N. C. JINDAL PUBLIC SCHOOL, PUNJABI BAGH, NEW DELHI-110026, ANNUAL CURRICULUM, 2023-2024

Class-XII	Subject-Mathematics (041)	Subject Teacher(Prepared by): KKJ		Designation: PGT		
Preferred Text Book						No of
/Material	Chapter's Name	Chapter Topic/Sub Topic	Term	StartDate	End Date	Pds.
Mathematics	Matrices	Introduction, Type, Operation, Transpose, Inverse of		18-03-2023	29-03-2023	10
Textbook for		Matrices and their uniqueness,Symmetric & Skew				
Class XII Part- I &II		Symmetric of Matrices,				
NCERT Publication						
	Determinants	Introduction of Determinants and Area of		01-04-2023	06-04-2023	5
Mathematics		a triangle, Miscellaneous Questions				
Exempler Problem						
for Class XII		Minors, cofactors, Adjoint and inverse of Matrices		10-04-2023 15-04-2023		7
Published by NCERT		System of Equation				
Mathematics Lab	Relations and	Types of relations: reflexive, symmetric, transitive &	I	17-04-2023	21-04-2023	7
Mannual Class XII	Functions	equivalence relations. One to one and onto				
Published by NCERT		functions				
		Miscellaneous & Additional Questions		24-04-2023	28-04-2023	7
	InverseTrigonometric	Definition, range, domain, principal value branch	I	01-05-2023	06-05-2023	7
	functions	Graphs of inverse trigonometric functions				
	Revision	Revision for First PeriodicTest		08-05-2023	12-05-2023	7
	Continuity &	Checking of Continuity Differentiability of function	Ι	15-05-2023	18-05-2023	6
	Differentiability	Chain Rule, Differentiation of Implicite function				

	Introduction of Log, Derivative of Log, Exponential &	I	01-07-2023	07-07-2023	8
	parametric function Second order Derivative				
	Miscellaneous & Additional Questions	I	10-07-2023	15-07-2023	8
Application of	Introduction, Rate Measure, Increasing & Decreasing	I	17-07-2023	21-07-2023	7
derivatives					
	Maxima & Minima of functions, Miscellaneous &	I	24-07-2023	28-07-2023	7
	Additional Questions				
Integrals	Introduction, Method of Integration, Integrals of	Ι	31-07-2023	05-08-2023	8
	Particular function Integration by Partial Fraction,				
	by Parts				
Revision	Revision for Second PeriodicTest		07-08-2023	11-08-2023	7
Integrals	Introduction of Defnite Integrals Evaluation of	I	14-08-2023	18-08-2023	5
	Defnite Integrals by Defnition & Substitution				
	Evaluation of Defnite Integrals by Property	I	21-08-2023	25-08-2023	7
	Miscellaneous Questions				
Application of	Introduction, Area under simple curve	I	28-08-2023	02-09-2023	7
Integrals	Miscellaneous Questions				
Linear Programming	Introduction ,Formation and Graphical solution of	I	04-09-2023	08-09-2023	6
	LPP Miscellaneous Questions				
Revision	Revision for Half yearly Examination 2023-24	I	11-09-2023	14-09-2023	6

Differential equations	Introduction, Basic Concept Degree & Order	Ш	03-10-2023	06-10-2023	6
	Method of Solution, Miscellaneous Questions	П	09-10-2023	13-10-2023	7
Probability	Introduction, Conditional & Independent Probability	П	16-10-2023	19-10-2023	5
	Baye's Theorem Probability Distribution of Random		25-10-2023	31-10-2023	7
	Variables and Mean of random variables.				
Vector Algebra	Introduction, Basic Concept, Algebra & product of	Ш	02-11-2023	10-11-2023	10
	Vector, Miscellaneous Questions				
Revision	Revision for Pre- Board -1 Examination 2023-24	Ш	16-11-2023	21-11-2023	7
Three Dimentional	Introduction, Basic Concept , Equation of line in	Ш	04-12-2023	06-12-2023	4
Geometry	space angle & distance between two line				
Revision	Revision for Pre- Board -2 Examination 2023-24	Ш	12-12-2023	19-12-2023	5
Prepared by: KKJ	Sign.				
Sub. Co-ordinator-PCJ	Sign.				

Syllabus Planning for First Periodic Examination 2023-24Class-XIISub:-Mathematics(041)Time:- 45 minutes

Marking Scheme

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

Syllabus Planning for Second Periodic Examination 2023-24 Class-XII Sub:-Mathematics(041) Time:- 45 minutes Marking Scheme

SI.No.	Chapter/ Topic	Max.Marks
1	Relations and Functions	7
2	Continuity & Differentiability	13
	Total	20

Syllabus Planning for Half Yearly Examination 2023-24

	Class-XII S	Sub:-Mathematics (041)	Time:-3 hours			
Marking Scheme						
SI.No.	Chapter/ Topic		Max.Marks			
1	Relations and Functions		6			
2	InverseTrigonometric func	tions	4			
3	Matrices & Determinants		18			
4	Continuity & Differentiabil	ity	9			
5	Application of derivatives		9			
6	Integrals		17			
7	Application of Integrals		9			
7	Linear Programming		8			
	Total		80			

Syllabus Planning for Third Periodic Examination 2023-24Class-XIISub:-Mathematics (041)Time:- 45 minutes

Marking Scheme					
SI.No.	Chapter/Topic Max.Marks				
1	Differential equations		7		
2	Probability	13			
	Total		20		
	Syllabus Planning for Pr	e Board Examination	2023-24		
	Class-XII Sub:-Mat	hematics (041)	Time:-3 hours		
	Mark	ing Scheme			
SI.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.			

Sign.

Subject Teacher Name: KKJ

N.C. JINDAL PUBLIC SCHOOL CLASS: -XII (2023-2024) 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.
