

GOVT. COLLEGE FOR GIRLS, RANIA (SIRSA)

Lesson Plan Session 2021-22

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

Class and Sanction.....B.A./B.Sc 3rd year.....Subject.....Real And complex Analysis.....

Month	Week	Topic
March	04	Jacobians
	05	Beta Functions
April	01	Gamma Functions
	02	Double And Triple Integral
	03	Fourier Series for even and odd functions. And Fourier Expansion of functions having pts of discontinuity
	04	Fourier Series for change of interval
May	01	Half Range Series And Parseval's identity for Fourier series.
	02	Limit, continuity and differentiability of a complex function.
	03	Cauchy-Riemann Equations And Analytic function.
	04	Construction of an analytic function by using Milne's Thompson's method.
	05	Applications of Analytic functions to field And flow problems.
June	01	mapping by Elementary functions
	02	conformal mapping.
	03	Mobius transformations.
	04	Inverse points
	05	Critical mappings.
July	01	Critical mappings continue.


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Lesson Plan Session 2021-22

Name of Asstt./Asso. Prof. ANIL KUMAR Sem 2nd

Class and Sanction BA./BSc. Ist year Subject Ordinary Differential Eqs.

Month	Week	Topic
March	04	Exact Differential Equations.
	05	Solve Exact Differential Equations by Using Integrating factors.
April	01	Equations solvable for 'x', for 'y' and for 't'.
	02	Lagrange's Equation, Clairaut's Equation and Singular solutions.
	03	Orthogonal Trajectories.
	04	Linear Differential Equations with constant Co-efficient.
May	01	Linear Diff Eqs with constant co-efficients. continue.
	02	Homogeneous Linear Equations.
	03	^{solution} of Linear Diff. Eqs of 2nd order by changing dependent variable and Removing the 1st derivative
	04	Solution of Linear Diff Eq. of 2nd order by changing the independent variable, by variation of parameters And by the method of Undetermined coefficients.
	05	Solution of ordinary Simultaneous Equations.
June	01	Continue solution of ordinary Simult. Eqs.
	02	Solution of Simultaneous Eq. by $\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R}$
	03	Inspection method for solving total Diff. Eqs.
	04	method for solving homogeneous Eqs.
	05	method of Auxiliary Eqs.
July	01	continue method of Auxiliary Eqs.

m. Pandey


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Name of Asstt./Asso. Prof. ANIL KUMAR Sem. 4th

Name of Asstt./Asso. Prof.....ANIL KUMAR.....Sem. 4th.....
Class and Sanction.....B.A/B.Sc. 2nd year.....Subject.....Special Functions And Integral Transforms.....

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Name of Asstt./Asso. Prof. ANIL KUMAR Sem. 4th

Name of Asstt./Asso. Prof. ANIL KUMAR Sem. 4th
Class and Sanction. B.A./BSc 2nd year Subject Programming In C And Numerical methods

Month	Week	Topic
march	04	Algorithm and Flow charts.
	05	Introduction to C
April	01	Data Types.
	02	Operators And Expressions.
	03	Decision Control structures.
	04	Loops.
may	01	Functions.
	02	The C - Preprocessor
	03	Arrays
	04	Subsetting of strings.
	05	Structures And unions.
June	01	Pointers
	02	Files in C
	03	Solution of Algebraic And Transcendental Equations.
	04	Simultaneous linear Algebraic Eqs. by Gauss-elimination, Gauss Jordan and LU decomposition method.
	05	Cramer's, Cholesky method.
July	01	Iterative, Jacobis, Gauss - Seidel's, Relaxation methods


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