

St. Xavier's School

Syllabus and Lesson Planner



Class	STD.11	Syllabus		
Subject	Mathematics	Syllabus		
Ch. No.	Name of Chapter	Topic	Month	Week
1	Quadratic Equation and Trigonometry	Quadratic Equations-Statement of Fundamental Theorem of Algebra, solution of quadratic equations (with real coefficients)	April	3rd
		Quadratic functions	April	4th
		Sign of quadratic function	April	4th
		Sequence and Series - A.P.	May	1st
		UNIT TEST - 01		
2	Sequence and Series and Trigonometry	Angles and Arc Lengths	May	2nd
		Trigonometrical Functions	June	2nd
		Compound and Multiple angles	June	3rd & 4th
		Sequence and Series - G.P.	July	1st
		Some Special Series	July	2nd
UNIT TEST - 02				
3	Algebra and Co-ordinate Geometry	Inequalities	July	3rd
		Points and their Co-ordinates	July	4th
		Straight lines	August	1st & 2nd
4	Co-ordinate Geometry	Circles	August	3rd
		Circles	August	4th
		REVISION	Sept.	1st
FIRST SEMESTER				
5	Algebra	Complex Numbers (U.T. - 03)	Sept.	4th
		Sets (U.T. - 03)	Oct.	1st
		Relations and Functions (U.T. - 03)	Oct.	3rd
		Permutations and Combinations	Oct.	4th
		Permutations and Combinations	Nov.	2nd
6	Calculus	Binomial Theorem	Nov.	3rd
		Limits	Nov.	4th
		Derivatives	Dec.	1st
7	Statistics and Probability	Statistics	Dec.	2nd
		Probability	Dec.	3rd
		UNIT TEST - 04		
8	Conic Sections & Geometry (For Sec. - A) / Statistics & its applications(For Sec. - B, C & D)	Parabola, Ellipse & Hyperbola / Statistics	Jan.	1st & 2nd
		Introduction to Three- Dimensional Geometry / Correlation Analysis	Jan.	3rd
		Mathematical Reasoning / Index Numbers and Moving Average	Jan.	4th
REVISION			Feb.	1st
SECOND SEMESTER		The syllabus of Second Semester includes the portion of First Semester also.		