

BabaFatehSinghjiGovt.College,Assandh,Karnal

Department of Mathematics

Class: B.Com-I (Sem-II)

Session: 2023 - 2024 LessonPlan: Business Mathematics

Sr.No		
1	Week1 15 Feb To 17 Feb	<ul style="list-style-type: none"> * Derivative of a simple function * General Rules of Differentiation * Differentiation of Product of two functions * Derivative of function of a function (chain Rule)
2	Week2 19 Feb To 24 Feb	<ul style="list-style-type: none"> * Differentiation of logarithmic and Exponential function * <u>do</u> Differentiation of implicit functions * <u>do</u> Logarithmic Differentiation
3	Week3 26 Feb To 2 March	<ul style="list-style-type: none"> * Differentiation in Case of Parametric Function * <u>do</u> Derivatives of higher order * Maxima * Local Maxima and Local Minima.
4	Week-4 4 March To 9 March	<ul style="list-style-type: none"> * First derivative test for finding Maxima & minima * Second derivative test for finding Local Maxima and minima. * Practical Problems on Maxima and minima * OPTimizations of Economic functions.
5	Week-5 11 March To 16 March	<ul style="list-style-type: none"> * Indefinite Integral * Integration By Substitution * Integration By parts, Partial fractions * <u>do</u> Definite Integral
6	Week-6 18 March To 23 March	<ul style="list-style-type: none"> * Applications of Integration in Commerce and Economics, * Consumer's and Producer's Surplus. * Permutations, factorial Notations * <u>do</u>

7	Week 7 1 April To 6 April	* Combinations, Practical Problems on Combinations. <u>do</u>
8	Week-8 8 April To 13 April	* Binomial theorem for Any Positive Integral Index. * General term in a Binomial Expansion. <u>do</u> * Binomial theorem for any index <u>do</u>
9	Week-9 15 April To 20 April	* System of Linear equations and the Graph of its solution set * Linear Programming—meaning and its importance, Advantages and Limitations of Linear Programming. <u>do</u>
10	Week-10 22 April To 30 April	* Applications of Linear Programming in solving. Problems Related to Business and Commerce <u>do</u> * Simplex Method of Solving L.P.P * Solution of Minimum L.P.P. By Using Simplex Method.