

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

Class-X	Subject-Mathematics	Subject Teacher(Prepared by): RR		Designation: TGT		
Preferred Text Book /Material	Chapter's Name	Chapter Topic/Sub Topic	Term	StartDate	End Date	No of Pds.
Mathematics Textbook for Class X NCERT Publication	REAL NUMBER	Fundamental Theorem of Arithmetic - statement after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality	I	3/18/2023	3/22/2023	4
	POLYNOMIALS	Definition, Zeros of a polynomial. Relationship between zeros and coefficients of quadratic polynomial.		4/10/2023	4/13/2023	5
	QUADRATIC EQUATIONS	Standard form of a quadratic equation Solutions of Q.E by factorization, and by using quadratic formula.	I	4/17/2023	4/21/2023	7
		Relationship between discriminant and nature of roots.	I	4/24/2023	4/28/2023	6
		Situational problems based on quadratic equations				
Mathematics Lab Manual Class IX&X Published by NCERT						
	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	Introduction to Pair of linear equations in two variables graphical method of their solution, consistency/inconsistency.	I	5/1/2023	5/6/2023	6
		Algebraic conditions for number of solutions.				
		Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination		5/8/2023	5/12/2023	7
		Simple situational problems.		5/15/2023	5/19/2023	7
	INTRODUCTION TO TRIGONOMETRY	T-ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined); motivate the ratios whichever are defined at 0 and 90 Values of the trigonometric ratios of 30, 45 and 60 .	I	7/1/2023	7/7/2023	8
		Relationships between the ratios.	I	7/10/2023	7/15/2023	8
		Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$ .				

		Only simple identities to be given.				
	<i>COORDINATE</i>	Review: Concepts of coordinate geometry,	I	7/17/2023	7/21/2023	7
	<i>GEOMETRY</i>	graphs of linear equations.				
		Distance formula. Section formula (internal division).	I	7/24/2023	7/28/2023	7
	<i>TRIANGLES</i>	Definitions, examples, counter examples of similar triangles.	I	<b>8/1/2023</b>	<b>8/5/2023</b>	7
		Proof of Basic Proportionality theorem.Statement of				
		converse.Related questions				
		Criterion of simalarity and questions based on them.	I	8/7/2023	<b>8/11/2023</b>	7
	<i>STATISTICS</i>	Introduction,Mean of grouped data	I	8/14/2023	8/18/2023	5
		median and mode of grouped data	I	<b>8/21/2023</b>	<b>8/25/2023</b>	7
		(bimodal situation to be avoided).				
	<i>PROBABILITY</i>	Classical definition of probability.	I	8/28/2023	9/2/2023	6
		Simple problems on finding the probability of an event				
			I	<b>9/4/2023</b>	<b>9/8/2023</b>	5
	<i>Revision</i>	Revision for Half yearly Examination		9/11/2023	9/14/2023	5
	<i>ARITHMETIC</i>	Introduction,Basic Concepts,Derivation of the nth terms ,sum of	II	10/3/2023	10/6/2023	5

	PROGRESSIONS	first n terms and their application in solving daily life problems.				
	<i>CIRCLES</i>	Tangent to a circle at, point of contact	II	10/9/2023	10/13/2023	7
		Theorems and questions based on them.				
	SOME APPLICATIONS	Simple problems on heights and distances.	II	10/16/2023	10/19/2023	5
	OF TRIGONOMETRY	Angles of elevation / depression should be only 30°, 45°, and 60°.				
	<i>AREAS RELATED</i>	Area of sectors and segments of a circle. Problems based on	II	10/25/2023	11/3/2023	10
	<i>TO CIRCLES</i>	areas and perimeter /circumference of the above e figures. For				
		area of segment of acircle, problems should be restricted				
		to central angle of 60°, 90° and 120° only.				
	Revision	Revision for Pre- Board 1 Examination		11/6/2023	11/17/2023	10
	<i>SURFACE AREAS</i>	Surface areas and volumes of combinations of any two of	II	12/3/2023	12/13/2023	7
	<i>AND VOLUMES</i>	the following: cubes, cuboids, spheres,				
		hemispheres and right circular cylinders/cones.				
	<i>Revision</i>	Revision for Pre- Board 2 Examination		12/14/2023	12/19/2023	5
	<b>Prepared by: RR</b>					
	Sub. Co-ordinator-PCJ					

S.NO	PT/HALF YEARLY/PRE BOARD	Chapter/Topic	Max. Marks
1	PT1	REAL NUMBERS	13
		POLYNOMIALS	7
		TOTAL	20
2	PT2	PAIR OF LINEAR EQUATION IN TWO VARIABLES	10
		TRIGONOMETRY	10
		TOTAL	20
3	PT3(HALF YEARLY)	REAL NUMBERS	10
		POLYNOMIALS	5
		PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	10
		QUADRATIC EQUATIONS	10
		TRIGONOMETRY	10
		TRIANGLES	10
		COORDINATE GEOMETRY	10
		STATISTICS	10
		PROBABILITY	5
4	PREBOARD 1	NUMBER SYSTEM	6
		ALGEBRA	20
		COORDINATE GEOMETRY	6
		GEOMETRY	15
		TRIGONOMETRY	12
		MENSURATION(AREA RELATED TO CIRCLES)	10
		STATISTICS AND PROBABILITY	11
		TOTAL	80
5	PREBOARD 2	NUMBER SYSTEM	6
		ALGEBRA	20
		COORDINATE GEOMETRY	6
		GEOMETRY	15
		TRIGONOMETRY	12
		MENSURATION	10
		STATISTICS AND PROBABILITY	11
		TOTAL	80