

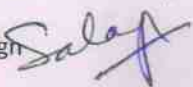
Maharani Kishori Jat Kanya Mahavidyalaya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of ^{Assistant} Associate Professor SALAJ.....

Class BA I..... Subject Number: theory & trigonometry

Week	Date	Topic
1	01.01.18	Winter vacation
	02.01.18	Winter vacation
	03.01.18	Winter vacation
	04.01.18	Winter vacation
	05.01.18	Winter vacation
	06.01.18	Introduction
	07.01.18	Sunday
2	08.01.18	Divisibility
	09.01.18	G.C.D., L.C.M., Division Algorithm
	10.01.18	fundamental Theorem of Arithmetic
	11.01.18	Doubt Class
	12.01.18	Congruences
	13.01.18	Problems on Congruences
	14.01.18	Sunday
	15.01.18	Test on Divisibility
3	16.01.18	Introduction to Congruences in linear form
	17.01.18	Problems on linear Congruences
	18.01.18	Linear Diophantine Equations
	19.01.18	Discussion & Problem Sol.
	20.01.18	Fermat's theorem & it's converse
	21.01.18	Sunday
	22.01.18	Basant Panchami
4	23.01.18	Test on Congruences
	24.01.18	Problems on Fermat's theorem
	25.01.18	Wilson's thm & its converse
	26.01.18	Republic Day
	27.01.18	Problems on Wilson's theorem
	28.01.18	Sunday
	29.01.18	Chinese Remainder theorem
5	30.01.18	Group Discussion
	31.01.18	Guru Ravidas Jayanti

Sign 

Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of ^{Assistant} Associate Professor S.A.K.J.

Class BA...I..... Subject Number...theory & Trigonometry

Week	Date	Topic
1	01.02.18	Written test on Fermat, Wilson's theorem
	02.02.18	De Moivre's theorem
	03.02.18	Questions based on De Moivre's theorem
	04.02.18	Sunday
2	05.02.18	Roots of a complex Number
	06.02.18	Solutions of Equations
	07.02.18	Expansion of $\cos n\theta$ & $\sin n\theta$
	08.02.18	Expansion of $\tan n\theta$ & Questions
	09.02.18	Problems based on De Moivre's theorem
	10.02.18	Maharshi Dayanand Saraswati Jayanti
	11.02.18	Sunday
	12.02.18	Formation of Equations
3	13.02.18	Maha Shivratri
	14.02.18	Written test based on De Moivre's theorem
	15.02.18	$\cos n\theta$ & $\sin n\theta$ in terms of x
	16.02.18	Expansion of $\sin^m \theta \cos^n \theta$
	17.02.18	Group Discussion & Problem Sol ⁿ
	18.02.18	Sunday
	19.02.18	Written test on De Moivre's theorem
	20.02.18	Exponential functions of a complex Variable
4	21.02.18	Circular functions of complex Variables
	22.02.18	Hyperbolic functions
	23.02.18	Separation into Real & Imaginary parts
	24.02.18	Problem's Solutions
	25.02.18	Sunday
	26.02.18	Test on Exponential, Circular & Hyperbolic functions
	27.02.18	Euler's Function
28.02.18	MDU Holidays	

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor ^{Assistant} SALAJ.....

Class BA - I..... Subject Number theory & Trigonometry

Week	Date	Topic
1	01.03.18	MDU Holidays
	02.03.18	MDU Holidays
	03.03.18	MDU Holidays
	04.03.18	Sunday
2	05.03.18	Problems ^{Written} test on Unit I & Unit III
	06.03.18	Problems on Euler's ϕ^n & Residue System
	07.03.18	Problems on Residue System
	08.03.18	Bracket function & theorems
	09.03.18	Problems on Bracket function
	10.03.18	de Polignac's formula
	11.03.18	Sunday
3	12.03.18	Divisor & Sigma function
	13.03.18	Problems on Divisor & Sigma function
	14.03.18	Mobius function
	15.03.18	Problems on Mobius function
	16.03.18	Introduction to Quadratic Congruences
	17.03.18	Doubt class
	18.03.18	Sunday
4	19.03.18	Test on Residue System
	20.03.18	Theorems on Quadratic residues
	21.03.18	Legendre Symbol
	22.03.18	Theorems on Legendre
	23.03.18	Shaheedi Diwas
	24.03.18	Theorems Continued
	25.03.18	Sunday
5	26.03.18	Gauss Reciprocity Law & its theorems
	27.03.18	Problems on Gauss Reciprocity Law
	28.03.18	Peer Group Discussion & Problem Sol.
	29.03.18	Mahavir Jayanti
	30.03.18	Test on Quadratic Residues &
	31.03.18	Test on Quadratic Reciprocity Law

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor ^{Assistant} SALAJ

Class B.A.J. Subject. Number theory & Trigonometry

Week	Date	Topic
	01.04.18	Sunday
1	02.04.18	Logarithm of complex Numbers & its laws
	03.04.18	Examples on logarithm of complex No.
	04.04.18	General Exponential Function
	05.04.18	General values & Principal values of Circular f ^m
	06.04.18	Relation b/w Circular f ^m & Examples
	07.04.18	Inverse Circular f ^m of a Complex No.
	08.04.18	Sunday
2	09.04.18	Test on Logarithm of Complex Numbers
	10.04.18	Inverse Hyperbolic Functions
	11.04.18	Gregory's Series
	12.04.18	Series of Sines & Cosines of Angles (Introduction)
	13.04.18	Doubt Class
	14.04.18	Baisakhi / Ambedkar Jayanti
	15.04.18	Sunday
3	16.04.18	Test on Inverse Circular & Hyperbolic f ⁿ s
	17.04.18	Problems on Sine & Cosine Series
	18.04.18	Parshuram Jayanti
	19.04.18	Method of differences
	20.04.18	C+LS Method of Summation
	21.04.18	Series depending upon Exponential, Sine & Cosine
	22.04.18	Sunday
4	23.04.18	Summation of Series depending on Hyperbolic Series
	24.04.18	Group Discussion
	25.04.18	Written test on Summation of Series
	26.04.18	Assignment on Unit - IV
	27.04.18	Revision & doubts on Unit - I
	28.04.18	Revision & doubt solving on Unit - II
	29.04.18	Sunday
	30.04.18	Revision

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Maharani Kishori Jat Kanya Mahavidyalya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of ^{Assistant} Associate Professor S.A.L.A.J.

Class B.A. II Subject: Special Functions & Integral Transforms

Week	Date	Topic
1	01.01.18	Winter vacation
	02.01.18	Winter vacation
	03.01.18	Winter vacation
	04.01.18	Winter vacation
	05.01.18	Winter vacation
	06.01.18	Introduction
	07.01.18	Sunday
2	08.01.18	Power Series : Convergence (def^n)
	09.01.18	Operation on Power Series
	10.01.18	Analytic function
	11.01.18	Existence of Power Series Solution
	12.01.18	Solution of Power series abt an ordinary point
	13.01.18	Frobenius Method
	14.01.18	Sunday
	15.01.18	When the roots of indicial eq ⁿ are equal
16.01.18	When roots are unequal & differ by an integer	
17.01.18	Unequal roots & making co-efficient indeterminate	
18.01.18	Discussion over Assignment	
19.01.18	Beta function, Gamma function	
20.01.18	Bessel's Equation	
21.01.18	Sunday	
4	22.01.18	Basant Panchami
	23.01.18	Written Test on Power Series
	24.01.18	Recurrence Relations for Bessel's functions
	25.01.18	Generating function
	26.01.18	Republic Day
	27.01.18	Discussion over Bessel's functions
	28.01.18	Sunday
	29.01.18	Equations reducible to Bessel's Eq ⁿ .
30.01.18	Problems based on reducible Eq ⁿ .	
31.01.18	Guru Ravidas Jayanti	

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Maharani Kishori Jat Kanya Mahavidyalaya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of ^{Assistant} Associate ProfessorS.A.L.A.J.....

ClassB.A. III..... Subject: Special Functions & Integral Transforms

Week	Date	Topic
1	01.02.18	Orthogonality Relation of Bessel's function
	02.02.18	Solution of Legendre's Equation
	03.02.18	Legendre's Polynomial & Questions
	04.02.18	Sunday
2	05.02.18	Rodrigue's Formula
	06.02.18	Derivation of Legendre's Polynomials
	07.02.18	Generating function
	08.02.18	Problems based on Legendre's Poly.
	09.02.18	Discussion over assignment
	10.02.18	Maharshi Dayanand Saraswati Jayanti
	11.02.18*	Sunday
	12.02.18	Written test on Legendre's Polynomial
3	13.02.18	Maha Shivratri
	14.02.18	Recurrence Relations
	15.02.18	Orthogonality of Legendre Polynomial
	16.02.18	Laplace Integral Representation
	17.02.18	Discussion over Problems
	18.02.18	Sunday
	19.02.18	Written test on Legendre's Equation
	20.02.18	Solution of Hermite Equation
4	21.02.18	Hermite's Polynomial
	22.02.18	Generating function for Hermite's Poly.
	23.02.18	Rodrigue's Formula
	24.02.18	Discussion over Assignment
	25.02.18	Sunday
	26.02.18	Recurrence Relations & Questions
	27.02.18	Orthogonal Property
28.02.18	MDU Holidays	

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Maharani Kishori Jat Kanya Mahavidyalaya, Rohtak

Day Wise Lesson Plan for the session January 2018 to April 2018

Name of ^{Assistant} Associate Professor SALAJ

Class BA. II Subject Special Functions & Integral Transforms

Week	Date	Topic
1	01.03.18	MDU Holidays
	02.03.18	MDU Holidays
	03.03.18	MDU Holidays
	04.03.18	Sunday
2	05.03.18	Written test over Hermite's Equation
	06.03.18	Introduction to Laplace transform
	07.03.18	Problems on Laplace Transform
	08.03.18	Shifting Property (First)
	09.03.18	Sufficient cond ⁿ , function of Exponential Order
	10.03.18	Second Shifting Theorem
	11.03.18	Sunday
	12.03.18	Laplace transforms of Derivatives
3	13.03.18	Effect of multiplication & Division
	14.03.18	Laplace transform of Integrals
	15.03.18	Inverse Laplace transform
	16.03.18	Methods for finding inverse Laplace transform
	17.03.18	Convolution theorem
	18.03.18	Sunday
	19.03.18	Test on Laplace & inverse Laplace Transforms
4	20.03.18	Sol ⁿ of Linear D.E. with constant coefficients
	21.03.18	Sol ⁿ of L.D.E. with variable coefficients
	22.03.18	Sol ⁿ of Simultaneous L.D.E. with constant Coeff.
	23.03.18	Shaheedi Diwas
	24.03.18	Discussion over Sol ⁿ of O.D.E.
	25.03.18	Sunday
	26.03.18	Written test on O.D.E. using Laplace Transform
5	27.03.18	Fourier transform
	28.03.18	Sine & Cosine transform
	29.03.18	Mahavir Jayanti
	30.03.18	Properties of Fourier transform
	31.03.18	Examples Based on Fourier Transform

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Day Wise Lesson Plan for the session January 2018 to April 2018

Name of Associate Professor ^{Assistant} S.A.L.A.J.

Class B.A. II Subject. Special Functions & Integral Transforms

Week	Date	Topic
	01.04.18	Sunday
1	02.04.18	Examples based on Fourier Sine & Cosine Transforms
	03.04.18	Solved Examples based on Use of Inverse Transforms
	04.04.18	Convolution thm. for Fourier Transform
	05.04.18	Theorems based on Fourier Transform
	06.04.18	Relation b/w Fourier & Laplace transform
	07.04.18	Finite Sine & Cosine Transform of $f(x)$
	08.04.18	Sunday
2	09.04.18	Written Test on Fourier Series
	10.04.18	Method to Solve Equations to
	11.04.18	Questions based on sol ⁿ of D.E.
	12.04.18	Written test on D.E.
	13.04.18	Assignment on Fourier series
	14.04.18	Baisakhi / Ambedkar Jayanti
	15.04.18	Sunday
3	16.04.18	Rev Presentation on Power Series
	17.04.18	— do —
	18.04.18	Parshuram Jayanti
	19.04.18	Presentation on Legendre Diff. Eq ⁿ .
	20.04.18	— do —
	21.04.18	Discussion over Hermite Diff. Eq.
	22.04.18	Sunday
4	23.04.18	Written test on Fourier Transform
	24.04.18	Written test on Laplace Transform
	25.04.18	Revision
	26.04.18	Revision
	27.04.18	Revision
	28.04.18	Revision
	29.04.18	Sunday
	30.04.18	Doubts & Revision

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