LESSON PLAN OF PHYSICS

Name of College:- CH. BANSI LAL GOVT. P.G. COLLEGE LOHARU (BHIWANI)

Academic Session:- 2021-2022

Semester:-B.Sc/ B.A. 5thSem

Subject:- Numerical Analysis

Teacher name:- Ms. Meenesh kumari

	LESSON PLAN OF Numerical Analysis
August :	**Finite difference operators and their relations,**
	Finding the missing terms and error tabular values,
	Newton 's forward and backward interpolation formulae,
	Newton's divided difference ,lagrange's Interpolation formulae, Hermite formula
September	**Central Differences, Gauss forward and Gauss backward interpolation formulae**
	SteelinSterling formulae and Bessel formula,
	probability distribution of random variables ,Binomial distribution, Poisson's distribution
	Normal distribution, Mean, Variance and Fitting
October:	Numerical Differentiation, Derivative of a function using interpolation formulae,
	Eigen Value problems : Power method,Jacobi's

	method, Given's method House-Holder's method
November:	QR-method, Lanczo's method, Newton-Cote's Quadrature formula, Trapezoidal rule , Simpson's one -third and three -eighth rule,
	Chebychev formula, Gauss Quadrature formula, Tayor's series method, Euler's method,
December:	Runge - Kutta methods , Multiple step method, Predictor -corrector method, Modified Euler's method, Milne- Simpson's method.

LESSON PLAN OF MATHEMATICS

Name of College:- CH. BANSI LAL GOVT. P.G. COLLEGE LOHARU (BHIWANI)

Academic Session:- 2021-22

Semester:- B.Sc. Non Medical 3rd Sem

Subject:-Programming in C and Numerical Methods

Teacher name:- Meenesh kumari

	LESSON PLAN OF Programming in C and Numerical Methods
September:	**Strings: Character data type,Sta Standard string handling functions,Arith Arithmetic operations on characters structures Definition**
	Using structures, use of structures inarrays and arrays in structures
October:	**Pointers data type, pointers and arrays, pointers and functions, solutions of algebraic and transcendental equations: Bisection method, Regula-Falsi method, Secant method**
November:	**Newton - Raphaon's method, Newton's interative method for finding Pth root of a number, Order of convergence ofabove methods**
	Simultaneous linear algebraic equations: Gauss-dimination method, Gauss-Jordan method
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December:	**Triangulatizatio method, Court's method, Chalesky decomposition method, InterativInteractive method, Jacobi's method, Gauss- Seidel's method, Relareation method.**