MATHEMATICS

Month	Topics	
April - May [Upto Summer Vcation]	Sets, Relations and Functions	Basic Concepts of Logarithm, Quadratic Equation and Expression
		Sets and Relations
		Concept of functions
June	Trigonometry	Measurement of angles
		Compound Angle and Associated Angle
		Transformation of Sum and Product
		Multiple and Sub-multiple angle
July	**UT 1/PT 1**	
July	Complex Number and Quadratic Equation	Properties of complex number
		Modulus, Argument and Polar form
	Trigonometric Equations	Pricipal solution and general solution
	Linear Inequalities	Properties of inequalities, Solve Graphically
		Word problem
August	Principle of Marhematical Induction	Prove by method of induction
	Sequence and Series	AP, GP, nth. Term, sum of the n terms,
		Series relating AP, GP series
	Equation of The Straight Line	Distance and Section formula, Area of triangle, collinearity
		Equation of lines and different forms
		Angle between lines,Condition of parrellism, Parallal line, Locus
September	**Revision And Block Test I**	
October-November	Permutation and Combination	Counting theory, Difference of permutation and combination and related sums
	Binomial Theorem	nth. Term, middle term,and for negative and fractional index
	Circle and Parabola	Equation of circle (General equation), Condition of tangency
		Parabola (Definition related locus) and Formula
		Parametric form
November - December	**UT 2/PT 2**	

MATHEMATICS

Month	Topics	
December	Ellipse, Hyperbola, 3-D Geometry, Statistics	Equation of ellipse and Hyperbola
		Parametric form
		3D- Geometry (Distance and Section Formula)
		Statistics (Mean, Median, Standard deviation, MD)
January	Solution of Triangles, Probability, Limits and Derivatives,	Solution of Triangles
		Probability
		Limits
		Differentiation- 1st. Principle and properties
January	**UT 3/PT 3**	
January	Mathematical Reasoning	Mathematical Reasoning
February	**Revision**	
February	**Revision And Block Test II**	
Theory Paper 80 marks + Internal assessment (Periodic tests/Unit Test & Mathematics Activity) 20 marks		