

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI-110026, ANNUAL CURRICULUM, 2018-19

Class-XI	Subject-Mathematics	Subject Teacher(Prepared by): KKJ		Designation: PGT		
Preferred Text Book /Material	Chapter's Name	Chapter Topic/Sub Topic	Term	StartDate	End Date	No of Pds.
Mathematics Textbook for Class XI NCERT Publication	<i>Trigonometry</i>	Introduction,Degree & Radian measure,relation between degree and radian,Trigonometric functions and their graph	I	02/07/18	07/07/18	8
		Trigonometric functions of Sum and Difference of two angles,Trigonometric equations, sin and cos low.		09/07/18	13/07/18	7
		Application of Trigonometric functions.Miscellaneous Problems		16/07/18	21/07/18	8
	<i>ComplexNumbers</i>	Introduction, Algebra of complex numbers, Argand plane and polar form ,Quadratic equations & their solutions	I	23/07/18	27/07/18	7
		Square root of complex number,miscellaneous examples.				
	<i>PMI</i>	Introduction,Problems based on divisibility ,sum of series & on inequality,Chapterwise Revision for First Periodic Test	I	30/07/18	03/08/18	7
	<i>Linear Inequlity</i>	Introduction , Algebraic solution of linear inequalities in one variable,Graphical Solution of linear inequations in two Variables, Miscellaneous Examples.	I	06/08/18	10/08/18	7
	<i>Straight Line</i>	Introduction of straight line, Slope of a line , Slope of line when coordinate are given ,angle beween line	I	13/08/18	17/08/18	5
		Collinearity of lines.Variou forms of equation of lines.				
		Slope intercept form , Point Slope form,Normal Form,		20/08/18	24/08/18	5

		Distance of a point from a line .Shifting of origin.				
		Equation of Family of Lines and Miscellaneous Examples.				
	Limit & Derivative	Introduction , Algebra of limits , existence and Evaluation of limit at a point ,Limits of polynomials and Rational Functions and trigonometric Limits,Derivatives , product and quotient rule , Miscellaneous Examples	I	27/08/18	01/09/18	8
	Introduction of 3D	Introduction, Coordinate Plane and Coordinate axes In 3-D, Distance formula Section Formula ,Miscellaneous Examples	I	04/09/18	07/09/18	5
	Revision of HLY Exam	Chapterwise Revision for Half Yearly Examination 2018	I	10/09/18	13/09/18	5
	Sequence & Series	Introduction, Basic definition of sequence, Arithmetic Progression, A.M,Geometric Progression Geometric Mean	II	01/10/18	05/10/18	5
		Relation Between G.M & A.M ,Sum to n terms of special series, Infinite G.P and Miscellaneous Examples.		08/10/18	12/10/18	7
	Permutation & <i>Combination</i>	Introduction & Fundamental Principle of counting, Permutation Factorial Notation,Derivation of the formula for Permutation.	II	15/10/18	26/10/18	8
		Derivation of the formula for Permutation,Combinations Miscellaneous Problems	II	29/10/18	05/11/18	9
	Revision of Second PT	Chapterwise Revision of Second Periodic Test	II	12/11/18	16/11/18	5
	<i>Binomial Theorem</i>	Introduction , concept of Pascal triangle and related Problems.Concept of general term .	II	19/11/18	22/11/18	4

		Properties of Binomial Coefficients ,Middle term and Independent term. Miscellaneous problems		26/11/18	30/11/18	7
	<i>Set</i>	Introduction, Sets and their representations , Finite and Infinite Set , Subset ,Power Set, Universal Set , Venn Diagrams , Operations on Sets , Complement of Sets , Practical Problems on Union and Intersections of sets, Miscellaneous Problems	II	03/12/18	07/12/18	7
	<i>Relation & Function</i>	Introduction , Cartesian Product of Sets , Relations their representation ,Domain and Range	II	10/12/18	13/12/18	5
		Function their Domain and Range, Miscellaneous Problems.		17/12/18	21/12/18	7
	<i>Conic Section</i>	Introduction , Circle , Parabola , Ellipse , Hyperbola .	II	24/12/18	31/12/18	8
		Micellaneous Examples on Conic		16/01/19	19/01/19	5
	<i>Statistics</i>	Introduction to Statistics , Mean Deviation from Mean and Median Variance and Standard Deviations for Various Data ,Analysis of frequency Distribution, Miscellaneous Examples.	II	21/01/19	25/01/19	7
	<i>Mathematical Reasoning</i>	Introduction, Statement, types of statement , Contrapositive , Negation,Converse And Inverse of Statement.	II	28/01/19	31/01/19	4
	<i>Probability</i>	Introduction to Probability theory , Random Experiment , Event ,Sample SpaceEvent , types of event , Probability of an event ,Miscellaneous Example on Probability.	II	01/02/19	08/02/19	8
	<i>Revision for Annual Examination</i>	Chapterwise Revision for Annual Examination 2018	II	11/02/19	16/02/19	8
				18/02/19	22/02/19	7

	Prepared by: KKJ					
	Sub. Co-ordinator-PC	Sign.				
	Subject Teacher-ANA	Sign.				

Syllabus Planning for First Periodic Examination 2018-19(6/8/18)

Class-XI **Sub:-Mathematics** **Time:-1 hour 30 minutes**
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Trigonometry</i>	18
2	<i>ComplexNumbers</i>	12
3	<i>PMI</i>	10
	Total	40

Syllabus Planning for Half Yearly Examination 2018-19

Class-XI **Sub:-Mathematics** **Time:-3 hours**
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Trigonometry</i>	23
2	<i>ComplexNumbers</i>	12
3	<i>PMI</i>	12
4	<i>Linear Inequality</i>	12
5	<i>Straight Line</i>	21
6	<i>Limit & Derivative</i>	13
7	<i>Introduction of 3D</i>	7
	Total	100

Syllabus Planning for Second Periodic Examination 2018-19(19/11/18)

Class-XI **Sub:-Mathematics** **Time:-1 hour 30 minutes**
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Sequence&Series</i>	23
2	<i>Permutation & Combination</i>	17
	Total	40

Syllabus Planning for Pre-Board Examination 2018-19

Class-XI **Sub:-Mathematics** **Time:-3 hours**
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Set</i>	5
2	<i>Relation & Function</i>	6
3	<i>Trigonometry</i>	10
4	<i>PMI</i>	4
5	<i>ComplexNumbers</i>	6
6	<i>Linear Inequality</i>	6
7	<i>Permutation & Combination</i>	4

8	<i>Binomial Theorem</i>	8
9	<i>Sequence&Series</i>	8
10	<i>Straight Line</i>	6
11	<i>Conic Section</i>	10
12	<i>Introduction of 3D</i>	4
13	<i>Limit & Derivative</i>	6
14	<i>Mathematical Reasoning</i>	2
15	<i>Statistics</i>	8
16	<i>Probability</i>	7
	Total	100

Co-ordinator Name-PCJ

Sign.

Subject Teacher Name: KKJ

Sign.

Subject Teacher Name: ANA

Sign.