Name: **Dr. Vandana Gupta**
Class and Section: **B.A. /B.Sc IInd Sem**
Subject**:** **ODE/ Number Theory and Trigonometry**

Week	Date	Topic
1	1-Jan-18	Geometrical meaning of a differential equation. Exact differential equations
	2-Jan-18	Integrating factors. Equation reducible to Clairaut's form. Singular solutions.
	3-Jan-18	-do-
	4-Jan-18	-do-
	5-Jan-18	**Guru Gobind Singh Jayanati**
	6-Jan-18	-do-
	7-Jan-18	**Sunday**
2	8-Jan-18	First order higher degree equations solvable for x,y,p Lagrange's equations
	9-Jan-18	-do-
	10-Jan-18	-do-
	11-Jan-18	-do-
	12-Jan-18	Clairaut's equations
	13-Jan-18	-do-
	14-Jan-18	**Sunday**
3	15-Jan-18	Orthogonal trajectories: in Cartesian coordinates and polar coordinates.
	16-Jan-18	-do-
	17-Jan-18	-do-
	18-Jan-18	-do-
	19-Jan-18	-do-
	20-Jan-18	-do-
	21-Jan-18	**Sunday**
4	22-Jan-18	**Basant Panchami**
	23-Jan-18	Self orthogonal, family of curves. Linear differential equations with constant coefficients.
	24-Jan-18	**Sir Chhotu Ram Jayanti**
	25-Jan-18	-do-
	26-Jan-18	**Republic Day**
	27-Jan-18	-do-
	28-Jan-18	**Sunday**
5	29-Jan-18	-do-
	30-Jan-18	-do-
	31-Jan-18	**Guru Ravidas Jayanti**

Week	Date	Topic
1	1-Feb-18	Homogeneous linear ordinary differential equations.
	2-Feb-18	-do-
	3-Feb-18	-do-
	4-Feb-18	**Sunday**
2	5-Feb-18	Equations reducible to homogeneous differential equations.
	6-Feb-18	-do-
	7-Feb-18	-do-
	8-Feb-18	-do-
	9-Feb-18	-do-
	10-Feb-18	**Maharishi Dayanand Sarswati Jayanti**

	11-Feb-18	**Sunday**
3	12-Feb-18	Linear differential equations of second order: Reduction to normal form.
	13-Feb-18	**Mahashivratri**
	14-Feb-18	-do-
	15-Feb-18	Transformation of the equation by changing the dependent variable/ the independent variable.
	16-Feb-18	-do-
	17-Feb-18	Solution by operators of non-homogeneous linear differential equations.
	18-Feb-18	**Sunday**
4	19-Feb-18	-do-
	20-Feb-18	Reduction of order of adifferential equation.
	21-Feb-18	-do-
	22-Feb-18	Method of variations of parameters.
	23-Feb-18	-do-
	24-Feb-18	-do-
	25-Feb-18	**Sunday**
5	26-Feb-18	Method of undetermined coefficients.
	27-Feb-18	-do-
	28-Feb-18	**University Holidays**

Week	Date	Topic
1	1-Mar-18	**University Holidays**
	2-Mar-18	**University Holidays**
	3-Mar-18	**University Holidays**
	4-Mar-18	**University Holidays/Sunday**
2	5-Mar-18	Ordinary simultaneous differential equations. Solution of simultaneous differential equations
	6-Mar-18	-do-
	7-Mar-18	Total differential equations
	8-Mar-18	-do-
	9-Mar-18	Sessional
	10-Mar-18	-do-
	11-Mar-18	**Sunday**
3	12-Mar-18	Method of auxiliary equations.
	13-Mar-18	-do-
	14-Mar-18	De Moivre's Theorem and its Applications.
	15-Mar-18	-do-
	16-Mar-18	-do-
	17-Mar-18	-do-
	18-Mar-18	**Sunday**
4	19-Mar-18	Expansion of trigonometrical functions.
	20-Mar-18	-do-
	21-Mar-18	-do-
	22-Mar-18	Direct circular and hyperbolic functions and their properties.
	23-Mar-18	**Shahidi diwas of Bhagat Singh**

	24-Mar-18	-do-
	25-Mar-18	**Sunday**
5	26-Mar-18	Inverse circular and hyperbolic functions and their properties.
	27-Mar-18	-do-
	28-Mar-18	-do-
	29-Mar-18	**Mahavir Jayanti**
	30-Mar-18	-do-
	31-Mar-18	-do-

Week	Date	Topic
	1-Apr-18	**Sunday**
1	2-Apr-18	Logarithm of a complex quantity
	3-Apr-18	-do-
	4-Apr-18	-do-
	5-Apr-18	-do-
	6-Apr-18	-do-
	7-Apr-18	-do-
	8-Apr-18	**Sunday**
2	9-Apr-18	Gregory's series.
	10-Apr-18	-do-
	11-Apr-18	-do-
	12-Apr-18	-do-
	13-Apr-18	-do-
	14-Apr-18	**Dr. Amdedkar Jayanti and Vaisakhi**
	15-Apr-18	**Sunday**
3	16-Apr-18	-do-
	17-Apr-18	-do-
	18-Apr-18	**Parshuram Jayanti**
	19-Apr-18	Summation of Trigonometry series
	20-Apr-18	-do-
	21-Apr-18	-do-
	22-Apr-18	**Sunday**
4	23-Apr-18	-do-
	24-Apr-18	-do-
	25-Apr-18	Revision
	26-Apr-18	Revision
	27-Apr-18	Revision
	28-Apr-18	Revision