Lesson Plan 2022-23 (Even semester)

Name- Meenakshi Class- B.A. 2nd sem

Department - Mathematics Subject- Ordinary diffential Equations and Laplace Transforms Subject Code- BAMH-104

S. No	. Week	Name of Topic
1	1 st week 13-18 February	Geometrical Meaning of a Differential Equation, Exact diff. equation, Integrating Factors.
2	2 nd week 20-25 February	Integrating Factors continue, First order higher degree equation solvable for x, y and p.
3	3 rd week 27-04 March	Lagrange's eq., Clairat eq., Eq. reducible to clairat's eq., singular solution.
4	4 th week 13-18 March	Orthogonal Trajectories in cartesian co-ordinate and polar co-ordinate, self orthogonal families of curve
5	5 th week 20-25 March	Linear differential equation with constant co-efficient.
6	6 th week 27-01 April	Homogeneous ordinary linear differential eq., Eq. reducible to homogeneous.
==	7 th week 03-08 April	Linear differential equation of second order.
/	8 th week 10-15 April	Reduction to normal form, Transformation of the eq. by changing the dependent/independent variable, Methods of variation of parameter.
8	9 th week 17-22 April	Laplace transforms, Linear property, shifting theorem, Laplace transform of derivative and integration, Differentiation and integration of laplace, Convolution Theorem
9 1	10 th week 24-29 April	Inverse Laplace transform, Inverse laplace transform of derivative
10	11 th week 01-06 May	Solution of diff. eq. by laplace transform
	12 th week 08-12 May	Revision

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Lesson Plan 2022-23 (Even semester)

Name- Meenakshi Class- B.A. 2nd sem

Department - Mathematics Subject- Vector Calculus and Geometry Subject Code- BAMH-105

S. No.	Week	Name of Topic
1	1 st week 1 ⁴ -18 February	Scaler and vector product of three vectors, Product of four vectors, Reciprocal vectors
2	2 nd week 20-25 February	Vector differentiation, Scaler valued point functions, vector valued point functions, derivative along a curve, directional derivative, Gradient of a scaler point functions.
3	3 rd week 27 04 March	Laplacian Operator.
4	4 th week 13-18 March	Vector integation, indefinite integation, definite integation, standard results of integration, Line integral, surface integral, Volume integral.
5	5 th week 20-25 March	Gauss divergance theorem, Green theorem, Stoke theorem.
6	6 th week 27-01 April	General eq. of second degree, Tracing of conics, system of conics, confocal conics.
7	7 th week 03-08 April	Tangent at any point to the conic, chord of contact, pole of line to the conic, Director circle of conic, Polar eq. of a conic, Tangent and normal to the conic.
8	8 th week 10-15 April	Sphere, sphere through a given circle, Intersection of two spheres, vertical plane of two spheres, co-axial system of spheres.
9	9 th week 17- 22 April	Cones, enveloping cones, reciprocal cones.
10	10 th week 24- 29 April	cylinder, enveloping cylinder
11	11 th week 01-06 May	Revision
12	12 th week 08-12 May	Revision

Meenelyhi 14/02/2023

Govt. College Balsamand (Hisar)

Lesson Plan 2022-23

Name of Asst. Prof.- Meenakshi

Dept. Mathematics

Class- B.A 1st

Subject- Mathematical Lab-II

Semester- 2nd

Paper Code-BAMH (P)-106

Week	Topic
1st week	Introduction to Functions, Advantage of Functions, Function Definition and
14-18 Feb	Body, Nesting of Functions
2nd week	Arrays, One dimensional Array, two dimensional arrays, Multi Dimensional
20-25 Feb	Arrays
3rd week	Passing arrays to functions, String, Standard string handling functions, arithmetic
27 Feb-4 March	operations on characters
4 th week	Pointer and Arrays, Structures, Arrays and structure
13-18 March	그런 그렇게 되는 그리고 하나가 하는 그 그들은 그리고 말하는 경기를 하는 것이라고 있다.
5 th week	Program to add two matrices, Program to find transpose of a matrix.
20-25 March	
6 th week 27	Program to multiply two matrices Program to find the inverse of a matrix.
March- 01 Apr	
7 th week	Program to find the san of a series. Trigonometric series: sin(x), cos(x), tan(x),
03 -08 Apr	etc.
8 th week	Program to sort an entire array using bobble short
10 -15 Apr	
9 th week	Program to find trace of 3X3 Matrix, Program to find largest of three numbers
17 -22 Apr	using function.
10 th week	Program to find factorial of a number using recursion
24-29 Apr	
11 th week	Program to generate n Fibonacci terms using recursion,
01-06 May	
12 th week	Program to count number of vowels and consonants in a given sentence
08-12 May	and a given sentence
18 th week	Program to print a salary chart for employer of a company
29-30 Apr	2 Signature Simple of a company

Mandel