SYLLABUS PLAN (2019-2020)

SUBJECT- MATHEMATICS   **STD:XI**

Month	No.of Teaching Days	Topics	No.of periods	Weightage
JUNE	17	**UNIT 1 :SETS & FUNCTIONS**		
		Chapter : 1 Sets	8	8
		Chapter : 2 Relations and Functions	5	5
		Chapter :3 Trigonometric Functions	10	10
JULY	26	**UNIT 2 :ALGEBRA**		
		Chapter : 4 Mathematical Induction	6	6
		Chapter : 5 Complex Numbers	10	4
		Chapter : 6 Linear Inequalities	4	4
		Revision & I Unit Test	10	
AUGUST	21	**UNIT 4 : CALCULUS**		
		Chapter :13 Limits & derivatives	10	5
		UNIT2 :ALGEBRA		
		Chapter : 7 Permutations & Combinations	8	4
		Chapter:8 Binomial Theorem	8	6
SEPTEMBER	16	**UNIT 6:** Chapter :16 Probability	10	4
		Revision for I term Examination & I Term Examination	9	
OCTOBER	18	**UNIT 3: COORDINATE GEOMETRY**		
		Chapter : 10 Straight Lines	14	6
		Chapter: 12 3-Dimensional Geometry	8	2

Month	No.of Teaching Days	Topics	No.of periods	Weightage
NOVEMBER	22	**UNIT 3: COORDINATE GEOMETRY** Chapter :11 Conic Sections	6	2
		UNIT 2 :ALGEBRA Chapter :9 Sequences and Series	16	6
		UNIT 5: MATHEMATICAL REASONING Chapter: 14 Mathematical Reasoning Revision for II Unit Test	4	2
DECEMBER	18	II Unit test	6	
		UNIT 6: STATISTICS & PROBABILITY Chapter :15 Statistics	6	6
		Revision for Preliminary Exam	10	
JANUARY	24	Revision & Preliminary Examination Revision & Annual Examination	27	
FEBRUARY	7	Revision & Annual Examination	15	
Total	169		210	80

SYLLABUS PLANNING (2019-2020)
INTERNAL ASSESSMENT
ACTIVITIES(10 MARKS)

SUB: MATHEMATICS   **Std: XI**

Month	No. of Periods For Activities	Experiment
JUNE	2	To represent set theoretic operations by using venn diagram. To distinguish between relation and function.**Error! Reference source not found.**
JULY	2	To find the values of sine and cos in different quadrants using values in 1st quadrant To plot the graph of sinx,sin2x, sinx/2, 2sinx using same axes.
AUGUST	1	To construct a Pascal's triangle(binomial theorem).
SEPTEMBER	-	-
OCTOBER	1	To write the sample space when a coin is tossed once, twice, thrice, four times .
NOVEMBER	3	To demonstrate that Arithmetic mean of 2 different numbers is greater than geometric mean. To construct different types of conic sections. To construct an ellipse when two fixed points are given.
DECEMBER	1	To obtain truth values (mathematical reasoning)
JANUARY	-	-
Total	10	10 Marks(5record+3assessment+2viva)

PEN- PAPER TEST(10 MARKS)

Month	MARKS	
JUNE-JULY	10 MARKS	BEST 2 OUT OF 3
SEPTEMBER	10 MARKS	
NOVEMBER	10 MARKS	