

AIR FORCE SCHOOL, BAMRAULI

ANNUAL SPLIT UP OF SYLLABUS

ACADEMIC SESSION 2026-27

CLASS & SEC XI –AB
BOOK NAME: NCERT

SUBJECT: - MATHS

Month	Chapter/Unit lesson	Topic/Subtopic	No. of Periods	Activity
June& July	1	Set Theory: Introduction, Sets and their representation, types of sets, Subsets, Venn diagram, some properties of operation of union and intersection, Complement of sets.	6	
	2	Relation and function: Introduction, Cartesian product of sets, Relation, Function	6	
	3	Trigonometric Function: Introduction, Angles, Relation Between degree and radian, Trigonometric function, Trigonometric function of sum and Difference of two angles, Sub multiple angles	10	
	4	Complex Number: Introduction, Iota, Complex Number, Algebra, modulus and conjugate of Complex Number, Argand Plane and, Quadratic Equation	8	

August	5	Linear Inequalities: Introduction, Inequalities, Graphical solution of inequalities in one variable, Graphical solution of Linear	8	
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	6	Permutation and Combination: Introduction, Fundamental principle of counting Factorial notation, Permutation, Combination.	10	
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September	7	Binomial theorem Binomial expansion General term and middle term	6	
	8	Sequence and Series: Introduction, Sequence, Series, GP, Relationship between AM & GM.	12	
	9	Straight Line: Introduction, Slope of line, Various Forms of Equation, General Equation of line, Distance of a point from a line, Distance between two parallel, lines. Conic Section:	12	

October	10	Introduction, Circle, Parabola, Ellipse, Hyperbola, Application of Conic section.	10	
	11	Three-Dimensional Geometry: Introduction, Distance between two points, Section formula.	5	
November	12	Limits and Derivatives: Introduction, Limits, Existence of limit, Algebra of limits, Derivatives from first Principle, Product rule, Quotient rule.	10	
December	13	Statistics: Introduction, Mean deviation about mean and median, Variance and Standard Deviation,	10	
January	14	Probability: Introduction, Sample Space, Event, Types of events, Probability, Algebra of probability. (Revision for Annual Exam)	10	
February		Revision For Annual Exam		