







**GOVT. COLLEGE FOR GIRLS, RANIA (SIRSA)**

Lesson Plan Session 2023-24

Name of Asstt./Asso. Prof. ANIL KUMAR Sem 6<sup>th</sup> Sem.

Class and Sanction BA/Bsc 6<sup>th</sup> Sem. Subject Real Anal. Complex Analysis

Month	Week	Topic
Jan	2nd	Jacobians
Jan	3rd	Beta and Gamma Functions
Jan	4th	Double Integral
Jan	5th	Triple Integral
Feb	1st	Fourier series Means
Feb	2nd	Fourier Expansion of Piecewise monotonic Continuous Functions.
Feb	3rd	Fourier Series Change of Intervals
Feb	4th	Half Range Series
Feb	5th	Poisson's Identity for Fourier series
March	1st+2nd	Stereographic Projection, continuous and Uniform continuous of a Complex function
March	3rd	Differentiability and Analytic function.
March	4th	CRI Equations of Analytic function.
March	5th	Möbius transformations.
April	1st	Construction of an Analytic function.
April	2nd	Elementary Functions
April	3rd	Möbius Transformations
April	4th+5th	Critical mappings.

  
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Lesson Plan Session 2022-23 2023-24

Name of Asstt./Asso. Prof. ✓ Dr. R. A. T. K. U. M. A. P. Sem. 6<sup>TH</sup>

Class and Sanction B.A./B.Sc. III Subject LINEAR ALGEBRA

Month	Week	Topic
Jan	2nd	Vectors spaces, Subspaces, Linear Span
Jan	3rd	Basis and Dimension
Jan	4th	Quotient spaces
Jan	5th	Q.S. and related problems
Feb	1st	Linear Transformations
Feb	2nd	L.T. and related problems
Feb	3rd	Rank and Nullity
Feb	4th	R.N. their problems
Feb	5th	Algebra of linear Transformations
March	1st + 2nd	L.T's Algebra problems
March	3rd	Matrix of linear Transformations
March	4th	Dual space
March	5th	Eigen values and Eigen Vectors
April	1st	Inner Product Spaces
April	2nd	I.P.S. and related problem
April	3rd	Linear Operators on I.P.S.
April	4th + 5th	I.P.S. problems

  
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Lesson Plan Session 2022-23 2023-24

Name of Asstt./Asso. Prof. Dr. RAIKUMAR Sem. 6TH

Class and Sanction B.A./B.Sc. III Subject DYNAMICS

Month	Week	Topic
Jan	2nd	Velocity and Accetosation along radial
Jan	3rd	Transverse, tangential and $\omega$ directions.
Jan	4th	Relative Velocity and acceleration
Jan	5th	Simple Harmonic motion
Feb	1st	Elastic Strings
Feb	2nd	Mass, momentum and Force.
Feb	3rd	Newtons Laws of motion.
Feb	4th	work, power & Energy.
Feb	5th	Definition of conservative forces & I. forces
March	1st + 2nd	motion on smooth and rough plane curves.
March	3rd	Projectile motion of a particle in a plane.
March	4th	Vector angular Velocity.
March	5th	General motion of a rigid body.
April	1st	Central Orbits
April	2nd	Kepler's law of motion
April	3rd	motion of a particle in three dimensional
April	4th + 5th	Acc. in terms of different co-ordinate systems

  
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Lesson Plan Session 2022-23 2023-24

Name of Asstt./Asso. Prof. ✓ Dr. RATKUMAR Sem. 1<sup>TH</sup>

Class and Sanction B.A/B.Sc. II<sup>ND</sup> Subject Sequences and Series

Month	Week	Topic
Jan	2nd	Topology of Real numbers
Jan	3rd	Topology of real numbers & Their Problems
Jan	4th	Least upper bound and g. lower bound
Jan	5th	Bolzano-Weierstrass theorem
Feb	1st	Sequences
Feb	2nd	Convergence and divergence of Sequences
Feb	3rd	Sequences and related problems
Feb	4th	Infinite series
Feb	5th	Infinite series and related problems
March	1st+2nd	Infinite Series (Continued)
March	3rd	Continued related problems
March	4th	Alternating Series
March	5th	A.S. and related problems
April	1st	Arbitrary Series
April	2nd	Arbitrary series and related problems
April	3rd	Infinite products
April	4th+5th	Infinite products and related problems

  
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