

Lesson Plan

Name of the Assistant/ Associate Professor... SAHESH DEVI.

Class and Section: B. Com 1st Year Sem 2nd

Subject: Business Mathematics (Maths) 2018

Week	Date	Topics
1	1-Jan-18	Winter vacation 2018.
	2-Jan-18	
	3-Jan-18	
	4-Jan-18	
	5-Jan-18	
	6-Jan-18	
	7-Jan-18	
2	8-Jan-18	Algebra of Matrices: → Introduction, Matrices
	9-Jan-18	Some Definition, Type of matrices.
	10-Jan-18	Basic operations on matrices,
	11-Jan-18	Multiplication of matrices, Properties of matrix multiplication
	12-Jan-18	Positive integral power of matrices, Theorem.
	13-Jan-18	Transpose of a matrix
	14-Jan-18	Sunday
3	15-Jan-18	Symmetric matrix, and skew symmetric matrices
	16-Jan-18	Some results on symmetric and skew symmetric matrices.
	17-Jan-18	Determinant: → Introduction
	18-Jan-18	determinant of a square matrix of order two.
	19-Jan-18	determinant of a square matrix of order three.
	20-Jan-18	Minors and co-factors.
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Expansion of a determinant in terms of co-factors.
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Singular and non-singular matrices.
	26-Jan-18	Republic Day
	27-Jan-18	Properties of determinants.
	28-Jan-18	Sunday
5	29-Jan-18	Evaluations of determinant without expanding.
	30-Jan-18	Elementary operations
	31-Jan-18	Test.

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Subject: Business mathematics (maths)

Week	Date	Topics
	1-Feb-18	Matrices Continued: → Introduction. Adjoint of a matrix
	2-Feb-18	Inverse of a square matrix, using elementary operations.
	3-Feb-18	Solution of system of linear eq ⁿ , consistent and inconsistent eq ⁿ .
	4-Feb-18	Sunday
6	5-Feb-18	Solution of system of L.E by using determinants, using matrices
	6-Feb-18	Application of matrix inversion method for solution of system L.E
	7-Feb-18	Differentiation: → Introduction, limit of a function.
	8-Feb-18	The derivative of a function. differential co-efficient
	9-Feb-18	Method to find derivative of a function from first principal
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
7	12-Feb-18	General theorem on differentiation, diff. of product of two f ⁿ .
	13-Feb-18	Maha Shivratri
	14-Feb-18	Differentiation of quotient of two function; chain rule
	15-Feb-18	logarithmic and exponential function.
	16-Feb-18	Differentiation of implicit functions.
	17-Feb-18	logarithmic differentiation. Case of parametric function.
	18-Feb-18	Sunday
8	19-Feb-18	Derivatives of higher order,
	20-Feb-18	Application of derivatives: → Introduction,
	21-Feb-18	Rate of change of quantities,
	22-Feb-18	Maxima and minima, Local maxima and local minima.
	23-Feb-18	First derivatives test for finding local maxima and minima.
	24-Feb-18	second derivatives test for finding " " " "
	25-Feb-18	Sunday
9	26-Feb-18	Absolute maxima and minima. Problem on maxima and minima
	27-Feb-18	optimization of economic function
	28-Feb-18	Conditions for profit maximization.

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Class and Section: B.Com Ist sem 2nd.

Subject: Business mathematics.

Week	Date	Topics
	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Compound interest: → Introduction,
	4-Mar-18	Sunday
10	5-Mar-18	Simple interest, solved example.
	6-Mar-18	Compound interest, Exercise.
	7-Mar-18	Determination of compound interest without using formula.
	8-Mar-18	Solved example, test.
	9-Mar-18	General formulae for determination of C.I.
	10-Mar-18	Continuous compounding of interest
	11-Mar-18	Sunday
11	12-Mar-18	Problem of effective rate of interest
	13-Mar-18	Depreciation and population.
	14-Mar-18	Solved example.
	15-Mar-18	Exercise.
	16-Mar-18	Test.
	17-Mar-18	Annuities: → Introduction.
	18-Mar-18	Sunday
12	19-Mar-18	Type of Annuities.
	20-Mar-18	Sinking fund, solved example.
	21-Mar-18	Amount of an Annuity.
	22-Mar-18	Solved example, Exercise.
	23-Mar-18	Present value of an annuity.
	24-Mar-18	Solutions of Practical problems related to annuities.
	25-Mar-18	Sunday/ Ram Navami
13	26-Mar-18	Present value and amount of annuities when the interest C.I.
	27-Mar-18	Solved example,
	28-Mar-18	Exercise.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Test.
	31-Mar-18	Exercise.

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Week	Date	Topics
14		Sunday
	1-Apr-18	
	2-Apr-18	Ratio and Proportion: → Introduction.
	3-Apr-18	Ratio, Commensurable and incommensurable quantities.
	4-Apr-18	Comparison of Ratios
	5-Apr-18	Ratio of greater inequality, less inequality and equality
	6-Apr-18	Composition of ratio
	7-Apr-18	Proportion, solved examples.
15	8-Apr-18	Sunday
	9-Apr-18	Continued proportion
	10-Apr-18	Properties of proportion.
	11-Apr-18	Addendo theorem or equal ratio.
	12-Apr-18	Solution of problems on proportion by using K-method
	13-Apr-18	Percentage & Profit and Loss: → Percentage. Dr Ambedkar Jayanti / Vaisakhi
	14-Apr-18	
	15-Apr-18	Sunday
16	16-Apr-18	Some useful Results.
	17-Apr-18	Profit and loss, Parashurama Jayanti
	18-Apr-18	
	19-Apr-18	Profit and loss percentage.
	20-Apr-18	Solved example.
	21-Apr-18	Test.
	22-Apr-18	Sunday
	17	23-Apr-18
24-Apr-18		unit - test.
25-Apr-18		
26-Apr-18		
27-Apr-18		
28-Apr-18		