

Name of Assistant Professor: Ms. Vinita Raj
Class: BA/B. Sc. III (Semester 6th)
Subject: Mathematics Paper: Real and Complex Analysis
Lesson Plan: From (January 2018- April 2018)

Subject lesson Plan

Month	Date	Day		Topic
January	1.	Monday		Preliminaries
January	2.	Tuesday		Preliminaries
January	3.	Wednesday		Jacobians,
January	4.	Thursday		Jacobians
January	5.	Friday		Jacobians
January	6.	Saturday		Beta Functions
January	7.	Sunday	Sunday	
January	8.	Monday		Beta functions
January	9.	Tuesday		Beta functions
January	10.	Wednesday		Beta functions
January	11.	Thursday		Gama functions
January	12.	Friday		Gama functions
January	13.	Saturday		Gama functions
January	14.	Sunday	Sunday	
January	15.	Monday		Beta and Gama functions
January	16.	Tuesday		Beta and Gama functions
January	17.	Wednesday		Revision and problems
January	18.	Thursday		Seminar
January	19.	Friday		Double and Triple integrals
January	20.	Saturday		Double and Triple integrals
January	21.	Sunday	Sunday	
January	22.	Monday	Basant Panchami	
January	23.	Tuesday		Double and Triple integrals
January	24.	Wednesday		Double and Triple integrals
January	25.	Thursday		Dirichlets integrals
January	26.	Friday	Holiday	
January	27.	Saturday		change of order of integration in double integrals.
January	28.	Sunday	Sunday	
January	29.	Monday		change of order of integration in double integrals.
January	30.	Tuesday		change of order of integration in double integrals.
January	31.	Wednesday	Holiday	
Month	Date	Day		Topic
Feb	1.	Thursday		Revision and problems
Feb	2.	Friday		Seminar
Feb	3.	Saturday		Test
Feb	4.	Sunday	Sunday	
Feb	5.	Monday		Fourier expansion of piecewise monotonic functions
Feb	6.	Tuesday		Fourier expansion of piecewise monotonic functions
Feb	7.	Wednesday		Properties of Fourier Co-efficients, Dirichlet's conditions

Feb	8.	Thursday		Properties of Fourier Co-efficients, Dirichlet's conditions
Feb	9.	Friday		Parseval's identity for Fourier series,
Feb	10.	Saturday	Holiday	
Feb	11.	Sunday	Sunday	
Feb	12.	Monday		Fourier series for even and odd functions,
Feb	13.	Tuesday		Fourier series for even and odd functions,
Feb	14.	Wednesday		Fourier series for even and odd functions,
Feb	15.	Thursday		Half range series
Feb	16.	Friday		Half range series
Feb	17.	Saturday		Change of Intervals
Feb	18.	Sunday	Sunday	
Feb	19.	Monday		Change of Intervals
Feb	20.	Tuesday		Revision and problems
Feb	21.	Wednesday		Seminar
Feb	22.	Thursday		Test
Feb	23.	Friday		Extended Complex Plane
Feb	24.	Saturday		Stereographic projection of complex numbers
Feb	25.	Sunday	Sunday	
Feb	26.	Monday		Stereographic projection of complex numbers
Feb	27.	Tuesday		continuity and differentiability of complex functions
Feb	28.	Wednesday	Break	
Month	Date	Day		
March	1.	Thursday	Break	
March	2.	Friday	Break	
March	3.	Saturday	Break	
March	4.	Sunday	Break	
March	5.	Monday		continuity and differentiability of complex functions
March	6.	Tuesday		Analytic functions
March	7.	Wednesday		Analytic functions
March	8.	Thursday		Cauchy-Riemann equations.
March	9.	Friday		Cauchy-Riemann equations.
March	10.	Saturday		Cauchy-Riemann equations.
March	11.	Sunday	Sunday	
March	12.	Monday		Cauchy-Riemann equations.
March	13.	Tuesday		Harmonic functions
March	14.	Wednesday		Harmonic functions
March	15.	Thursday		Harmonic functions
March	16.	Friday		Revision and problems
March	17.	Saturday		Seminar
March	18.	Sunday	Sunday	
March	19.	Monday		Test
March	20.	Tuesday		Mappings by elementary functions
March	21.	Wednesday		Translation,

March	22.	Thursday		Rotation
March	23.	Friday		Magnification and Inversion
March	24.	Saturday		Conformal Mappings,
March	25.	Sunday	Sunday	
March	26.	Monday		Conformal Mappings
March	27.	Tuesday		Mobius transformations
March	28.	Wednesday		Mobius transformations
March	29.	Thursday	Holiday	
March	30.	Friday		Fixed points, Cross ratio
March	31.	Saturday		Cross ratio
Month	Date	Day		
April	1.	Sunday		
April	2.	Monday		Cross ratio
April	3.	Tuesday		Cross ratio
April	4.	Wednesday		Inverse Points
April	5.	Thursday		Inverse Points
April	6.	Friday		critical mappings
April	7.	Saturday		critical mappings
April	8.	Sunday	Sunday	
April	9.	Monday		Revision
April	10.	Tuesday		Seminar
April	11.	Wednesday		Test
April	12.	Thursday		
April	13.	Friday		Revision Unit I
April	14.	Saturday	Holiday	
April	15.	Sunday	Sunday	
April	16.	Monday		Revision Unit I
April	17.	Tuesday		Revision Unit I
April	18.	Wednesday	Holiday	
April	19.	Thursday		Revision Unit II
April	20.	Friday		Revision Unit II
April	21.	Saturday		Revision Unit II
April	22.	Sunday	Sunday	Revision Unit III
April	23.	Monday		Revision Unit III
April	24.	Tuesday		Revision Unit III
April	25.	Wednesday		Revision Unit IV
April	26.	Thursday		Revision Unit IV
April	27.	Friday		Revision Unit IV