ACADEMIC PLANNER (MATHEMATICS-XI, 2018 - 19)

Month(WD)	Content	Mode of Assesment	Homework & Assignment
April (12) **16-30 (12)**	**CH-15 STATISTICS** Measures of Dispersion,Range,Mean Deviation, Variance and Standard Deviation,Analysis of Frequency Distributions	**Oral Test** **Class Test**	**NCERT Exercices of Chapter** **Miscellaeous Exercise**
May (12) **1-15 (12)**	**CH-14 MATHEMATICAL REASONING** Statements,New Statements from Old,Special Words/Phrases,Implications, Validating Statements **CH-4 PRINCIPLE OF MATHEMATICAL INDUCTION** Motivation,The Principle of Mathematical Induction **(REVISION)**	**Oral Test** **Class Test** **Oral Test** **Class Test**	**NCERT Exercices of Chapter** **Miscellaeous Exercise** **NCERT Exercices of Chapter**
July(25) **1-15 (11)** **16-31 (14)**	**CH-5 COMPLEX NUMBERS AND QUADRATIC EQUATIONS** Complex Numbers,Algebra of Complex Numbers,The Modulus and the Conjugate of a Complex Number,Argand Plane and Polar Representation, Quadratic Equations,Square Root of a Complex Number **(REVISION)** **CH-3 TRIGONOMETRIC FUNCTIONS** Angles,Trigonometric Functions,Trigonometric Functions of Sum and Difference of Two Angles,Trigonometric Equations,Sine and Cosine Fomulae **(REVISION)**	**Oral Test** **Class Test** **Oral Test** **Class Test**	**Assignment** **NCERT Exercices of Chapter** **Miscellaeous Exercise** **Assignment** **NCERT Exercices of Chapter** **Miscellaeous Exercise**
August (24)	**CH-6 LINEAR INEQUALITIES**		

1-15 (11)	Inequalities,Algebraic Solution of Linear Inequalities in One Variable and their	**Oral Test**	**NCERT Exercices of Chapter**
	Graphical Representation,Graphical Solution of Linear Inequalities in Two	**Class Test**	**Miscellaeous Exercise**
	Variables,Solution of System of Linear Inequalities in Two Variables		
	(REVISION)		
16-31 (13)	**CH-7 PERMUTATIONS AND COMBINATIONS**		**Assignment**
	Fundamental Principle of Counting,Permutations and Combinations	**Oral Test**	**NCERT Exercices of Chapter**
	(REVISION)	**Class Test**	**Miscellaneous Exercise**
September(22)			
1-15 (11)	**HALF YEARLY EXAMINATIONS**	**Oral Test**	**NCERT Exercices of Chapter**
16-30 (11)	**CH-8 BINOMIAL THEOREM**	**Class Test**	**Miscellaeous Exercise**
	Binomial Theorems for Positive Integral Indices,		**Assignment**
	General and Middle Terms		
October(20)	**CH-13 LIMITS AND DERIVATIVES**		
1-15 (12)	Intuitive Idea of Derivatives,Limits,Limits of Trigonometric Functions,	**Oral Test**	**NCERT Exercices of Chapter**
	Derivatives	**Class Test**	**Miscellaeous Exercise**
16-31 (08)	**CH-16 PROBABILITY**	**Oral Test**	**NCERT Exercices of Chapter**
	Random Experiments,Events,	**Class Test**	**Miscellaeous Exercise**
	Axiomatic Approach to Probability		
November(20)	**CH-10 STRAIGHT LINES**		
1-15 (09)	Slope of a Line,Various Forms of the Equation of a Line,	**Oral Test**	**NCERT Exercices of Chapter**
	General Equation of a Line, ,Distance of a Point From a Line,Equation of a	**Class Test**	**Miscellaeous Exercise**
	Line through the point of two Intersecting Lines,Shifting of Origin		
16-30 (11)	**CH-13 CONIC SECTIONS**		
	Sections of a cone,Circle,Parabola,Ellipse,Hyperbola	**Oral Test**	**NCERT Exercices of Chapter**

	CH-12 INTRODUCTION TO 3- DIMENSIONAL GEOMETRY Coordinate Axes and Coordinate Planes in Three Dimensional Space, Coordinates of a Point in Space,Distance between Two Points, Section Formulae (REVISION)	**Class Test**	**Miscellaeous Exercise**
December(24) **1-15(11\2)**	**Assessment Test**	**Oral Test**	**NCERT Exercices of Chapter**
16-31 (12)	**CH-1 SETS** Sets and their Representation,The Empty Set,Finite and Infinite Sets, Equal Sets,Subsets,Power Set,Universal Set,Venn Diagrams, Operation on Sets,Complement of a Set, Practical Problems on Union and Intersection of Two Sets Applications of set theory **(REVISION)**	**Class Test**	**Miscellaeous Exercise**
	CH-2 RELATIONS AND FUNCTIONS Cartesian Product of Sets, Relation and Functions	**Oral Test** **Class Test**	**Assignment** **NCERT Exercices of Chapter** **Miscellaeous Exercise**
January(14) **01-15 (01)** **16-31 (13)**	**CH-9 SEQUENCES AND SERIES** Sequences,Series,Arithmetic Progression (A.P.), Geometric Progression (G.P.),Relationship Between A.M. and G.M.. Sum to n terms of Special Series Geometric Progression (G.P.),Relationship Between A.M. and G.M., Sum to n terms of Special Series,Sum to infinite terms of a G.P. **Annual Exam : Month of Feb 2018**	**Oral Test** **Class Test**	**NCERT Exercices of Chapter** **Miscellaeous Exercise**

TERMWISE SYLLABUS

U. T 1 (July)	**Ch. 4, 5, 15**
Half Yearly(Sep.)	**Ch. 3, 4, 5, 6, 7, 15**
Assessment Test(Dec.)	**Ch. 3, 8, 10, 11, 13, 16**
Annual (Feb.)	**Complete Syllabus**