

Lesson Plan

Name of the Assistant/ Associate Professor..... Reju

Class and Section:..... B.A. (1 year) 1st sem

Subject:..... Mathematics

Week	Date	Topics
1	1-Jan-18	<div style="border: 1px solid black; padding: 10px; transform: rotate(-45deg); display: inline-block;"> winter vacations </div>
	2-Jan-18	
	3-Jan-18	
	4-Jan-18	
	5-Jan-18	
	6-Jan-18	
	7-Jan-18	
2	8-Jan-18	Principle of Mathematical Induction
	9-Jan-18	Theorems on Divisibility
	10-Jan-18	Theorems on Divisibility
	11-Jan-18	Division Algorithm
	12-Jan-18	Greatest common divisor and least common multiple
	13-Jan-18	Gauss Theorems
	14-Jan-18	Sunday
3	15-Jan-18	Some Theorems on Prime numbers
	16-Jan-18	Euclid's First Theorem, Euclid's second Theorem,
	17-Jan-18	Fundamental theorems of Arithmetic.
	18-Jan-18	Congruences, Theorems on Congruences
	19-Jan-18	Linear Congruence
	20-Jan-18	Linear Diophantine Equations
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Some Important Theorems
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Theorems
	26-Jan-18	Republic Day
	27-Jan-18	Fermat's Theorems
	28-Jan-18	Sunday
5	29-Jan-18	Wilson's Theorem
	30-Jan-18	Simultaneous Linear congruences
	31-Jan-18	Chinese Remainder Theorem

Lesson Plan

Name of the Assistant/ Associate Professor..... Rajni

Class and Section:..... B.A 1st year (Hons)

Subject:..... Mathematics

Week	Date	Topics
	1-Feb-18	Euler's Function (ϕ -function)
	2-Feb-18	Some Theorems on ϕ -Function
	3-Feb-18	
	4-Feb-18	Sunday
6	5-Feb-18	Residues
	6-Feb-18	Reduced Residue system (mod m)
	7-Feb-18	Euler's Generalization of Fermat's Theorem -
	8-Feb-18	Greatest integer function (Boole's function)
	9-Feb-18	de Polignac's Formula.
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
7	12-Feb-18	Arithmetic functions, Divisor function of n
	13-Feb-18	Maha Shivratri
	14-Feb-18	Perfect number, Some theorems on $d(n)$ and $\sigma(n)$
	15-Feb-18	The Mobius function; Theorems on mobius function
	16-Feb-18	Mobius Inversion formula.
	17-Feb-18	Quadratic congruence; Theorems on Quadratic congruence
	18-Feb-18	Sunday
	8	19-Feb-18
20-Feb-18		Euler's Criterion.
21-Feb-18		Legendre Symbol, Euler's Criterion using Legendre symbol
22-Feb-18		Gauss Lemma
23-Feb-18		Gauss reciprocity law (Quadratic reciprocity law)
24-Feb-18		De Moivre's Theorem
25-Feb-18		Sunday
9	26-Feb-18	Roots of a Complex number
	27-Feb-18	Solutions of Equations
	28-Feb-18	Formation of Equations

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Name of the Assistant/ Associate Professor..... Fajri

Class and Section:..... B.A. 1st year (1st Sem)

Subject:..... Mathematics

Week	Date	Topics
	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Some important Theorems
	4-Mar-18	Sunday
10	5-Mar-18	Cosine and sine in terms of x
	6-Mar-18	Expansion of $\sin^n x$ & $\cos^n x$
	7-Mar-18	Exponential Functions of a complex variable.
	8-Mar-18	To prove that $e^{x+iy} = e^x [\cos y + i \sin y]$
	9-Mar-18	Properties of Exponential functions
	10-Mar-18	Circular functions of Complex variables
	11-Mar-18	Sunday
11	12-Mar-18	Expansion of $\cos z$ and $\sin z$
	13-Mar-18	Euler's Theorem
	14-Mar-18	Periodicity of Circular functions
	15-Mar-18	Trigonometrical formulae for Complex Quantities
	16-Mar-18	Hyperbolic functions
	17-Mar-18	Expansion of $\sinh x$ and $\cosh x$ in powers of x
	18-Mar-18	Sunday
12	19-Mar-18	Periodicity of hyperbolic functions
	20-Mar-18	Relation between hyperbolic and Circular functions
	21-Mar-18	formulae of Hyperbolic functions
	22-Mar-18	Addition and Subtraction Formulae
	23-Mar-18	Hyperbolic Functions of $2x$
	24-Mar-18	" " of $3x$
	25-Mar-18	Sunday/ Ram Navami
13	26-Mar-18	Some important Theorems.
	27-Mar-18	Logarithm of a Complex Quantity
	28-Mar-18	Laws of logarithm for Complex numbers
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	The General Exponential function.
	31-Mar-18	General Logarithmic function.

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Name of the Assistant/ Associate Professor.....

Class and Section: B-A (1st year) (1st sec)

Subject: Mathematics

Week	Date	Topics
14	1-Apr-18	Sunday
	2-Apr-18	Some important theorems
	3-Apr-18	Inverse Circular functions of a real variable
	4-Apr-18	General values and Principle value
	5-Apr-18	Relations b/w inverse functions
	6-Apr-18	Some important results.
	7-Apr-18	Inverse Circular functions of a Complex number
	8-Apr-18	Sunday
15	9-Apr-18	Principal value and General value
	10-Apr-18	Inverse Hyperbolic functions
	11-Apr-18	Inverse Hyperbolic function in terms of Logarithms
	12-Apr-18	Gregory's Series
	13-Apr-18	Evaluation of π
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
16	16-Apr-18	Series of sines and cosines of angles which are in A.P.
	17-Apr-18	Some important result
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Method of Differences
	20-Apr-18	Some standard Results
	21-Apr-18	Series Depending on Logarithmic Series
	22-Apr-18	Sunday
	17	23-Apr-18
24-Apr-18		Summation of Series Depending on Hyperbolic
25-Apr-18		Principal value and General value
26-Apr-18		Summation of Series depending upto $\tan^{-1} x$
27-Apr-18		Sum the Series to infinity
28-Apr-18		Some important results.