

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI-110026, ANNUAL CURRICULUM, 2024-2025

Class-XII	Subject-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	01-04-2024	06-04-2024	8
	<i>Determinants</i>	Introduction of Determinants and Area of a triangle,Miscellaneous Questions	I	08-04-2024	19-04-2024	11
Mathematics Exemplar Problem for Class XII Published by NCERT		Minors, cofactors,Adjoint and inverse of Matrices System of Equation				
Mathematics Lab <i>Manual 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	22-04-2024	26-04-2024	7
	<i>InverseTrigonometric functions</i>	Definition, range, domain, principal value branch Graphs of inverse trigonometric functions	I	29-04-2024	03-05-2024	7
	<i>Revision</i>	Revision for First PeriodicTest 2024-25	I	06-05-2024	10-05-2024	7
	<i>Continuity & Differentiability</i>	Checking of Continuity Differentiability of function Chain Rule,Differentiation of Implicit function	I	13-05-2024	17-05-2024	7
		Introduction of Log,Derivative of Log,Exponential & parametric function Second order Derivative	I	01-07-2024	06-07-2024	8

		Miscellaneous & Additional Questions	I	08-07-2024	12-07-2024	7
	<i>Application of derivatives</i>	Introduction,Rate Measure, Increasing &Decreasing	I	15-07-2024	20-07-2024	7
		Maxima & Minima of functions, Miscellaneous &	I	22-07-2024	26-07-2024	7
		Additional Questions				
	<i>Integrals</i>	Introduction,Method of Integration,Integrals of	I	29-07-2024	03-08-2024	7
		Particular function Integration by Partial Fraction,				
		by Parts				
	<i>Revision</i>	Revision for Second PeriodicTest 2024-25	I	05-08-2024	09-08-2024	7
	<i>Integrals</i>	Introduction of Defnite Integrals Evaluation of	I	12-08-2024	17-08-2024	7
		Defnite Integrals by Defnition &Substitution				
		Evaluation of Defnite Integrals by Property	I	20-08-2024	23-08-2024	6
		Miscellaneous Questions				
	<i>Application of Integrals</i>	Introduction, Area under simple curve	I	27-08-2024	30-08-2024	6
		Miscellaneous Questions				
	<i>Linear Programming</i>	Introduction ,Formation and Graphical solution of	I	02-09-2024	06-09-2024	6
		LPP Miscellaneous Questions				
	<i>Revision</i>	Revision for PT-III Examination 2024-25	I	09-09-2024	11-09-2024	5
	<i>Differential equations</i>	Introduction,Basic Concept Degree &Order	II	13-09-2024	27-09-2024	12
		Method of Solution,Miscellaneous Questions				

	<i>Probability</i>	Introduction, Conditional & Independent Probability	II	30-09-2024	05-10-2024	7
		Baye's Theorem Probability Distribution of Random		07-10-2024	19-10-2024	11
		Variables and Mean of random variables.				
	<i>Vector Algebra</i>	Introduction,Basic Concept,Algebra & product of	II	21-10-2024	25-10-2024	7
		Vector, Miscellaneous Questions				
	<i>Three Dimentional</i>	Introduction,Basic Concept ,Equation of line in	II	04-11-2024	08-11-2024	6
	<i>Geometry</i>	space angle & distance between two line				
	<i>Revision</i>	Revision for Pre- Board -1 Examination 2024-25	II	11-11-2024	16-11-2024	7
	<i>Revision</i>	Revision for Pre- Board -2 Examination 2024-25	II	09-12-2024	12-12-2024	6
	Prepared by: KKJ	Sign.				
	MATHEMATICS CO-ORDINATOR : KKJ					

Syllabus Planning for First Periodic Examination 2024-25

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 2024-25

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 Third Periodic Examination 2024-25

Class-XII

Sub:-Mathematics (041)

Time:-1 hours 30 minutes

Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	<i>Inverse Trigonometric functions</i>	4
2	<i>Application of derivatives</i>	11
3	<i>Integrals</i>	14
4	<i>Application of Integrals</i>	5
5	<i>Linear Programming</i>	6
	Total	40

Syllabus Planning for Pre Board -1&2 Examination 2024-25

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

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CLASS: -XII (2024-2025)

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.
