





Month	Distribution of syllabus	No. of periods	No. of working days	Weightage covered	Progressive weightage
December	<p>Limit and differentiation</p> <p>Derivative introduced as rate of change both as that of distance function and geometrically, intuitive idea of limit. Definition of derivative, relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.</p> <p><b>Mathematical Reasoning:</b></p> <p>Mathematically acceptable statements. Connecting words/phrases - consolidating the understanding of "if and only if (necessary and sufficient) condition", "implies", "and/or", "implied by", "and", "or", "there exists" and their use through variety of examples related to real life and Mathematics. Validating the statements involving the connecting words difference between contradiction, converse and contrapositive.</p>	26	19	06	88
January	<p><b>Statistics:</b></p> <p>Measures of dispersion; mean deviation, variance and standard deviation of ungrouped/grouped data. Analysis of frequency distributions with equal means but different variances.</p> <p><b>Probability:</b></p> <p>Random experiments: outcomes, sample spaces (set representation). Events: occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events Axiomatic (set theoretic) probability, connections with the theories of earlier classes. Probability of an event, probability of 'not', 'and' &amp; 'or' events.</p>	20	23	12	100
February	<b>Revision</b>				

Note- Every week atleast one computer aided class should be organised.