

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks
4 ¹⁵	2/8	Introduction for method on D.B.	I	CR	
3	3/8	Definition and formation of D.B.	1	CR	
5	3/8	Exact D.B. problems	1	CR	
4	4/8	Exact D.B. problems D. factor.	1	CR	
5	4/8	Method - I / Homogeneous / Hardy	1	CR	
2	6/8	Method - II / Hardy	1	CR	
3	6/8	Method - III & IV $\frac{1}{M}(\frac{\partial M}{\partial x} - \frac{\partial M}{\partial y})$; $\frac{1}{N}(\frac{\partial N}{\partial x} - \frac{\partial N}{\partial y})$	1	CR	
4	9/8	Problems on above Methods Inspection Method	1	CR	
3	10/8	Linear D.B. Defining problems	1	PPT	
5	10/8	Problem on L.D.B.	1	CR	
4	11/8	Bernoulli's D.B. Problem	1	CR	
5	11/8	Problem on Bernoulli's	1	CR	
2	13/8	Application of D.B. orthogonal Trajectories	1	PPT	
3	13/8	Problem on Self orthogonal Trajectories.	1	CR	
4	16/8	Problem on Newton cooling	1	PPT	
3	17/8	Problem on Newton cooling	1	CR	
5	17/8	Growth & Decay problems	1	PPT	
4	18/8	Growth & Decay problem	1	CR	
5	18/8	Radioactive substance $\frac{1}{2}$ life problems.	1	CR	
2	20/8	Problems on above Applications	1	CR	

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3	20/8	Problem on P.E.	II	CR		
4	23/8	Problem on D.E.	II	CR		
3	24/8	Higher order D.E.	II	PPT		
5	24/8	Auxiliary Eq. roots Complementary function	II	CR		
4	25/8	Problem on Complementary function.	II	CR		
5	25/8	Particular Integral Basic formula.	II	CR		
2	27/8	P.I. $\frac{1}{f(D)} e^{ax}$	II	PPT		
3	27/8	P.I. $\frac{1}{f(D)} \sin ax, \cos ax$	II	PPT		
4	30/8	P.I. $\frac{1}{f(D)} x^n$	II	CR		
3	31/8	P.I. $\frac{1}{f(D)} e^{ax} \cos bx$	II	CR		
5	31/8	P.I. $\frac{1}{f(D)} x^n V(x)$	II	CR		
4	1/9	Problems on above P.I.	II	CR		
5	1/9	Problems on above P.I.	II	CR		
2	3/9	Variation of Parameters Problem	II	CR		
3	3/9	Variation of Parameters Problem	II	CR		
4	5/9	Cauchy D.E. Problem	II	CR		
3	7/9	Cauchy D.E. Problem	II	CR		
5	7/9	Taylor Series Problem	III	PPT		
4	8/9	Taylor Series Problem	III	CR		
5	8/9	Maclaurian Series Problem	III	CR		

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2	10/9	Maclaurin's series problems.	"	CR		
3	10/9	Taylor's series (Two variables)	"	CR		
4	13/9	Problem on Two variables	"	CR		
3	14/9	Jacobian problems	4	CR		
5	14/9	Jacobian Problem functionally dependent	"	CR		
4	15/9	Problem on Max. Min.	4	CR		
5	15/9	Problem on Max. Min.	4	CR		
2	17/9	Problem on Max. Min.	4	CR		
3	17/9	double Integral	IV	PPT		
4	20/9	Problem on double Integral	4	CR		
3	21/9	Triple integral problems.	4	CR		
5	24/9	Change of Variable in double.	4	CR		
4	22/9	Change of Integral in Triple Integral.	4	CR		
5	22/9	order of Change of Integral	4	PPT		
2	24/9	order of Change of Integral.	4	CR		
3	24/9	Cartesian Coordinates	4	CR		
4	27/9	Polar coordinates order of change of Int	"	CR		
3	28/9	Problems related to above	"	CR		
5	28/9	Triple and double Integral problems.	"	CR		
4	29/9	Problem on order of change of	4	CR		

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5	24/9	Problems on order & Class of Solution	1	CL	
2	30/9	Tutorials	1	CL	
3	30/9	Tutorials	1	CL	
4	4/10	Def of Vector partially differential Eq	2	CL	
3	5/10	Gradient / Problems	1	CL	
5	7/10	Divergence problems	1	CL	
4	8/10	Problems on gradient & divergence	1	CL	
5	6/10	Problems on divergence	1	CL	
4	12/10	Problem on curl (Def)	1	CL	
5	13/10	Problems on curl	1	CL	
2	19/10	Tutorials	1	CL	
3	19/10	Tutorials	1	CL	
4	18/10	Problem on curl	1	CL	
3	19/10	Laplacian & 2nd order	1	CL	
5	19/10	Vector Identities	1	CL	
4	20/10	Tutorials	1	CL	
5	20/10	Vector Identities	1	CL	
2	22/10	Tutorials	1	CL	
3	22/10	Tutorials	1	CL	
4	25/10	Vector Identities	1	CL	

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3	26/10	Vector Identities.	"	CR	
5	26/10	Line Integral problems	"	CR	
4	27/10	Work done problems	"	CR	
5	28/10	Potential function problem.	"	CR	
4	1/11	Surface Integral problem	"	CR	
3	2/11	Volume Integral problem	"	CR	
5	2/11	Problem on Area.	"	CR	
4	3/11	Problems on above topics	"	CR	
5	3/11	Gauss divergence theorem problem	"	CR	
4	8/11	Problems on Gauss diver	"	CR	
3	9/11	Problem on Gauss divergence	"	CR	
5	9/11	Problem on Green's theorem	"	CR	
4	10/11	Problems on Green's theorem	"	CR	
5	10/11	Problems on Stokes theorem	"	CR	
4	15/11	Problems on Stokes theorem.	"	CR	
3rd	16/11	Revision of problem solving	"	CR	
5th	16/11	Revision of problems solving	"	CR	
4th	17/11	Revision of problems solving	"	CR	
5th	17/11	Revision of problems solving	"	CR	
4th	22/11	Revision of problems solving	"	CR	

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3 rd	23/11	Revision of problems	II	CR	
5 th	23/11	Revision of problems	I	CR	
4 th	24/11	Revision of problem solving	I	CR	
5 th	24/11	Revision of problem solving	I	CR	