

Lesson Plan

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

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

Subject:..... Mathematics Real and complex analysis.....

Week	Date	Topics
1	1-Jan-18	Γ
	2-Jan-18	Window vacation.
	3-Jan-18	
	4-Jan-18	
	5-Jan-18	
	6-Jan-18	
	7-Jan-18	
2	8-Jan-18	Jacobians (Introduction)
	9-Jan-18	Chain rule for Jacobian
	10-Jan-18	Functional dependence (non-independence)
	11-Jan-18	Beta \int Continued...
	12-Jan-18	Beta function.
	13-Jan-18	Properties of Beta function.
	14-Jan-18	Sunday
3	15-Jan-18	Theorems on Beta functions
	16-Jan-18	Continued...
	17-Jan-18	Gamma function, Properties of Gamma function
	18-Jan-18	Recurrence formula for Gamma function
	19-Jan-18	Relation b/w Beta and Gamma function
	20-Jan-18	Continue -
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Duplication Formula.
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Some important result.
	26-Jan-18	Republic Day
	27-Jan-18	Continue - -
	28-Jan-18	Sunday
5	29-Jan-18	Double integral, Evaluation of Double integral
	30-Jan-18	Continue - -
	31-Jan-18	Substitution method for double integrals

Lesson Plan

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

Class and Section:..... B.A. 6th Sem.....

Subject:..... Real and complex analysis.....

Week	Date	Topics
	1-Feb-18	Continue -
	2-Feb-18	Triple integral
	3-Feb-18	Continue -
	4-Feb-18	Sunday
6	5-Feb-18	Application of Double and Triple integrals
	6-Feb-18	Continue -
	7-Feb-18	Dirichlet's integrals
	8-Feb-18	Some important results
	9-Feb-18	Liouville's Extension of Dirichlet's integral
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
7	12-Feb-18	Continue -
	13-Feb-18	Maha Shivratri
	14-Feb-18	change of order of integration
	15-Feb-18	Fourier Series
	16-Feb-18	Piecewise monotonic function.
	17-Feb-18	Fourier Series for even and odd functions
	18-Feb-18	Sunday
8	19-Feb-18	Continue -
	20-Feb-18	Dirichlet's conditions and theorems
	21-Feb-18	Properties of Fourier coefficients
	22-Feb-18	Continue -
	23-Feb-18	Fourier Expansion of functions having points of discontinuity
	24-Feb-18	Continue -
	25-Feb-18	Sunday
9	26-Feb-18	Change of interval
	27-Feb-18	Half range series.
	28-Feb-18	Continue -

Lesson Plan

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

Class and Section:..... B.A 6th sem.....

Subject:..... Real and complex analysis.....

Week	Date	Topics
	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Parseval's identity series.
	4-Mar-18	Sunday
10	5-Mar-18	Continue---
	6-Mar-18	Calculus of Complex Functions
	7-Mar-18	Stereographic Projection.
	8-Mar-18	Continue---
	9-Mar-18	Complex function or functions of a complex variable
	10-Mar-18	Uniform Continuity
	11-Mar-18	Sunday
11	12-Mar-18	Continue---
	13-Mar-18	Some important results
	14-Mar-18	Rule of Differentiation.
	15-Mar-18	Analytic function C ₀ -R equations
	16-Mar-18	Continue---
	17-Mar-18	Result on analytic function.
	18-Mar-18	Sunday
12	19-Mar-18	C-R equations in Polar form
	20-Mar-18	Continue---
	21-Mar-18	Harmonic functions
	22-Mar-18	Construction of an analytic function
	23-Mar-18	Exact Differential Method
	24-Mar-18	Continue---
	25-Mar-18	Sunday/ Ram Navami
13	26-Mar-18	Some definitions (Elementary functions
	27-Mar-18	Exponential function, Properties of exponential function
	28-Mar-18	Trigonometric function, Properties of Trigonometric function
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Some Inverse Trigonometric functions
	31-Mar-18	Continue---

Lesson Plan

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

Class and Section:.....B.A 6th sem.....

Subject:.....Real and complex analysis......

Week	Date	Topics
14		Sunday
	1-Apr-18	
	2-Apr-18	Mapping by elementary functions
	3-Apr-18	Translation, Rotation
	4-Apr-18	Magnification, Inversion
	5-Apr-18	Continue.
	6-Apr-18	Conformal mapping
	7-Apr-18	Continue.
15	8-Apr-18	Sunday
	9-Apr-18	Linear Transformation
	10-Apr-18	Critical Points, fixed points or invariant points
	11-Apr-18	Continue.
	12-Apr-18	Nature of mobius Transformation
	13-Apr-18	Some Theorems.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
16	16-Apr-18	Inverse points
	17-Apr-18	Continue.
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Critical mappings
	20-Apr-18	Logarithmic Transformation = by z
	21-Apr-18	Trigonometric Transformation.
	22-Apr-18	Sunday
	17	23-Apr-18
24-Apr-18		Continue.
25-Apr-18		Continue
26-Apr-18		Some more mappings
27-Apr-18		Continue.
		Continue.