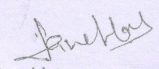


**Lesson Plan For B.Com 1st Year (Mathematics)
Session - 2021-2022 (April to June 2022)**

April 2022	First week	definition of matrix types of matrix algebra of matrix
	Second week	calculation of values of determinants up to 3rd order urgent of a matrix elementary row and colum operations
	Third week	determinant by using operations solution of system of linear equation
	Fourth week	differentiation
May 2022	First week	application of differentiation
	Second week	compound interest and their properties certain different type of interest rate
	Third week	type of annuities present value and amount of an annuity
	Fourth week	ratio proportion and percentage
June 2022	First week	profit and loss
	Second week	Revision and test
	Third week	Revision and test
	Fourth week	Revision and test


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**Lesson Plan For B.Sc 1st Year (Mathematics)
Session - 2021-2022 (April to June 2022)**

April 2022	First week	Exact differential equation and their method and its type
	Second week	De Moivre's theorem its applications
	Third week	Expansion of trigonometrical function direct circular and hyperbolic function
	Fourth week	Linear differential equation with constant Coefficient homogeneous linear ordinary Differential Equation equation reducible to homogeneous linear ordinary Differential Equation
May 2022	First week	Circular and hyperbolic function and their properties
	Second week	Logarithm of complex quantities scalar and vector product of three vectors and reciprocal vectors
	Third week	Divisibility Gd LCM fundamental theorem of arithmetic
	Fourth week	Linear congruence format and Wilson theorem linear differential equation of second order reduction formula
June 2022	First week	Gradient of scalar point function geometrical interpretation of gradient 5 gradient as point function divergence and curl of vector point function
	Second week	Complete Residue system and reduced Residue system model Five function and Chinese remainder theorem
	Third week	Ordinary simultaneous differential equation and their solution total differential equation method of auxiliary equation
	Fourth week	Orthogonal curvilinear coordinate gradient divergence curl and laplacement operator in terms of orthogonal curvy linear vector integration linear integral surface integral

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**Lesson Plan For B.Sc 2nd Year (Mathematics)
Session - 2021-2022 (April to June 2022)**

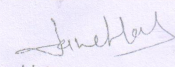
April 2022	First week	sequences theorem on limit of sequences bounded and monotonic sequence sub sequence
	Second week	infinite series convergence and divergence of infinite series comparison test geometric series hype harmonic p-series
	Third week	infinite series D alembert's ratio test root test raabe test logarithmic test De morgan's test
	Fourth week	Laplace transform existence theorem for Laplace transform linearity shifting theorem differentiation and integration of Laplace inverse Laplace theorem
May 2022	First week	Laplace transformation linear property shifting modulation convolution theorem fourier transformation of derivative relation between fourier and laplace
	Second week	solution of algebraic and transcendental equation bi section method regula-falsi method secan method Newton rephson's method Newton's iterative method order of convergence
	Third week	simultaneous linear algebraic equation gauss- elimination method gauss-Jordan method triangulation method Crout method
	Fourth week	Boundedness of set of real number g.l.b l.u.b neighbourhood interior point isolated point limt point open and closed set bolzano weisrass theorem
June 2022	First week	series solution of differential equation power series definition of beta and gamma function bessel equation and properties
	Second week	program model of computer flowcharts data types operator and expressions
	Third week	Alternating series Leibnie test absolute and conditional convergence abel formula abel test dirichet test theorem rearrangement theorem
	Fourth week	decision control structure decision statement logical and conditional statement implementation of loop

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**Lesson Plan For B.Sc 3rd Year (Mathematics)
Session - 2021-2022 (April to June 2022)**

April 2022	First week	vector space Sub space linear span linear independent and dependent subject of vector space existence theorem for basis finately generated vectors space invariants of the number of element of basis
	Second week	Jacobian beta and gamma functions and their properties
	Third week	homorphism and isomorphism of vector space linear transformations null space range space rank and nullity theorem
	Fourth week	Fourier serie Fourier expansion of piece wise monotonic function property of Fourier Series
May 2022	First week	velocity and acceleration along radical transverse tangential and normal direction
	Second week	mass momentum and newton's law of motion, work, power and energy
	Third week	algebra of linear transformation, minimal polynomial, singular and non singular linear transformation matrix of linear transformation, change of basis
	Fourth week	product space cauchy sechwarz inequality orthogonal set orthogonal compliment orthogonal basis gram-schmidt orthogonalization process
June 2022	First week	extended complex plane stereography projection of complex functions continuity and differencability of complex function analytics function
	Second week	mapping by elementary function transaction rotation magnification and inversion formal mapping
	Third week	motion on smooth and rough plane curves vector angular velocity
	Fourth week	General motion of a rigid body Central orbits Kepler law



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