

TEACHING PLAN FOR THEORY

Subject: Engg Maths-I		Class: F.Y.B.Tech.(F Div.)		Year 2018-19	
Lecture No.	Scheduled Date	Topics to be covered on the scheduled date	Dates On which Actually covered	Reasons for deviation (if any)	
		UNIT-I : Matrices			
1	30/7/2018	Basics of Matrix,			
2	31/7/2018	Rank of Matrix			
3	2/8/2018	Reduction methods Normal form,			
	3/8/2018	TAEI			
4	6/8/2018	Row Echelon form and PAQ form			
5	7/8/2018	System of Linear algebraic equations			
6	7/8/2018	homogeneous equations			
7	8/8/2018	Non-homogeneous equations			
	9/8/2018	TUTORIAL 1			
		UNIT-II:Linear Algebra			
8	10/8/2018	Linear dependence and independence of vectors			
9	13/8/2018	Linear and Orthogonal Transformation			
		CAE-I			
10	20/8/2018	Eigen values, Eigen vectors(Symmetric Matrices)			
11	21/8/2018	Eigen values, Eigen vectors (Non Symmetric Matrices)			
12	23/8/2018	Cayley-Hamilton theorem			
		UNIT-III : Differential Calculus and Expansion of Functions			
13	24/8/2018	Successive Differentiation			
	25/8/2018	TUTORIAL 2			

14	27/8/2018	Finding Nth Derivative by standard function		
15	28/8/2018	trigonometrical transformation		
16	30/8/2018	Partial fraction method		
	31/8/2018	TAEII		
17	3/9/2018	Leibnitz's Theorem		
18	4/9/2018	Indeterminate Forms, L' Hospital's Rule,		
19	5/9/2018	Indeterminate Forms, L' Hospital's Rule,		
20	7/9/2018	Taylor's Series and Maclaurine's series with standard expansion,		
	7/9/2018	TUTORIAL 3		
21	11/9/2018	Taylor's Series and Maclaurine's series with standard expansion,		
22	12/9/2018	differentiation and Integration, use of substitution		
		UNIT-IV : Infinite Series		
23	14/9/2018	Infinite Sequences, Infinite Series, Alternating Series		
	14/9/2018	TUTORIAL 4		
		CAE-II		
24	24/9/2018	p test, comparison test, D'Alemberts Ratio test,		
25	25/9/2018	Raabe's test, Leibnitz test,		
26	26/9/2018	Absolute and Conditional Convergence		
27	27/9/2018	Range of Convergence		
		UNIT-V : Integral Calculus		
28	28/9/2018	Reduction Formulae		
	28/9/2018	TAEIII		
29	1/10/2018	Reduction Formulae		
30	3/10/2018	Beta and Gamma functions,		
31	3/10/2018	Beta and Gamma functions,		
32	5/10/2018	Differentiation Under Integral Sign		
	5/10/2018	TUTORIAL 5		
	7/10/2018	TAE-VI		
		Unit – VI : Solid Geometry		
33	8/10/2018	Cartesian, Spherical, Polar and Cylindrical Co-ordinate Systems		
34	9/10/2018	Sphere,		

		CAE-III		
35	15/10/2018	Sphere,		
36	16/10/2018	Sphere,		
37	17/10/2018	Sphere,		
38	22/10/2018	Cylinder		
	23/10/2018	TUTORIAL 6		
39	23/10/2018	Examples for revision		
40	24/10/2018	Cone		
41	25/10/2018	Examples for revision		
	27/10/2018	TUTORIAL 7		
42	27/10/2018	Misellaneous Problems		
43	29/10/2018	Misellaneous Problems		
44	30/10/2018	Misellaneous Problems		
45	31/10/2018	Revision		
46	1/11/2018	Revision		
47	2/11/2018	Revision		
48	3/11/2018	Revision		

Subject teacher

KAUSHAL KHATRI