculations should be shown in a working column on the right hand side.*
(iii) *Section A : Questions 1- 20carry 1 mark each*
Section B : Questions 21-26 carry 2 mark each
Section C : Questions 27-34carry 3 mark each
Section D : Questions 35- 40 carry 4 mark each

	Section A	
	CHOOSE THE CORRECT ANSWER FROM THE FOLLOWING:	
1	Which of the following is the exponential form of 625? a) 5^3 b) 5^4 c) 3^5 d)5^5	1
2	How many vertices are there in a cube? a) 6 b) 8 c)12 d)4	1
3	If the side of a square is (a+6) units, its perimeter is , a) 4aunits b) (4a+24)units c)(a+4) +4 units d)64 units	1
4	Which of the following is the simplest form of $\{(3)^6 \div (3)^3\} \times 3^0$ a) 27 b)-27 c)9 d)0	1
5	$\{(\frac{3}{8})^4\}^{-2}$ is: a) $(\frac{3}{8})^8$ b)$(\frac{3}{8})^{-8}$ c) $(\frac{3}{8})^2$ d) $(\frac{8}{3})^{-8}$	1
6	Which of the following is the value of 0.1x13.5 a)135 b) 13.5 c) 0.135 d)1.35	1
7	Identify the pair of supplementary angles: a)$114^0,36^0$ b)$120^0,50^0$ c) $97^0,93^0$ d)$120^0,60^0$	1
8	The value of $\frac{3}{8}$ of 120 is: a)15 b) 360 c)45 d)960	1
9	If $\square \times \frac{2}{11} = 0$, then $\square$ is: a)$\frac{2}{11}$ b)0 c)1 d)$\frac{11}{2}$	1
10	In a class of 50 students, $\frac{3}{5}$ of the total numbers of students are girls'. How many students of the class are boys? a)30 b)20 c)16 d)15	1
	FILL IN THE BLANKS:	

11	The standard form of 12700 is…….	1
12	The additive inverse of -27 is ….	1
13	The coefficient of x in $3x^3-4x^2+7x-8$ is……	1
14	The supplementary angle of $84^0$is …….	1
15	The equivalent fraction of $\frac{3}{4}$ with numerator 18 is….	1
	IDENTIFY THE FOLLOWING STATEMENT AS TRUE OR FALSE	
16	The product of a positive integer and a negative integer is negative.	1
17	The value of $(-1)^{100}$ x $(-1)^{200}$ is 20000.	1
18	The perimeter of a rectangle of length $\frac{3}{4}$ m and breadth $\frac{1}{4}$m is 1m.	1
19	Linear pair angles are supplementary	1
20	If x=2 the value of 3x-2 is 0	1
	Section B	
21	Find a) 2.7 ÷ 100 b) 26.3 ÷1000	2
22	In the following figure, is <1 adjacent to <2? Give reasons? 	2
23	Find the product of -32 x -11 x-100	2
24	Using the laws of exponents simplify and write the answer in exponential form 5^2 x 5^4x5^8	2
25	Add $3a^2-4a+10$ and $-3a^2-5$	2
26	Draw the nets of the following solids. a)  b) 	2
	Section - C	
27	Find the product using suitable properties. 625 x (-99) + (-625)	3
28	Evaluate each of the following. a) (-31) ÷ ⌊(−30) + (−1)⌋ b) 13 ÷ (-2+1) c) (-6+5) ÷ (-2+1)	3
29	Find a) $36 \div \frac{3}{4}$ b) $\frac{4}{5} \div 1\frac{1}{2}$	3
30	Which is greater? $\frac{2}{7}$ of $\frac{3}{4}$ or $\frac{3}{5}$ of $\frac{5}{8}$	3

31	State the property that is used in each of the following statements? i) If a || b ,then <1= <5 ii) If <4 =<6 ,then a|| b iii) If <4 + <5 180^0,then a|| b 	3
32	In the given figure below,decide whether **l** is parallel to **m**. 	3
33	Classify into monomials,binomials and trinomials. a) -y-37 b) 100x c) $1+x+x^2$	3
34	Subtract $6ab^2 – 13b -18a$ from $-4ab^2+2b +4a$	3
	Section – D	
35	In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer. i) Jiya attempts all questions but only 9 of her answers are correct. What is her total score? ii) One of her friends gets only 5 answers correct. What will be her total score?	4
36	Each side of a regular polygon is 2.5cm in length. The perimeter of the polygon is 12.5cm.How many sides does the polygon have?	4
37	In the adjoining figure, p||q .Find the unknown angles. 	4
38	From the sum of $5+4x$ and $7-2x -2x^2$, subtract the sum of $-3x^2-7x$ and $–x^2+6x+10$	4

39	Find the value of the following expressions for a = -3 ,b= -2 i) 2 a +b ii) 7a -2b iii) $a^3 - b^3$	4
40	Simplify $\frac{25x5^2xt^8}{10^3\ xt^4}$	4
