Annual & Weekly Syllabus Split-Up - 2025-26 GRADE XII APPLIED MATHEMATICS

S.No	Month	No. of Working Days	No. of Days	Topic	Sub Topic	Resources	Activity	Mid April Test	Periodic T	Pre Mid T	Mid Term	Periodic T	Post Midt	Annual
1	March		Week 1											
			Week 2	6					Number Qunatification			√			
			Week 3	5					Algebraic Inequalities			√			
			Week 4	6								√			
			Week 5	6						√		√			
2	APRIL	23	Week 1	5	**Number Quantification/ DETERMINANTS**	Number Quantification/Properties of	Text book exercises; derivations; all concepts			√					
			Week 2	5	**Algebraic Inequalitis/ DETERMINANTS**	Algebraic Inequalities/Cramer's rule;	Text book exercises; derivations; all concepts					√			
			Week 3	4	**Matrices/DIFFERENTIAT ION**	Matrices/Logarithmic differentiation; Parametric	Text book exercises; derivations; all concepts				√	√			
			Week 4	6	**CH.6 APPLICATIONS OF DERIVATIVES**	Derivative as a rate measure; Tangents and normals;	Text book exercises; derivations; all concepts				√	√			
			Week 5	3	**CH.6 APPLICATIONS OF DERIVATIVES**	Derivative as a rate measure; Tangents and normals;	Text book exercises; derivations; all concepts					√			
3	JUNE	19	Week 1	0											
			Week 2	6	**CH. 6 APPLICATIONS OF DERIVATIVES**	Marginal cost and marginal revenue; fixed cost; variable	Text book exercises; derivations; all concepts					√			
			Week 3	6	**CH. 7 INTEGRALS**	Indefinite integrals; properties of indefinite	Text book exercises; derivations; all concepts					√			
			Week 4	6	**CH.8 DIFFERENTIAL EQUATIONS**	Order and degree of a differential equation;	Text book exercises; derivations; all concepts	MATHS LAB: DIFFERENTIAL				√			
			Week 5	1	**CH.8 DIFFERENTIAL EQUATIONS**	Applications of differential equations; Growth and	Text book exercises; derivations; all concepts								
4	JULY	27	Week 1	5	**CH. 9 PROBABILITY**	Random variables; probability distribution;	Text book exercises; derivations; all concepts								
			Week 2	6	**CH. 9 PROBABILITY**	Application of probability distribution; Mean and	Text book exercises; derivations; all concepts								
			Week 3	6	**CH. 10 INFERENTIAL STATISTICS**	Sample; Population;unbiased and biased sampling;	Text book exercises; derivations; all concepts								
			Week 4	6	**CH. 10 INFERENTIAL STATISTICS**	Two sample t-test; one sample test; Assertion	Text book exercises; derivations; all concepts								
			Week 5	4	**CH. 11 TIME BASED DATA**	Trend component; components of time series;	Text book exercises; derivations; all concepts	MATHS LAB: AVERAGES							
5	AUGUST	23	Week 1	2	**CH.12 PERPETUITY, SINKING FUNDS AND**	Present Value of perpetuity; Present value when payment	Text book exercises; derivations; all concepts								
			Week 2	5	**CH.12 PERPETUITY, SINKING FUNDS AND**	Sinking fund; Equated monthly installment; Flat	Text book exercises; derivations; all concepts								
			Week 3	5											
			Week 4	6											
			Week 5	5											
6	SEPTEMBER	25	Week 1	5											
			Week 2	6	**CH. 13 RETURNS, GROWTH AND**	Return on investment; Nominal rate of return;	Text book exercises; derivations; all concepts								
			Week 3	6	**CH. 13 RETURNS, GROWTH AND**	Depreciation; Linear or straight line method;	Text book exercises; derivations; all concepts	CASE STUDY ACTIVITY							

#	Month		Week		Chapter	Topic	Exercises									
			Week 4	6	CH. 14 LINEAR PROGRAMMING	Manufacturing problems; Diet problems; Simple	Text book exercises; derivations; all concepts									
			Week 5	2	CH. 14 LINEAR PROGRAMMING	Case study questions of LPP; Transportation	Text book exercises; derivations; all concepts									
7	OCTOBER	13	Week 1	3		Revision on Inferential statistics; one sample t - test;	Text book exercises; derivations; all concepts									
			Week 2	6		Revision on Normal distribution; how to find out	Text book exercises; derivations; all concepts									
			Week 3	4												
			Week 4	0												
			Week 5	0												
8	NOVEMBER	23	Week 1	0												
			Week 2	5		PRE BOARD -1										
			Week 3	6		PRE BOARD -1										
			Week 4	6		Answer Paper Discussion and Revision	WORK SHEET AND SAMPLE PAPERS									
			Week 5	6		REVISION	WORK SHEET AND SAMPLE PAPERS									
9	DECEMBER	20	Week 1	6		REVISION	WORK SHEET AND SAMPLE PAPERS									
			Week 2	6		PRE BOARD -2										
			Week 3	6		PRE BOARD -2										
			Week 4	2		Answer Paper Discussion and Revision	REVISION									
			Week 5	0		REVISION	WORK SHEET AND SAMPLE PAPERS									
10	JANUARY	22	Week 1	0		REVISION	WORK SHEET AND SAMPLE PAPERS									
			Week 2	6		PRE BOARD -3										
			Week 3	5		PRE BOARD -3										
			Week 4	6		Answer Paper Discussion and Revision	REVISION									
			Week 5	5		REVISION	WORK SHEET AND SAMPLE PAPERS									
11	FEBRUARY	23	Week 1	6												
			Week 2	6												
			Week 3	5												
			Week 4	6												
			Week 5	0												
12	MARCH	22	Week 1	5												
			Week 2	6												

			Week 3	**5**									
			Week 4	**5**									
			Week 5	**1**									