

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	28/12/15	Introduction to Matrices, Def. types of matrices, Properties.	I	In C.R. Room & Black Board		
4	30/12/15	Def. of Min. of a matrix, Sub-matrix, & rank of a matrix, Properties.	"	C.R.		
2	31/12/15	Echelon Form of a Matrix.	"	"		
3	31/12/15	Problems to Obtain the rank of A by reducing it to Echelon form.	"	"		
4	4/1/16	Normal form of a matrix, & Problems on Normal form.	"	"		
4	6/1/16	Working Rule to obtain two Non-Singular Matrices P, Q $\Rightarrow PAQ = I_n$.	"	"		
2	7/1/16	Problems to Generate the matrices P, Q from A.	"	"		
3	7/1/16	Introduction to Linear System of Equations.	"	"		
4	11/1/16	Concept of Consistency & Inconsistency & Problems.	"	"		
4	13/1/16	Solution of $AX=B$ (B to) By Gauss Elimination Method.	"	"		
2	14/1/16	Working rule, Problems, Gauss Jordan Method.	"	"		
4	18/1/16	Working rule, Problems, Gauss-Seidel Method.	"	"		
4	20/1/16	Working rule, Problems.	"	"		
2	21/1/16	Finding the Current in an Electrical Circuit.	I	"		
3	21/1/16	Introduction to Eigen value, Def. Eigen vector Def.	II	"		
4	25/1/16	Properties of Eigenvalues & Eigen Vectors.	"	"		
4	27/1/16	Problems to Working rule to find Eigen value & Eigen Vectors of a Square.	"	"		
2	28/1/16	Problems to find E.V. & E.V.	"	"		
3	28/1/16	Problems to find.	"	"		
4	1/2/16	Eigen values & Eigen vectors.	II	"		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	3/2/16	Cayley-Hamilton Theorem Statement.	II	C.R		
2	4/2/16	Problem on Verification of C.H. Theorem.	"	"		
3	4/2/16	Problems on Verification of C.H. Theorem.	"	"		
4	8/2/16	Problem to find A^{-1} & A^4 by using C.H. Theorem.	"	"		
4	10/2/16	Introduction to Quadratic Form.	"	"		
2	11/2/16	Reduction of Q.F to Canonical Form by	"	"		
3	11/2/16	Orthogonal Reduction & Problems	"	"		
4	15/2/16	Def. of Index, Signature rank, and Nature of a Q.F	"	"		
4	17/2/16	Problem to find index, rank, Signature Nature.	II	"		
2	18/2/16	Fourier Series Introduction Periodic function.	III	"		
3	18/2/16	Euler's function, values of a_0, a_n & b_n in	"	"		
4	22/2/16	the interval $[0, c+2\pi]$, $[0, 2\pi]$, $[-\pi, \pi]$,	"	"		
4	24/2/16	Fourier Series for Even & Odd functions	"	"		
2	25/2/16	Problems	"	"		
3	25/2/16	Half range Sine & Cosine Series & Problems	II	"		
4	28/2/16	Problems on Half range Sine & Cosine Series	"	"		
4	2/3/16	Fourier Sine & Cosine integrals,	"	"		
2	3/3/16	Fourier Sine & Cosine transforms & Properties	"	"		
3	3/3/16	Inverse Fourier transform	"	"		
4	7/3/16	Finite Fourier transform	III	"		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	9/3/16	Z-transform Introduction.	IV	C.R		
2	10/3/16	Z-transform of Some Standard Functions.	"	"		
3	10/3/16	Properties, Damping Rule.	"	"		
4	14/3/16	Shifting Properties, & Problems.	"	"		
4	16/3/16	Initial & final value theorems.	"	"		
2	17/3/16	Inverse - Z-transform.	"	"		
3	17/3/16	Evaluation of Z^{-1} by Partial Fractions & Problems.	"	"		
4	21/3/16	Evaluation of Z^{-1} by Using Convolution theorem.	"	"		
2	24/3/16	Problems on Convolution theorem.	"	"		
3	24/3/16	Difference eq. Solution by Using Z-transform.	IV	"		
4	28/3/16	Gamma - & Beta Function Def. of Beta Function	V	"		
4	30/3/16	Properties of Beta Function	"	"		
2	31/3/16	Problems on Beta Function	"	"		
3	31/3/16	Def. of Gamma Function. & Properties.	"	"		
4	4/4/16	Problems on Gamma Function.	"	"		
4	6/4/16	Relation b/w Beta & Gamma Functions	"	"		
2	7/4/16	Problems on $B(m, n) = \frac{\Gamma(m)\Gamma(n)}{\Gamma(m+n)}$	"	"		
2	11/4/16	Evaluation of Improper Integrals by Using Beta &	"	"		
4	13/4/16	Problems Evaluation of Integrals	V	"		
2	18/4/16	Revision Class.	"			