

### Lesson Plan

Name of the Assistant/ Associate Professor..... Mrs. Vandana Jangra..... (Maths)

Class and Section:..... B.A. Ist Sem II.....

Subject:..... Ordinary Differential Equations.....

Week	Date	Topics
1	1-Jan-18	Introduction of differential Equation
	2-Jan-18	Types of equation.
	3-Jan-18	Order and degree and formation
	4-Jan-18	Example.
	5-Jan-18	Integrating factor.
	6-Jan-18	Example
	7-Jan-18	Sunday
2	8-Jan-18	Continue.
	9-Jan-18	Class Test
	10-Jan-18	Equation solvable for p.
	11-Jan-18	Example.
	12-Jan-18	Equation solvable for y
	13-Jan-18	Example.
	14-Jan-18	Sunday
3	15-Jan-18	Lagrange's Equation
	16-Jan-18	Clairaut's Equation
	17-Jan-18	Example
	18-Jan-18	Singular Solution
	19-Jan-18	Example.
	20-Jan-18	Class test.
	21-Jan-18	Sunday
4	22-Jan-18	Basant Panchmi
	23-Jan-18	Orthogonal trajectories.
	24-Jan-18	Example.
	25-Jan-18	Linear differential eq. with constant coefficient
	26-Jan-18	Republic Day.
	27-Jan-18	Example.
	28-Jan-18	Sunday
5	29-Jan-18	Some theorems.
	30-Jan-18	Example.
	31-Jan-18	Class Test.



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Class and Section:..... B.A. Ist. Sem. IInd.....

Subject:..... Ordinary Differential Equation.....

Week	Date	Topics
1	1-Feb-18	Homogenous linear Equation
	2-Feb-18	Method of Solution
	3-Feb-18	Example
	4-Feb-18	Sunday
2	5-Feb-18	Method of finding particular Integral
	6-Feb-18	Example
	7-Feb-18	To solve linear diff equation
	8-Feb-18	Example
	9-Feb-18	Theorem to solve linear diff eq.
	10-Feb-18	Example
	11-Feb-18	Sunday
3	12-Feb-18	Example, continue
	13-Feb-18	Class Test
	14-Feb-18	Introduction
	15-Feb-18	Example
	16-Feb-18	Continue
	17-Feb-18	Simultaneous Eq. of the form
	18-Feb-18	Sunday
4	19-Feb-18	Example
	20-Feb-18	Continue
	21-Feb-18	Total differential equation definition
	22-Feb-18	Necessary and Sufficient Condition
	23-Feb-18	Condition of exactness
	24-Feb-18	Example
	25-Feb-18	Sunday
5	26-Feb-18	Method - II
	27-Feb-18	Example
	28-Feb-18	Holi Break



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Week	Date	Topics
1	1-Mar-18	Holi Break
	2-Mar-18	Holi Break
	3-Mar-18	Holi Break
	4-Mar-18	Sunday
2	5-Mar-18	Method - III
	6-Mar-18	Example
	7-Mar-18	Method - IV
	8-Mar-18	Example
	9-Mar-18	Solve equation by removing the first derivative
	10-Mar-18	Continue.
	11-Mar-18	Sunday
3	12-Mar-18	Solve equation by changing the dependent
	13-Mar-18	Continue
	14-Mar-18	Example.
	15-Mar-18	Continue
	16-Mar-18	class Test
	17-Mar-18	Solve eq by changing independent variable
	18-Mar-18	Sunday
4	19-Mar-18	Continue
	20-Mar-18	Example.
	21-Mar-18	Continue
	22-Mar-18	class test
	23-Mar-18	Solve eq. by method of variation of Parameter
	24-Mar-18	Continue
	25-Mar-18	Sunday
5	26-Mar-18	Example.
	27-Mar-18	Continue
	28-Mar-18	Solve equation by method of undetermined coeffi.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Continue.
	31-Mar-18	Example.