N.C. JINDAL PUBLIC SCHOOL
CLASS: -XII (2022-2023)
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.

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI-110026, ANNUAL CURRICULUM, 2022-2023

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	*Matrices*	Introduction,Type,Operation, Transpose ,Inverse of	I	01-04-2022	08-04-2022	10
Textbook for		Matrices and their uniqueness,Symmetric & Skew				
Class XII Part- I		Symmetric of Matrices,				
NCERT Publication						
	Determinants	Introduction of Determinants and Area of	I	11-04-2022	22-04-2022	13
		a triangle,Miscellaneous Questions				
Mathematics						
Exempler Problem		Minors, cofactors,Adjoint and inverse of Matrices	I	25-04-2022	30-04-2022	7
for Class XII		System of Equation,				
Published by NCERT						
	Relations and	Types of relations: reflexive, symmetric, transitive &	I	02-05-2022	06-05-2022	5
Mathematics Lab	Functions	equivalence relations. One to one and onto				
Mannual Class XI&XII		functions				
Published by NCERT						
		Miscellaneous & Additional Questions		09-05-2022	14-05-2022	7
	InverseTrigonometric	Definition, range, domain, principal value branch. Graph	I	01-07-2022	08-07-2022	10
	functions	of inverse trigonometric functions				
	Continuity &	Checking of Continuity Differentiability of function	I	11-07-2022	16-07-2022	8
	Differentiability	Chain Rule,Differentiation of Implicite function				
		Introduction of Log,Derivative of Log,Exponential &	I	18-07-2022	21-07-2022	6
		parametric function Second order Derivative &				

		Miscellaneous Questions				
	Application of derivatives	Introduction,Rate Measure, Increasing &Decreasing	I	25-07-2022	29-07-2022	6
		Maxima & Minima of functions, Miscellaneous Questions & and Revision of First PeriodicTest	I	01-08-2022	06-08-2022	7
Mathematics Textbook for Class XII Part- II NCERT Publication	Integrals	Introduction,Method of Integration,Integrals of Particular function Integration by Partial Fraction, by Parts	I	08-08-2022	20-08-2022	10
		Introduction of Defnite Integrals Evaluation of Defnite Integrals by Defnition &Substitution	I	22-08-2022	26-08-2022	7
Mathematics Exempler Problem for Class XII Published by NCERT		Evaluation of Defnite Integrals by Property Miscellaneous Questions	I	29-08-2022	02-09-2022	7
Mathematics Lab Mannual Class XI Published by NCERT	Application of Integrals	Introduction, Area under simple curve Miscellaneous Questions	I	05-09-2022	09-09-2022	7
		Revision of Half yearly Examination	I	12-09-2022	15-09-2022	5
	Differential equations	Introduction,Basic Concept Degree &Order	II	06-10-2022	15-10-2022	8
		Method of Solution,Miscellaneous Questions	II	17-10-2022	21-10-2022	7
	Probability	Introduction, Conditional, Independent,Baye's Theorem Probability Distribution of Random Variables and Mean of random variables.	II	27-10-2022	04-11-2022	10

	Linear Programming	Introduction ,Formation and Graphical solution of	II	07-11-2022	11-11-2022	5
		LPP Miscellaneous Questions				
		Miscellaneous Questions Revision of Second	II	14-11-2022	19-11-2022	7
		PeriodicTest				
	Vector Algebra	Introduction,Basic Concept,Algebra & product of	II	21-11-2022	25-11-2022	7
		Vector, Miscellaneous Questions,				
	Three Dimentional	Introduction,Basic Concept ,Equation of line in	II	28-11-2022	02-12-2022	7
	Geometry	space angle & distance between two line				
		Revision of Third PeriodicTest				
	Revision	Chapterwise Revision for Pre- Board Examination	II	05-12-2022	17-12-2022	10
	Prepared by: KKJ					
	Sub. Co-ordinator-PCJ	Sign.				

Syllabus Planning for First Periodic Examination 2022-23

Class-XII   Sub:-Mathematics(041)   Time:- 45 minutes

Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	Matrices & Determinants	20
	Total	**20**

Syllabus Planning for Half Yearly Examination 2022-23

Class-XII   Sub:-Mathematics (041)   Time:-3 hours

Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	Relations and Functions	8
2	InverseTrigonometric functions	5
3	Matrices & Determinants	17
4	Continuity & Differentiability	15
5	Application of derivatives	12
6	Integrals	16
7	Application of Integrals	7
	Total	**80**

Syllabus Planning for Second Periodic Examination 2022-23

Class-XII   Sub:-Mathematics(041)   Time:- 45 minutes

Marking Scheme

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

Syllabus Planning for Third Periodic Examination 2022-23

Class-XII   Sub:-Mathematics (041)   Time:- 45 minutes

Marking Scheme

Sl.No.	Chapter/ Topic	Max.Marks
1	Vector Algebra	14
2	Linear Programming	6
	Total	**20**

Syllabus Planning for Pre Board Examination 2022-23

Class-XII   Sub:-Mathematics (041)   Time:-3 hours

Marking Scheme

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

Co-ordinator Name-PCJ	Sign.

Subject Teacher Name: KKJ	Sign.

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