

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI-110026, ANNUAL CURRICULUM, 2025-2026

Class-XII	Sub-Mathematics(041)	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 &II NCERT Publication	<i>Matrices</i>	Introduction,Type,Operation, Transpose ,Inverse of Matrices and their uniqueness,Symmetric & Skew Symmetric of Matrices,	I	01/04/25	5/4/2025	7
	<i>Determinants</i>	Introduction of Determinants and Area of a triangle, Miscellaneous Questions Minors, cofactors,Adjoint and inverse of Matrices	I	7/4/2025	11/4/2025	5
Mathematics Exemplar Problem for Class XII Published by NCERT						
		Consistency, inconsistency and number of solutions of system of linear equations by examples,solving system of linear equations in two or three variables using (having unique solution) inverse of a matrix.	I	14/4/2025	19/4/2025	7
Mathematics Lab <i>Mannual Class XII</i> Published by NCERT	<i>Relations and Functions</i>	Types of relations: reflexive, symmetric, transitive & equivalence relations. One to one and onto functions	I	21/4/2025	25/4/2025	7
	<i>Revision</i>	Revision for First PeriodicTest 2025-26	I	28/4/2025	3/5/2025	8
	<i>InverseTrigonometric functions</i>	Definition, range, domain, principal value branch Graphs of inverse trigonometric functions	I	5/5/2025	9/5/2025	7
	<i>Continuity & Differentiability</i>	Checking of Continuity Differentiability of function Chain Rule,Differentiation of Implicit function	I	13/5/2025	16/5/2025	5
		Introduction of Log,Derivative of Log,Exponential & parametric function Second order Derivative	I	1/7/2025	5/7/2025	7

		Miscellaneous & Additional Questions based on derivatives	I	7/7/2025	11/7/2025	7
	<i>Application of derivatives</i>	Introduction, Rate Measure, Increasing & Decreasing Maxima & Minima of functions, Miscellaneous Problem	I	14/7/2025	19/7/2025	8
		Simple problems (that illustrate basic principles and understanding of the subject as well as real- life situations).	I	21/7/2025	25/7/2025	7
	<i>Integrals</i>	Introduction, Method of Integration, Integrals of Particular function Integration by Partial Fraction, by Parts	I	28/7/2025	2/8/2025	8
	<i>Revision</i>	Revision for Second Periodic Test 2025-26	I	4/8/2025	8/8/2025	7
	<i>Integrals</i>	Introduction of Definite Integrals Evaluation of Definite Integrals by Definition & Substitution	I	11/8/2025	14/8/2025	5
		Evaluation of Definite Integrals by Property	I	18/8/2025	22/8/2025	7
		Miscellaneous Questions				
	<i>Application of Integrals</i>	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ ellipses (in standard form only)	I	25/8/2025	29/8/2025	7
	<i>Linear Programming</i>	Introduction, Formulation and Graphical solution of LPP Miscellaneous Questions	I	1/9/2025	6/9/2025	7
	<i>Revision</i>	Revision for Half Yearly Examination 2025-26	I	8/9/2025	11/9/2025	5
	<i>Examination</i>	Half Yearly Examination 2025-26	I	15/9/2025	26/9/2025	0

	<i>Differential equations</i>	Introduction,Basic Concept Degree &Order	II	29/9/2025	9/10/2025	8
		Method of Solution,Miscellaneous Questions				
	<i>Probability</i>	Introduction,Conditional probability, multiplication	II	13/10/2025	17/10/2025	7
		theorem on probability,Independent events,				
		Total probability, Bayes' theorem.	II	24/10/2025	31/10/2025	7
	<i>Vector Algebra</i>	Introduction,Basic Concept,Algebra & product of	II	1/11/2025	7/11/2025	4
		Vector, Miscellaneous Questions				
	<i>Revision</i>	Revision for Third PeriodicTest 2025-26		10/11/2025	15/11/2025	8
		Properties and application of scalar (dot) product	II	17/11/2025	21/11/2025	7
		of vectors, vector (cross) product of vectors.				
	<i>Three Dimentional</i>	Introduction,Direction cosines and direction ratios	II	24/11/2025	28/11/2025	7
	<i>Geometry</i>	of a line joining two points. Cartesian equation and				
		vector equation of a line,skew lines, shortest				
		distance between two lines.Angle between two lines.				
	<i>Revision</i>	Revision for Pre- Board Examination 2025-26	II	1/12/2025	5/12/2025	8
	<i>Examination</i>	Pre- Board Examination 2025-26	II	6/12/2025	17/12/2025	0
	<i>Revision</i>	Revision Classes for Board Examination 2025-26	II	18/12/2025	31/12/2025	12
	Prepared by: KKJ	Sign.				
	MATHEMATICS CO-ORDINATOR : KKJ					

Syllabus Planning for First Periodic Examination 2025-26
Class-XII Sub:-Mathematics(041) Time:- 45 minutes
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Matrices & Determinants</i>	20

Syllabus Planning for Second Periodic Examination 2025-26
Class-XII Sub:-Mathematics(041) Time:- 45 minutes
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Relations and Functions</i>	7
2	<i>Continuity & Differentiability</i>	13
	Total	20

Syllabus Planning for Half Yearly Examination 2025-26
Class-XII Sub:-Mathematics (041) Time:-3 hours
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Relations and Functions</i>	6
2	<i>Inverse Trigo functions</i>	4
3	<i>Matrices & Determinants</i>	18
4	<i>Continuity &</i>	9
5	<i>Application of derivatives</i>	9
6	<i>Integrals</i>	17
7	<i>Application of Integrals</i>	9
8	<i>Linear Programming</i>	8
	Total	80

Syllabus Planning for Third Periodic Examination 2025-26
Class-XII Sub:-Mathematics(041) Time:- 45 minutes
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Differential equations</i>	7
2	<i>Probability</i>	13
	Total	20

Syllabus Planning for Pre Board Examination 2025-26
Class-XII Sub:-Mathematics (041) Time:-3 hours
Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Relations and Functions</i>	8
2	<i>Algebra</i>	10
3	<i>Calculus</i>	35
4	<i>Vector Algebra & 3D Geometry</i>	14
5	<i>Linear Programming</i>	5
6	<i>Probability</i>	8
	Total	80

Prepared by: KKJ	Sign.
MATHEMATICS CO-ORDINATOR : KKJ	

N. C. JINDAL PUBLIC SCHOOL, PUNJABI BAGH, NEW DELHI-110026

CLASS: -XII (2025-2026)

MATHEMATICS (041)

Internal Assessment Max. Marks: 20

Evaluation Criteria

The weightage is as under

Periodic Test(Best 2 out of 3 test conducted)	10 Marks
The activity performed by the student throughout the year and record keeping:	5 Marks
Assessment of the activity performed during the year end test:	3 Marks
Viva-Voce:	2 Marks

Note: For activities NCERT Lab Manual may be referred.
