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

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	**01-04-2025**	**05-04-2025**	7
	POLYMOMIALS	Definition, Zeros of a polynomial.Relationship between zeros and coefficients of quadratic polynomial.	I	07-04-2025	11-04-2025	5
	QUADRATIC EQUATIONS	Standard form of a quadratic equation Solutions of Q.E by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots.	I	14-04-2025	19-04-2025	7
		Situational problems based on quadratic equations		21-04-2025	25-04-2025	7
Mathematics Lab *Mannual 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	**28-04-2025**	**03-05-2025**	8``
		Algebraic conditions for number of solutions.				
		Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination				
		Simple situational problems.		05-05-2025	09-05-2025	7
	INTRODUCTION TO TRIGONOMETRY	T-ratios of an acute angle of a right-angled triangle.	I	**13-05-2025**	**16-05-2025**	5
		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 .				
		Relationships between the ratios.	I	01-07-2025	05-07-2025	7
		Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.				
	COORDINATE GEOMETRY	Review: Concepts of coordinate geometry, graphs of linear equations.	I	07-07-2025	11-07-2025	7

		Distance formula. Section formula (internal division).				
	AREAS RELATED	Area of sectors and segments of a circle. Problems based on	I	14-07-2025	19-07-2025	8
	TO CIRCLES	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				
	TRIANGLES	Definitions, examples, counter examples of similar triangles.	I	**21-07-2025**	**25-07-2025**	*7*
		Proof of Basic Proportionality theorem.Statement of				
		converse.Related questions				
		Criterion of simalarity and questions based on them.		28-07-2025	**02-08-2025**	8
	STATISTICS	Introduction,Mean of grouped data	I	04-08-2025	05-08-2025	7
		median and mode of grouped data	I	**11-08-2025**	**14-08-2025**	5
		(bimodal situation to be avoided).				
	PROBABILITY	Classical definition of probability.	I	18-08-2025	22-08-2025	7
		Simple problems on finding the probability of an event				
	ARITHMETIC	Introduction,Basic Concepts,Derivation of the nth terms	II	**25-08-2025**	**29-08-2025**	7
	PROGRESSIONS	Sum of first n terms and their application in				
		solving daily life problems.		01-09-2025	06-09-2025	7
	Revision	Revision for Half yearly Examination		08-09-2025	11-09-2025	5
		HALF YEARLY		15-09-2025	26-09-2025	Half Yearly
	CIRCLES	Tangent to a circle at, point of contact	II	29-09-2025	09-10-2025	8
		Theorems and questions based on them.	II	13-10-2025	17-10-2025	7

	SOME APPLICATIONS	Simple problems on heights and distances.	II	24-10-2025	31-10-2025	7
	OF TRIGONOMETRY	Angles of elevation / depression should be only 30°, 45°, and 60°.	II	**01-11-2024**	**07-11-2025**	4
	SURFACE AREAS	Surface areas and volumes of combinations of any two of	II	10-11-2025	15-11-2025	8
	AND VOLUMES	the following: cubes, cuboids, spheres,		17-11-2025	21-11-2025	7
		hemispheres and right circular cylinders/cones.				
		Revision		24-11-2025	29-11-2025	7
				01-12-2025	06-12-2025	7
		Pre- Board		06-12-2025	17-12-2025	
	Prepared by: RR					
	Sub. Co-ordinator-KKJ					

S.NO	PT/HALF YEARLY/PRE BOAR	Chapter/Topic	Max. Marks
1	PT1	REAL NUMBERS	12
		POLYNOMIALS	8
		TOTAL	20
2	PT2	PAIR OF LINEAR EQUATION IN TWO VARIABLES	14
		AREA RELATED TO CIRCLES	6
		TOTAL	20
3	HALF YEARLY	REAL NUMBERS	7
		POLYNOMIALS	5
		PAIR OF LINEAR EQUATIONS IN TWO VARIABLES	10
		QUADRATIC EQUATIONS	7
		TRIGONOMETRY	10
		TRIANGLES	10
		COORDINATE GEOMETRY	8
		STATISTICS	10
		PROBABILITY	6
		AREA RELATED TO CIRCLES	7
		TOTAL	80
4	PT3	ARITHEMATIC PROGRESSION	10
		CIRCLES	10
		TOTAL	20
5	PREBOARD	NUMBER SYSTEM	6
		ALGEBRA	20
		COORDINATE GEOMETRY	6
		GEOMETRY	15
		TRIGONOMETRY	12
		MENSURATION	10
		STATISTICS AND PROBABILITY	11
		TOTAL	80
Total			440