

**ACADEMIC PLANNER 2022-23**

**Sub : Mathematics**

**Class - X**

DATE	TOPIC	C.W / H.W / ASSIGNMENT	Activity/ Mode of Assessment
<b>April</b>			
1-15	<b><u>Ch. 3 Pair of Linear Equations In Two Variables</u></b>		
(10 days)	Pair of linear equations in two variables	Ex -3.1	Online assesement educosoft
	Graphical Method of solving a Pair of Linear Equations	Ex-3.2	
16-30	Substitution Method	Ex-3.3	
(13 days)	Elimination Method	Ex-3.4	
<b>May</b>			
1-15	<b><u>Ch 1. Real Numbers</u></b>		
(10 days)	The Fundamental Theorem of Arithmetic	Ex. 1.2	Online assesement educosoft
	Irrational Numbers	Ex. 1.3	
	<b><u>Ch.2 Polynomials</u></b>		
	Geometrical Meaning of the zeroes of a polynomial	Ex. 2.1	Online assesement educosoft
	Polynomial	Ex.2.2	
<b>JULY</b>			
1-15	<b><u>Ch 7. Co-ordinate Geometry</u></b>		
(12 days)	Distance Formula	Ex. 7.1	
	Section Formula	Ex. 7.2	Online assesement educosoft
	<b><u>Ch 15 Probability</u></b>		
	A Theoretical Approach	EX.15.1	
16-31	<b><u>Ch6. Triangles</u></b>		To prepare a perfect height finder.
(13 days)	Similar Figures	Ex - 6.1	
	BPT	Ex - 6.2	
	Criteria for Similarity of Triangles	Ex - 6.3	
<b>August</b>			
1-15	<b><u>Ch. 8 Trigonometry</u></b>		
(9 days)	Trigonometric Ratios	Ex. 8.1	To prepare the angle calculator
	Trigonometric Ratios of Some Specific Angles	Ex. 8.2	
16-31	Trigonometric Identities	Ex. 8.3	Online assesement educosoft
(13 days)	<b><u>Ch.12 Area Related to Circles</u></b>		
	Perimeter and Area of a Circle	Ex. 12.1	
	Areas of Sector and Segment of a circle	Ex. 12.2	
<b>September</b>			
1-15	<b><u>Ch13. Surface Areas and Volumes</u></b>		
(12 days)	Surface Area and Volume of Combination of Solids	Ex.13.1	Online assesement educosoft
	<b>Revision For half Yearly</b>		
16-30	<b>Half Yearly Exam</b>		
(13 days)			

October			
1-15	<b>Ch4. Quadratic Equations</b>		
(8 days)	Introduction of quadratic Equation	Ex. 4.1	Online assesement educosoft
	Solution By Factorisation Method	Ex. 4.2	
	Nature of roots	Ex. 4.3, Ex. 4.4	
			To verify:
16-31	<b>Ch5. Arithmetic Progression</b>		$1+2+3+ \dots +n = \frac{n(n+1)}{2}$
(10 days)	Introduction of Arithmetic Progressions	Ex. 5.1	
	nth Term of an AP	Ex. 5.2	
	Sum of First n terms of an AP	Ex. 5.3	
November			
1-15	<b>Ch.10 Circles</b>		To verify that lengths of tangents from an external points to a circle are equal by paper folding ,cutting and pasting.
(11 days)	Tangent to a Circle	Ex.10.1	
	Number of Tangents to a Circle	Ex.10.2	
16-30	<b>Ch9. Applications of Trigonometry</b>		
(13 days)	Heights And Distances	Ex. 9.1	
	<b>Ch14. Statistics</b>		Online assesement educosoft
	Mean of a Grouped Data	Ex. 14.1	
	Median of a Grouped Data	Ex. 14.2	
	Mode of a Grouped Data	Ex. 14.3	
December			
1-15	Preboard 1 Exams		
(12 days)			
16-31	Preboard 1 exams continue		
(14 days)	Revision and discussion of papers		
January			
16-31	Revision		
(13 days)			
February			
1-15	Revision		
(12 days)			
16-28			
(10 days)			

TERMWISE SYLLABUS	
Class Test-1	Chapter-3
Class Test-2	Chapter-1,2
Half yearly	Chapter-1,2,3,6,7,8,12,15
Class Test-3	Chapter- 4
Preboard 1	Chapter-1,2,3,4,5,6,7,8,9,10,12,13,14,15