

### Lesson Plan

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

Class and Section: B.A. - I st Sem. II rd

Subject: Number Theory and Trigonometry

Week	Date	Topics
1	1-Jan-18	Introduction and definition P.M.I.
	2-Jan-18	Some theorems.
	3-Jan-18	Example.
	4-Jan-18	Continue.
	5-Jan-18	Division Algorithm.
	6-Jan-18	Gauss Theorem
	7-Jan-18	Sunday
2	8-Jan-18	Example
	9-Jan-18	Fundamental Theorem.
	10-Jan-18	Example.
	11-Jan-18	Class Test.
	12-Jan-18	Congruences
	13-Jan-18	Some theorems on Congruences
	14-Jan-18	Sunday
3	15-Jan-18	Example
	16-Jan-18	Continue
	17-Jan-18	Linear Congruence Theorem
	18-Jan-18	Example
	19-Jan-18	Class test
	20-Jan-18	Fermat's Theorem
	21-Jan-18	Sunday
4	22-Jan-18	Basant Panchmi
	23-Jan-18	Example.
	24-Jan-18	wilson's theorem.
	25-Jan-18	Example.
	26-Jan-18	Republic Day.
	27-Jan-18	Simultaneous linear Congruence.
	28-Jan-18	Sunday
5	29-Jan-18	Chinese remainder thm.
	30-Jan-18	Example.
	31-Jan-18	Euler's function.



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Class and Section:..... B.A. 1st..... Sem. IInd.....

Subject:..... Number Theory and Trigonometry.....

Week	Date	Topics
1	1-Feb-18	Example
	2-Feb-18	Continues.
	3-Feb-18	Residues.
	4-Feb-18	Sunday
2	5-Feb-18	Euler's generalization thm.
	6-Feb-18	Example.
	7-Feb-18	Greatest Integer function.
	8-Feb-18	Example.
	9-Feb-18	Continue.
	10-Feb-18	Class Test
	11-Feb-18	Sunday
3	12-Feb-18	Mobius Inversion formulae
	13-Feb-18	Example.
	14-Feb-18	Quadratic Congruence
	15-Feb-18	Example
	16-Feb-18	Some thms.
	17-Feb-18	Example.
	18-Feb-18	Sunday
4	19-Feb-18	Legendre symbol.
	20-Feb-18	Gauss theorems
	21-Feb-18	Example
	22-Feb-18	Class Test
	23-Feb-18	De-moivre's thms.
	24-Feb-18	Example.
	25-Feb-18	Sunday
5	26-Feb-18	Continuous.
	27-Feb-18	Roots of a complex number
	28-Feb-18	Holi' break



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Subject:..... Number Theory and Trigonometry.....

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	Example.
	6-Mar-18	Solution of equation
	7-Mar-18	Example
	8-Mar-18	Formation of equation
	9-Mar-18	Example
	10-Mar-18	Exponential function of complex variable
	11-Mar-18	Sunday
3	12-Mar-18	Properties.
	13-Mar-18	Example.
	14-Mar-18	Circular function
	15-Mar-18	Example.
	16-Mar-18	Logarithms of complex quantity.
	17-Mar-18	Example.
	18-Mar-18	Sunday
4	19-Mar-18	Inverse circular fun. of a real variable.
	20-Mar-18	Example.
	21-Mar-18	Inverse circular function.
	22-Mar-18	Example.
	23-Mar-18	Inverse hyperbolic function.
	24-Mar-18	Example.
	25-Mar-18	Sunday
5	26-Mar-18	Gregory's Series.
	27-Mar-18	Summation of Series.
	28-Mar-18	Example.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Method of Difference.
	31-Mar-18	Example