

**ACADEMIC PLANNER 2024-25**

**Sub : Mathematics**

**Class - X**

DATE	TOPIC	C.W / H.W / ASSIGNMENT	Activity/ Mode of Assessment
<b>April</b>			
1 - 15 (11)	<b>Ch 1. Real Numbers</b>		
	The Fundamental Theorem of Arithmetic	Ex. 1.1	Online assesement educosoft
	Irrational Numbers	Ex. 1.2	
16-30 (11)	<b>Ch.2 Polynomials</b>		
	Geometrical Meaning of the zeroes of a polynomial	Ex. 2.1	Online assesement educosoft
	Relationship between the zeroes and coefficients of a Polynomial	Ex.2.2	
	<b>Ch 14 Probability</b>		
	A Theoretical Approach	Ex.14.1	Online assesement educosoft
<b>May</b>			
1 - 15 (12)	<b>Ch. 3 Pair of Linear Equations In Two Variab</b>		
	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	
	Substitution Method	Ex-3.3	
	Elimination Method		
	<b>Ch 7. Co-ordinate Geometry</b>		
	Distance Formula	Ex. 7.1	To verify the distance formula by graphical method
Section Formula	Ex. 7.2		
<b>JULY</b>			
1 - 15 (12)	<b>Ch6. Triangles</b>		
	Similar Figures	Ex - 6.1	To prepare the perfect height finder.
	BPT	Ex - 6.2	
Criteria for Similarity of Triangles	Ex - 6.3		
16-31 (13)	<b>Ch13. Statistics</b>		
	Mean of a Grouped Data	Ex. 13.1	Online assesement educosoft
	Median of a Grouped Data	Ex. 13.2	
Mode of a Grouped Data	Ex. 13.3		
<b>August</b>			
1 - 15 (11)	<b>Ch.11 Area Related to Circles</b>		
	Perimeter and Area of a Circle	Ex. 11.1	Online assesement educosoft
Areas of Sector and Segment of a circle			
16-31 (12)	<b>Ch. 8 Trigonometry</b>		
	Trigonometric Ratios	Ex. 8.1	To verify the trigonometric identity $\sin^2\theta + \cos^2\theta = 1$
	Trigonometric Ratios of Some Specific Angles	Ex. 8.2	
	Trigonometric Identities	Ex. 8.3	
<b>Ch9. Applications of Trigonometry</b>			To prepare the angle calculator
Heights And Distances	Ex. 9.1		
<b>September</b>			
1 - 15 (11)	<b>Ch12. Surface Areas and Volumes</b>		
	Surface Area of Combination of Solids	Ex.12.1	Online assesement educosoft
	Volume of Combination of Solids	Ex.12.2	
<b>Revision For half Yearly Exams</b>			
16-30 (12)	<b>Half Yearly Exam</b>		

<b>October</b>			
<b>1 - 15 (9)</b>	<b>Ch4. Quadratic Equations</b>		
	Introduction of Quadratic Equation	Ex. 4.1	Online assesement educosoft
	Solution By Factorisation Method	Ex. 4.2	
Nature of roots	Ex. 4.3		
<b>16-31 (12)</b>	<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.
	Tangent to a Circle	Ex. 10.1	
	Number of Tangents to a Circle	Ex.10.2	
<b>November</b>			
<b>1 - 15 (10)</b>	<b>Ch5. Arithmetic Progression</b>		
	Introduction of Arithmetic Progressions	Ex. 5.1	To verify the formula for sum of first n natural numbers by graphical method
	nth Term of an AP	Ex. 5.2	
<b>16-30 (13)</b>	<b>Ch5. Arithmetic Progression</b>		
	Sum of First n terms of an AP	Ex. 5.3	Online assesement educosoft
<b>December</b>			
<b>1 - 15 (11)</b>	<b>Pre-Board Examination</b>		
<b>16-31 (13)</b>			

<b>TERMWISE SYLLABUS</b>	
<b>Unit Test - 1 (July)</b>	<b>Chapters-1, 2, 3, 14</b>
<b>Half yearly Exams (September)</b>	<b>Chapters -1,2,3,6,7,8,11,14</b>
<b>Preboard Exams</b>	<b>Complete Syllabus</b>