KLE ENGLISH MEDIUM SCHOOL
JULE SOLAPUR
GRADE- XI   SYLLABUS SPLIT 2023-24
PERIODIC TEST - II AND FINAL EXAM

		MATHEMATICS			
SR. NO	MONTH	UNIT / SUBUNIT	VALUES	ACTIVITY/PROJECT	EXAM
1	July	**Sets**			
		Sets and their Representation			
		Empty Set			
		Finite and Infinite Set			
		Equal Sets			
		subsets	To develop the arithematic skills	Worksheet/ Assignment	
		Power Sets			
		Universal sets			
		Venn diagram			
		operations on sets			
		Complement of a set			
		Practical problems on union and Intersection of two set			
2	July	**Relations and Functions**			
		Cartesian product of sets			
		Relations	To develop disciplinary value	Worksheet/ Assignment	
		Functions			
3	August	**Complex Numbers and Quadratic Equations**			
		Complex Numbers			
		Algebra of complex numbers	Develops social value, disciplinary value	Worksheet/ Assignment	
		The Modulus and the conjugate of a complex number			
		Argand plane and Polar representation			
		Quadratic equations			

4	August	**Sequence and Series**	Develops social value, disciplinary value	Worksheet/ Assignment	
		Sequences			
		Series			
		Arithmetic Progression			
		Geometric Progression			
		Relationship between A.M and G.M			
		Sum to n terms of special series			
5	Sept	**Straight Lines**	Skills of handelling instruments and accuracy. Develops concentration skills	Worksheet/ Assignment	
		Slope of a line			
		Various forms of the equation of a line			
		General equation of a line			
		Distance of a point from a line			
6	Sept	**Statistics**	Develops concentration skills,attention and social values	Worksheet/ Assignment	
		Measures of dispersion			
		Range			
		Mean Deviation			
		Variance and Standard deviation			
		Analysis of Frequency Distributions			
7	Sept	**Limits**	Develops concentration skills,attention and social values	Worksheet/ Assignment	
		Limits			
		Derivatives			
		Intuitive idea of Derivatives			
		derivatives			
		Limits of trigonometric ratios			
8	October	**Trigonometric Functions**	Accuracy and precesion knowledge of space. Develops concentration skills.	Worksheet/ Assignment	PERIODIC TEST-II
		Angles			
		Trigonometric Functions			
		Trigonometric Functions of Sum and Difference of Two			
		Trigonometric Equations			

9	November	**Linear Inequalities**	Skills of handelling instruments and accuracy. Develops concentration skills	Worksheet/ Assignment	PERIODIC TEST-II
		Introduction			
		Linear Inequalities			
		Algebraic and Graphical solutions of Linear inequalities			
		Graphical solution of Linear inequalities in two variables			
		Solution of System of Linear inequalities in two variables			
10	December	**Permutations and combinations**	Develops logical thinking	Worksheet/ Assignment	PERIODIC TEST-II
		Fundamental principle of Counting			
		Permutaions			
		Combinations			
11	December/	**Conic Sections**	Accuracy and precesion knowledge of space. Develops concentration skills. Develops recreational values	Worksheet/ Assignment	
	January	Sections of a cone			
		Circle			
		Parabola			
		Ellipse			
		Hyperbola			
12	February	**Introduction to Three dimensional geometry**	Accuracy and precesion knowledge of space. Develops concentration skills. Develops recreational values	Worksheet/ Assignment	
		Space			
		Coordinates of a point in space			
		Distance between two points			
		Section Formula			
13	March	**REVISION OF ALL THE CHAPTERS FROM 1 TO 12 FOR TERM-II EXAMINATION**			