

Month	Week Number	1st Class	2nd Class	3rd Class	
October	Week 1	Basic properties of functions (domain, range), limit	AP	Problem Solving	Beginner
	Week 2	differentiation	GP, HP	Problem Solving	
	Week 3	integration	Logarithms	Problem Solving	
	Week 4	Trigonometry	Geometry	Problem Solving	
November	Week 5	Determinants	Algebra Problems	Problem Solving	
	Week 6	Matrices (basic operations)	Algebra Problems	Problem Solving	
	Week 7	matrix inverse	Polynomials	Problem Solving	
	Week 8	Properties of Matrices	Inequalities	Problem Solving	
December	Week 9	Eigen values, eigen vectors	Number Theory 1	Problem Solving	Beginner + Advanced
	Week 10	Factorization of Matrices and Diagonalization	Number Theory 2	Problem Solving	
	Week 11	Types of Functions (basic types and injective, bijective and surjective)	Binomial Theorem 1	Problem Solving	
	Week 12	graph plotting	Binomial Theorem 2	Problem Solving	
	Week 13	maxima-minima, derivative problems	Problems	Problem Solving	
January	Week 14	applications of calculus (area, height and distance)	Dmath (Combinatorics)	Problem Solving	
	Week 15	Roll's Theorem, LMVT, fixed point, Intermediate value property	Dmath (Combinatorics)	Problem Solving	
	Week 16	Introduction to Programming 1	Dmath (Combinatorics)	Problem Solving	
	Week 17	Introduction to Programming 2	Dmath (Combinatorics)	Problem Solving	
February	Week 18	Exploratory Data Analysis (Histogram, scatter plot, line plot, pie chart)	Classical Definition of Probability	Problem Solving	
	Week 19	Data Interpretation	Classical Definition of Probability (Conditional and Bayes Theorem)	Problem Solving	
	Week 20	Mean, Median, Mode, Standard Deviation, Expectation, Random variable, PDF, CDF	Dmath (Logic)	Problem Solving	
	Week 21	Probability Distribution 1 (Discrete - bernouli, binomial, poisson)	Dmath (Logic)	Problem Solving	
March	Week 22	Probability Distribution 2 ( Discrete - Geometric, Hyper geometric, Continuous - Uniform, Normal, Exponential)	Dmath (Logic)	Problem Solving	
	Week 23	Probability Distribution 3 (Beta, Gamma, Weibull, Pareto)	Dmath (Logic)	Problem Solving	
	Week 24	Programming	Programming	Problem Solving	

	<b>Week 25</b>	<b>Programming</b>	<b>Programming</b>	<b>Problem Solving</b>	
<b>April</b>	<b>Mock Test</b>				