	Jhe Excellence Key (M.Sc, B.Ed., M.Phill, P.hd)	Q.1	
CO	DE:1901-AG-TS-3 REG.NO:-TMC -D/79/89/36/63		
Gen	eral Instructions :-	Q.2	
(1) (;;)	All Question are compulsory : This question percentating 40 questions		
(11)	This question paper contains 40 questions.	0.3	_
(111)	Question 1-20in PART-A areObjective type question carrying 1 mark each.	2.0	
(iv)	Question 21-26 in PART-B are sort-answer type question carrying 2 mark each.	Q.4	
(v)	Question 27-34 in PART- C are long-answer-I type question carrying 3 mark each.		
(vi)	Ouestion 35-40 in PART-D are long-answer-II type question carrying 4 mark each		
(vii)	You have to attempt only one of the alternatives in all such questions	Q.5	
(viii)	Use of calculator is not permitted		
(viii)	Dease check that this question paper contains 8 printed pages		
$(\mathbf{I}\mathbf{X})$	I rease check that this question paper contains 6 printed pages.		
x) Code number given on the right hand side of the question paper should be written on the		Q.6	
tit.	e page of the answer-book by the candidate.		
Time	: 3 Hours Maximum Marks : 80		
CLA	SS – X MATHEMATICS	Q.7	
PRE-BOARD EXAMINATION 2019-20			
	PART – A (Question 1 to 20 carry 1 mark each.)		
		Q.8	
SECTION I : Single correct answer type			
This	section contain 10 multiple choice question. Each question has four		

choices (A) , (B) , (C) &(D) out of which **ONLY ONE** is correct .

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Q.1	93	
	The decimal representation of $\overline{1500}$ will be	
	(a) terminating (b) non-terminating (c) non-terminating, repeating (d) non-terminating non-repeating	
Q.2	Relation between mean, mode & median	
	(a) Mode = 3Median – 2Mean (b) Mean = 3Median – 2Mode	
	(c)Median = $3Mode - 2Mean$ (d) None of these	
Q.3	H.C.F. of two numbers is 13 and their L.C.M. is 182 and one number is 26,	
	then the other number is (a) 91 (b) 78 (c) 65 (d) 104	
Q.4	The solution of the equations $\frac{a}{a} - \frac{b}{a} = 0$ and $\frac{ab^2}{a^2b} + \frac{a^2b}{a^2} = a^2 + b^2$ is	
	$\begin{array}{cccc} x & y & -0 & \text{and} & -u & -$	
	(a) $x = a, y = b$ (b) $x = -a, y = b \mathbb{C}$ $x = a, y = -b$ (d) $x = -a, y = -b$	
Q.5	"If a line is drawn parallel to one side of a triangle to intersect the other two	
	sides in distinct points, the other two sides are divided in the same ratio." This	
	theorem is known as	
	(a) Pythagoras Theorem (b) Laplace Theorem	
	(c) Thales Theorem (d) Area Theorem	
Q.6	If $x = r \sin \theta \cos \phi$, $y = r \sin \theta \sin \phi$ and $z = r \cos \theta$, then	
	(a) $x^2 + y^2 + z^2 = r^2$ (b) $x^2 + y^2 - z^2 = r^2$	
	(c) $x^2 - y^2 + z^2 = r^2$ (d) $z^2 + y^2 - x^2 = r^2$	
Q.7	The ordinate of a point is twice its abscissa. Find the coordinates of the point	
	if its distance from (4,3) is $\sqrt{10}$.	
	(a)1, -3(b)-1, -3(c)1, 3(d) none of these	
Q.8	If the line segment joining the point $(3, -4)$, and $(1, 2)$ is trisected at points P(a,	
	-2) and Q($\frac{5}{3}$, b) then,	

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