DAV PUBLIC SCHOOL, SAMASTIPUR



<u>1ST PERIODIC TEST 2024-25</u>

CLASS - X

Time: 1 Hr. MATHEMATICS F.M.: 20

Note: Question number 1 to 5 carry 1 mark.													
	(A)	um of the expo 1 LCM of a and 1	(B)	2		(C)	4		(D)	eation 6	of 196 i	is	
3. The	3. The pair of linear equations $3 x + 5 y = 3$ and $6 x + k y = 8$, do not have a solution, if k												
	(A)	= 5	(B)	= 10		(C)	≠ 10		(D) ≠	5			
4. If a pair of linear equations in two variables is consistent, then the lines represented by two													
equations are													
	(A) intersecting					(B) parallel							
	(C) always coincident				(D) intersecting or coincident								
5. The pair of linear equations $y = 0$ and $y = -5$ has													
	(A) One solution				(B) two solutions								
	(C) infinitely many solutions					(D) no solution							
6. If $217x + 131y = 913$ and $131x + 217y = 827$, then find the value of $x + y$.												[2]	
7. Check whether 6 ⁿ can end with the digit 0 for any natural number n.												[2]	
8. Show that $\sqrt{7}$ is an irrational number.											[3]		
9. The sum of the digits of a two digit number is 8 and the difference between the num that formed by reversing the digits is 18. Find the number.												umber and [3]	
10. So	lve the	following sys	tem of	equation	ons gra	phical	ly.					[5]	
2x+y-6=0													

4x-2y-4=0.