

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI-110026, ANNUAL SYLLABUS, 2026-2027

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	01-04-2026	10-04-2026	12
	POLYNOMIALS	Definition, Zeros of a polynomial.Relationship between zeros and coefficients of quadratic polynomial.	I	13-04-2026	18-04-2026	7
	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. Situational problems based on quadratic equations	I	20-04-2026	24-04-2026	7
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. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically - by substitution, by elimination Simple situational problems.	I	27-04-2026	02-05-2026	7
				04-05-2026	08-05-2026	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 . Relationships between the ratios. Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.	I	11-05-2026	18-05-2026	9
			I	01-07-2026	04-07-2026	6
	COORDINATE GEOMETRY	Review: Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division).	I	06-07-2026	10-07-2026	7
	AREAS RELATED TO CIRCLES	Area of sectors and segments of a circle. Problems based on 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	I	13-07-2026	18-07-2026	9
	TRIANGLES	Definitions, examples, counter examples of similar triangles. Proof of Basic Proportionality theorem.Statement of converse.Related questions Criterion of similarity and questions based on them.	I	20-07-2026	24-07-2026	7
				27-07-2026	01-08-2026	9
	STATISTICS	Introduction,Mean of grouped data median and mode of grouped data (bimodal situation to be avoided).	I	03-08-2026	07-08-2026	7
			I	10-08-2026	14-08-2026	7
	PROBABILITY	Classical definition of probability. Simple problems on finding the probability of an event	I	17-08-2026	21-08-2026	7
	Revision	Revision for Half yearly Examination		24-08-2026	03-09-2026	6
				05-09-2026	10-09-2026	7
		HALF YEARLY		14-09-2026	25-09-2026	Half Yearly

	CIRCLES	Tangent to a circle at, point of contact	II	28-09-2026	03-10-2026	6
		Theorems and questions based on them.		05-10-2026	09-10-2026	7
	ARITHMETIC	Introduction,Basic Concepts,Derivation of the nth terms	II	12-10-2026	17-10-2026	7
	PROGRESSIONS	Sum of first n terms and their application in solving daily life problems.				
	SOME APPLICATIONS OF TRIGONOMETRY	Simple problems on heights and distances. Angles of elevation / depression should be only 30°, 45°, and 60°.	II	21-10-2026	31-10-2026	10
		Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones.	II	02-11-2026	06-11-2026	7
	SURFACE AREAS AND VOLUMES			12-11-2026	21-11-2026	7
		Revision		23-11-2026	30-11-2026	7
				01-12-2026	05-12-2026	7
		Pre- Board		06-12-2026	21-12-2026	

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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	ARITHMETIC 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		