

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

Class-XII	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 XII Part- I NCERT Publication	<i>Matrices</i>	Introduction,Type,Operation, Transpose ,Inverse, Elementry Transformation	I	02/04/18	07/04/18	9
		Symmetric & Skew Symmetric of Matrices, Miscellaneous Questions.	I	09/04/18	13/04/18	8
	<i>Determinants</i>	Introduction & properties of determinants	I	16/04/18	20/04/18	8
		Area of a triangle.				
		Minors, cofactors, Adjoint and inverse of Matrices	I	23/04/18	27/04/18	8
		System of solution of Equation,Miscellaneous Questions .				
	<i>Relations and Functions</i>	Introduction, Type of Relation & Function, Composite & InvertibleFunction	I	01/05/18	04/05/18	7
		Binary operation Miscellaneous Questions	I	07/05/18	11/05/18	8
	<i>InverseTrigonometric functions</i>	Introduction,Basic Concept , Graph & properties of InverseTrigonometric functions,	I	14/05/18	18/05/17	8
		Miscellaneous & Additional Questions		02/07/18	07/07/18	9
	<i>Continuity &amp;Revision</i>	Checking of Continuity of function	I	09/07/18	13/07/18	8
		Miscellaneous Questions.				
		Revision of First PeriodicTest	I	16/07/18	21/07/18	9

	<i>Differentiability</i>	Checking of Differentiability of function,	I	23/07/18	27/07/18	8
		Chain Rule, Differentiation of Implicit function				
		Introduction of Log, Derivative of Log, Exponential, parametric function & Second order, Mean Value Th	I	30/07/18	03/08/18	8
		Miscellaneous Questions, Revision of First Periodic Term				
	<i>Application of derivatives</i>	Introduction, Rate Measure, Tangents & Normal	I	06/08/18	10/08/18	8
		Increasing & Decreasing				
		Maxima & Minima of functions Approximation and Miscellaneous Questions.		13/08/18	17/08/18	6
Mathematics Textbook for Class XII Part- II NCERT Publication	<i>Integrals</i>	Introduction, Method of Integration, Integrals of Particular function Integration by Partial Fraction, by Parts	I	20/08/18	24/08/18	6
		Introduction of Definite Integrals as the limit of a sum Evaluation of Definite Integrals by Definition & Substitution	I	27/08/18	01/09/18	8
		Evaluation of Definite Integrals by Property Miscellaneous Questions	I	04/09/18	07/09/18	7
		Revision of Half yearly Examination	I	10/09/18	13/09/18	6
	<i>Application of Integrals</i>	Introduction, Area under simple & between two curve Miscellaneous Questions	II	01/10/18	05/10/18	6
	<i>Differential equations</i>	Introduction, Basic Concept Degree, Order & formation Differential equations	II	08/10/18	12/10/18	8

		Method of Solution,Miscellaneous Questions	II	15/10/18	26/10/18	9
	<i>Probability</i>	Introduction, Conditional, Independent,Baye's	II	29/10/18	05/11/18	10
		Theorem Probability Distribution of Random				
		Variables				
		Bernoulli Trials ,Miscellaneous Questions	II	12/11/18	16/11/18	6
	<i>Vector Algebra</i>	Introduction,Basic Concept,Algebra & product of	II	19/11/18	22/11/18	5
		VectorScalar Triple Product, Miscellaneous				
		Questions				
	<i>Three Dimentional Geometry</i>	Introduction,Basic Concept ,Equation of line in	II	26/11/18	30/11/18	8
		space angle & distance between two line				
		Equation of Plane,Coplanirity ,Angle & distance	II	03/12/18	07/12/18	8
		betweenplane, angle between line & Plane,				
		Miscellaneous Questions				
	<i>Linear Programming</i>	Introduction ,Formation and Graphical solution of	II	10/12/18	13/12/18	6
		LPP Miscellaneous Questions				
	<i>Revision</i>	Chapterwise Revision for Pre- Board Examination	II	17/12/18	28/12/18	15
	<b>Prepared by: KKJ</b>					
	Sub. Co-ordinator-PCJ	Sign.				
	Subject Teacher-ANA	Sign.				

**Syllabus Planning for First Periodic Examination 2018-19(23/7/18)****Class-XII****Sub:-Mathematics****Time:-1 hour 30 minutes****Marking Scheme**

<b>Sl.No.</b>	<b>Chapter/ Topic</b>	<b>Max.Marks</b>
1	<i>Relations and Functions</i>	8
2	<i>InverseTrigonometric functions</i>	8
3	<i>Matrices</i>	11
4	<i>Determinants</i>	8
5	<i>Continuity</i>	5
	<b>Total</b>	<b>40</b>

**Syllabus Planning for Half Yearly Examination 2018-19****Class-XII****Sub:-Mathematics****Time:-3 hours****Marking Scheme**

<b>Sl.No.</b>	<b>Chapter/ Topic</b>	<b>Max.Marks</b>
1	<i>Relations and Functions</i>	11
2	<i>InverseTrigonometric functions</i>	6
3	<i>Matrices</i>	7
4	<i>Determinants</i>	10
5	<i>Continuity</i>	6
6	<i>Differentiability</i>	19
7	<i>Application of derivatives</i>	20
8	<i>Integrals</i>	21
	<b>Total</b>	<b>100</b>

**Syllabus Planning for Second Periodic Examination 2018-19(3/12/18)****Class-XII****Sub:-Mathematics****Time:-1 hour 30 minutes****Marking Scheme**

<b>Sl.No.</b>	<b>Chapter/ Topic</b>	<b>Max.Marks</b>
1	<i>Application of Integrals</i>	8
2	<i>Differential equations</i>	8
3	<i>Probability</i>	13
4	<i>Vector Algebra</i>	11
	<b>Total</b>	<b>40</b>

**Syllabus Planning for Pre-Board Examination 2018-19****Class-XII****Sub:-Mathematics****Time:-3 hours****Marking Scheme**

<b>Sl.No.</b>	<b>Chapter/ Topic</b>	<b>Max.Marks</b>
1	<i>Relations and Functions</i>	10
2	<i>Algebra</i>	13

3	<i>Calculus</i>	44
4	<i>Vector Algebra &amp; 3D Geometry</i>	17
5	<i>Linear Programming</i>	6
6	<i>Probability</i>	10
	<b>Total</b>	<b>100</b>

**Co-ordinator Name-PCJ**

**Sign.**

**Subject Teacher Name: KKJ**

**Sign.**

**Subject Teacher Name: ANA**

**Sign.**