

## LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
5	1/10	Introduction of algebraic & transcendental eqn	I	C.R		
5	6/10	bisection method	"	"		
7	7/10	Contd problems	"	"		
1	8/10	Iteration method	"	"		
4	9/10	Contd problems	"	"		
5	10/10	Newton Raphson method	"	"		
5	13/10	Contd problems	"	"		
7	14/10	Regula-falsi method	"	"		
1	15/10	Contd problems	"	"		
4	16/10	fit a straight line	"	"		
5	17/10	Contd problem	"	"		
5	20/10	fit a parabola	"	"		
2	27/10	Contd problem	"	"		
1	28/10	fit a exponential curve	"	"		
4	27/10	fit a power curve	"	"		
5	27/10	Introduction of Interpolation	II	"		
5	28/10	finite difference tables	"	"		
7	29/10	problems on finite differences	"	"		
1	30/10	Symbolic Relations	"	"		
4	31/10	Newton forward	"	"		

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5	3/11	Newton back ward	II	e. R		
5	5/11	Craus forward	"	"		
7	6/11	Craus backward	"	"		
1	7/11	Stirling's formula	"	"		
4	10/11	Lagrange's formula	"	"		
5	11/11	derivatives of Newton forward	"	"		
5	12/11	derivatives of Newton backward	"	"		
7	13/11	derivatives of <del>Newton</del> Stirling's formula	"	"		
1	14/11	Trapezoidal rule	"	"		
4	17/11	Simpson's 1/3 rule	"	"		
5	18/11	Simpson's 3/8 Rule	"	"		
5	19/11	Introduction of numerical Solution of O.E	III	"		
7	20/11	Taylor's series	"	"		
1	21/11	Contd problems	"	"		
4	24/11	Picard's method	"	"		
5	25/11	Contd problem	"	"		
5	26/11	Euler's method	"	"		
7	27/11	Contd probly	"	"		
1	28/11	modified Euler's method	"	"		
4	29/11	Contd problems	"	"		

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5	1/12	R-K method	III	C.R		
5	2/12	Contd problem	"	"		
7	3/12	Introduction of Laplace transforms	IV	"		
1	4/12	L.T of standard form	"	"		
4	5/12	Shifting theorem	"	"		
5	8/12	Contd problems	"	"		
5	9/12	L.T of derivatives	"	"		
7	10/12	Contd problem	"	"		
1	11/12	L.T of Integrating	"	"		
4	12/12	Contd problems	"	"		
5	15/12	Unit step function	"	"		
5	16/12	Dirac delta function	"	"		
7	17/12	Introduction of Inverse Laplace transforms.	"	"		
1	18/12	Shifting theorem	"	"		
4	19/12	I.L.P of derivatives	"	"		
5	22/12	I.L.P of Integrals	"	"		
5	23/12	Convolution theorem	"	"		
7	24/12	Applications of I.L.P	"	"		
1	26/12	Introduction of P.D.E	V	"		
4	29/12	Formation of P.D.E eliminates arbitrary constant.	"	"		

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5	30/12	formation of P.D.E elimination of arbitrary functions	IV	C.R		
5	31/12	Solution of P.D.Es (linear equations (Lagrange))	"	"		
7	2/1/15	Cauchy problems	"	"		
1	5/1/15	nonlinear equations $f(x, y, z) = 0$	"	"		
4	6/1	$f(x, y, z) = 0$	"	"		
5	7/1	$f(x, y, z) = f(x, y) \&$ $z = px + qy + f(x, y)$	"	"		
5	8/1	$f(x, y, z) = 0 \&$ $f(x, y, z, t) = 0$	"	"		
7	9/1	Method of separation of variables	"	"		
1	15/1	one dimensional wave equation	"	"		
4	16/1	one dimensional Heat equation	"	"		