DRONACHARYA
College of Engineering

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department:Applied Sciences ad Humanities

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code:MATH-102-F(MATHEMATICS-II)

Name of Faculty with designation : Ashok Kumar , Associate Professor

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	09.01.2018 Tuesday(I)	II-CSE-I	2	Exact Differential Equations.	………	**Assignment of 02 Ques. given**
January	10.01.2018 wednesday(III)	II-CSE-I	2	Equations reducible to exact differential equation.		**Assignment of 02 Ques. given**
January	11.01.2018 Thursday(II)	II-CSE-I	2	Equations reducible to exact differential equation.		**Assignment of 02 Ques. given**
January	12.01.2018 Friday(IV)	II-CSE-I	2	Application of differential equation in R.L.series circuit.Application in Newton's law of cooling		**Assignment of 02 Ques. given**
January	16.01.2018 Tuesday(I)	II-CSE-I	2	Application to Heat flow. Orthogonal trajectories.		**Assignment of 02 Ques. given**
January	17.01.2018 wednesday(III)	II-CSE-I	2	Linear diff. Eq. of second & higher order. Rules for finding the complementary function.		**Assignment of 02 Ques. given**
January	18.01.2018 Thursday(II)	II-CSE-I	2	Complementary f^n and particular integral.		**Assignment of 02 Ques. given**
January	19.01.2018 Friday(IV)	II-CSE-I	2	Method of variation of Parameters to find Particular integral. Cauchy's Homogeneous differential equation.		**Assignment of 02 Ques. given**
January	23.01.2018 Tuesday(I)	II-CSE-I	2	Legendere's linear differential equation and problems.Simultaneous Linear equations with constant coefficients.		**Assignment of 02 Ques. given**
January	24.01.2018 wednesday(III)	II-CSE-I	2	Application of Linear differential equation		**Assignment of 02 Ques. given**
January	25.01.2018 Thursday(II)	II-CSE-I	3	Laplace transform of elementary function. Properties of Laplace Transform.		**Assignment of 02 Ques. given**

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	30.01.2018 Tuesday(I)	II-CSE-I	3	Evaluation of integrals by Laplace transforms.		**Assignment of 02 Ques. given**
January	31.01.2018 wednesday(III)	II-CSE-I	3	Inverse transforms using properties.		**Assignment of 02 Ques. given**
February	01.02.2018 Thursday(II)	II-CSE-I	3	Inverse Using Partial Fraction.		**Assignment of 02 Ques. given**
February	02.02.2018 Friday(IV)	II-CSE-I	3	Convolution theorem.		**Assignment of 02 Ques. given**
February	06.02.2018 Tuesday(I)	II-CSE-I	3	Laplace transform of unit-step function, unit – Impulse function and periodic function		**Assignment of 02 Ques. given**
February	07.02.2018 wednesday(III)	II-CSE-I	3	Application of Laplace transform to solve linear differential equations		**Assignment of 02 Ques. given**
February	08.02.2018 Thursday(II)	II-CSE-I	3	Application of Laplace transform to solve linear differential equations		**Assignment of 02 Ques. given**
February	09.02.2018 Friday(IV)	II-CSE-I	3	Simultaneous linear diff. Eq. With constant co-efficient		**Assignment of 02 Ques. given**
12th February to 17th February 2018				**FIRST SESSIONAL EXAMINATION**		
Month	**Date & Day**	**Sem-Class**	**Unit**	**Topic/Chapter covered**	**Academic activity**	**Test / assignment**
February	20.02.2018 Tuesday(I)	II-CSE-I	4	Formation of partial differential eqs.		**Assignment of 02 Ques. given**
February	21.02.2018 wednesday(III)	II-CSE-I	4	Solution of partial differential Equation		**Assignment of 02 Ques. given**
February	22.02.2018 Thursday(II)	II-CSE-I	4	Lagrange's linear partial diff. Equations		**Assignment of 02 Ques. given**
February	23.02.2018 Friday(IV)	II-CSE-I	4	First order non – linear partial differential equation		**Assignment of 02 Ques. given**
February	27.02.2018 Tuesday(I)	II-CSE-I	4	First order non – linear partial differential equation		**Assignment of 02 Ques. given**
February	28.02.2018 wednesday(III)	II-CSE-I	4	First order non – linear partial differential equation		**Assignment of 02 Ques. given**
March	06.03.2018 Tuesday(I)	II-CSE-I	4	Charpit's method		**Assignment of 02 Ques. given**
March	07.03.2018 wednesday(III)	II-CSE-I	4	Method of separation of variables and its applications		**Assignment of 02 Ques. given**
March	08.03.2018 Thursday(II)	II-CSE-I	4	Application to wave equation, one and two dimensional heat flow.		**Assignment of 02 Ques. given**

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
March	09.03.2018 Friday(IV)	II-CSE-I	4	Revision of partial differential equation		**Assignment of 02 Ques. given**
March	13.03.2018 Tuesday(I)	II-CSE-I	1	Gradient of a scalar field and directional derivatives		**Assignment of 02 Ques. given**
March	14.03.2018 wednesday(III)	II-CSE-I	1	Divergence and curl of a vector fields.Physical interpretations of Divergence and Curl		**Assignment of 02 Ques. given**
March	15.03.2018 Thursday(II)	II-CSE-I	1	Properties of Divergence and Curl		**Assignment of 02 Ques. given**
March	16.03.2018 Friday(IV)	II-CSE-I	1	Integration of vectors : line integral,surface integral		**Assignment of 02 Ques. given**
19th March to 24th March 2018				**SECOND SESSIONAL EXAMINATION**		
March	27.03.2018 Tuesday(I)	II-CSE-I	1	Integration of vectors: volume integral		**Assignment of 02 Ques. given**
March	28.03.2018 wednesday(III)	II-CSE-I	1	Green's theorem		**Assignment of 02 Ques. given**
April	03.04.2018 Tuesday(I)	II-CSE-I	1	Stoke's theorem		**Assignment of 02 Ques. given**
April	04.04.2018 wednesday(III)	II-CSE-I	1	Gauss theorem		**Assignment of 02 Ques. given**
April	05.04.2018 to 13.04.2018	II-CSE-I	1	Revision		
16th April to 23rd April 2018				**Pre-University EXAMINATION**		