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

S.No	Month	No. of Wo	orking Day	No. of Da	Topic	Sub Topic	Resources	Activity	Mid April Test	Periodic 7	Pre Mid T	Mid Term	Periodic 7	Post Midte	Annual
1	March		Week 1												
			Week 2	6					Number Qunatification			V			
			Week 3	5					Algebraic Inequalities			$\checkmark$			
			Week 4	6								$\checkmark$			
			Week 5	6			TEAT DOOR CALIFORNI, UCTIVATIONS, AIT CONCEDES			$\checkmark$		$\checkmark$			
2	APRIL	23	Week 1	5	Number Quantification/ DETERMINANTS	determinants; 10 properties; expansion of determinants; Area of a triangle; Adjoint	would be taught through senses board and software dealt with teaching learning process.			V		V			
			Week 2	5	Algebraic Inequalitis/ DETERMINANTS	method using inverse of a matrix; criterion for consistency or inconsistency	would be taught through senses board and software dealt with teaching learning process.					V			
			Week 3	4	Matrices/DIFFERENTIATION	Parametric forms - differentiation; higher order derivatives;	would be taught through senses board and software dealt with teaching learning process.				$\checkmark$	V			
			Week 4	6	CH.6 APPLICATIONS OF DERIVATIVES	normals; methods of intervals; increasing and decreasing functions; Maxima and	would be taught through senses board and software dealt with teaching learning process.				$\checkmark$	V			
			Week 5	3	CH.6 APPLICATIONS OF DERIVATIVES	normals; methods of intervals; increasing and decreasing functions; Maxima and	would be taught through senses board and software dealt with teaching learning process.					V			
3	JUNE	19	Week 1	0											
			Week 2	6	CH. 6 APPLICATIONS OF DERIVATIVES	cost; variable cost; average cost; Demand function; Revenue function; profit	would be taught through senses board and software dealt with teaching learning process.					$\checkmark$			
			Week 3	6	CH. 7 INTEGRALS	integrals; integration by substitution; anti derivative; integration by partial fraction;	would be taught through senses board and software dealt with teaching learning process.					$\checkmark$			
			Week 4	6	CH.8 DIFFERENTIAL EQUATIONS	solution of a differential equation; formation of differential equations; solving	would be taught through senses board and software dealt with teaching learning process.	MATHS LAB: DIFFERENTIAL EQUATIONS				V			
			Week 5	1	CH.8 DIFFERENTIAL EQUATIONS	Growth and Decay model; Newton's law of cooling; Carbon dating; Case study	would be taught through senses board and software dealt with teaching learning process.								
4	JULY	27	Week 1	5	CH. 9 PROBABILITY	Mean and variance of probability distribution; Binomial distribution; concept	would be taught through senses board and software dealt with teaching learning process.								
			Week 2	6	CH. 9 PROBABILITY	Mean and variance of probability distributions;	would be taught through senses board and software dealt with teaching learning process.								
			Week 3	6	CH. 10 INFERENTIAL STATISTICS	sampling; Parameter and statistic; central limit theorem; point estimation; Interval	would be taught through senses board and software dealt with teaching learning process.								
			Week 4	6	CH. 10 INFERENTIAL STATISTICS	Assertion reasoning type questions; case study questions;	would be taught through senses board and software dealt with teaching learning process.								
			Week 5	4	CH. 11 TIME BASED DATA	series; method of moving averages; Trend analysis; method of least squares; procedure	would be taught through senses board and software dealt with teaching learning process.	MATHS LAB: AVERAGES							
5	AUGUST	23	Week 1	2	CH.12 PERPETUITY, SINKING FUNDS AND EMI	when payment made at the beginning of every period; when payment made at the	would be taught through senses board and software dealt with teaching learning process.								
			Week 2	5	CH.12 PERPETUITY, SINKING FUNDS AND EMI	Sinking fund; Equated monthly installment; Flat rate method; Reducing balance method	would be taught through senses board and software dealt with teaching learning process.								
			Week 3	5	CH. 13 RETURNS, GROWTH AND DEPRECIATIOIN	return; Effective rate of return; CAGR Compound annual growth rate;	would be taught through senses board and software dealt with teaching learning process.								

		Week 4	6	CH. 13 RETURNS, GROWTH AND DEPRECIATIOIN	Depreciation; Linear or straight line method; Declining balance method;	would be taught through senses board and software dealt with teaching learning process.	MATHS LAB: LINEAR METHOD				
		Week 5	5	CH. 14 LINEAR PROGRAMMING	Simple problems involving 2 layer or 3 layer table of constraints; maximise or	would be taught through senses board and software dealt with teaching learning process.					
6 SEPTEM	BER 2:	5 Week 1	5								
		Week 2	6								
		Week 3	6	CH. 14 LINEAR PROGRAMMING	Transportation problems that involves 3 layer particulars	would be taught through senses board and software dealt with teaching learning process.	CASE STUDY ACTIVITY				
		Week 4	6		sample t - test; Revision of margin of error; confidence interval;	would be taught through senses board and software dealt with teaching learning process.					
		Week 5	2		find out area under the curve of normal distribution;	would be taught through senses board and software dealt with teaching learning process.					
7 OCTOBE	R 11	3 Week 1	3		fund raised in a stipulated period of time; EMI using formula; using table of values;	would be taught through senses board and software dealt with teaching learning process.					
		Week 2	6								
		Week 3	4								
		Week 4	0								
		Week 5	0								
8 NOVEM	BER 2	3 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 DECEME	BER 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 JANUAR	Y 2	2 Week 1	0		REVISION	WORK SHEET AND SAMPLE PAPERS					

	Week 2	6	PRE BOARD -3					Í
	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						