



Aggarwal College Ballabgarh

LESSON PLAN

17 WEEKS (JAN-APRIL)-2025

Name of Faculty: DR. GEETA TRIPATHI
Designation/ Department: ASSISTANT PROFESSOR/MATHEMATICS

CLASS: B.Sc. Maths (Hons.)

SEMESTER: 6th

SECTION:

SUBJECT: Real and Complex Analysis

Week		
1	7-1-2025	Introduction to the Subject
	8-1-2025	About Jacobians function
	9-1-2025	Beta and Gama functions
	10-1-2025	Questions based on Jacobian function
	11-1-2025	Questions based on Beta and Gamma function
	12-1-2025	S. U. N. D. A. Y.
2	13-1-2025	Double and Triple integrals
	14-1-2025	Questions based on to be discussed on Double and Triple integrals
	15-1-2025	Dirichlets integrals
	16-1-2025	Questions based on to be discussed on Dirichlets integrals
	17-1-2025	change of order of integration in double integrals
	18-1-2025	Questions based on Unit-I to be discussed
	19-1-2025	S. U. N. D. A. Y.
3	20-1-2025	Doubt class
	21-1-2025	Test of Unit-I
	22-1-2025	About Fourier's series: Fourier expansion of piecewise monotonic functions

	23-1-2025	Properties of Fourier Co-efficients
	24-1-2025	Examples to be discussed
	25-1-2025	Dirichlet's conditions
	26-1-2025	REPUBLIC DAY /S. U. N. D. A. Y.
4	27-1-2025	Parseval's identity for Fourier series
	28-1-2025	Fourier series for even and odd function
	29-1-2025	Half range series
	30-1-2025	Change of Intervals
	31-1-2025	All examples to be discussed on the topics done till now
	1-2-2025	All examples to be discussed on the topics done till now
	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	Doubt Class
	4-2-2025	Doubt Class
	5-2-2025	Test of Unit-II
	6-2-2025	Assignment based on Unit-I and Unit-II to be given
	7-2-2025	Results of Test to be discussed
	8-2-2025	Results of Test to be discussed
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	About Extended Complex Plane
	11-2-2025	Stereographic projection of complex numbers
	12-2-2025	HOLIDAY: GURU RAVIDAS JAYANTI
	13-2-2025	Continuity and differentiability of complex functions
	14-2-2025	Questions to be discussed on topic -Continuity and differentiability of complex functions

	15-2-2025	More Questions to be discussed on topic -Continuity and differentiability of complex functions
	16-2-2025	S. U. N. D. A. Y.
7	17-2-2025	Analytic functions
	18-2-2025	Examples to be discussed on topic Analytic functions
	19-2-2025	Cauchy-Riemann equations
	20-2-2025	Questions to be discussed on topic - Cauchy-Riemann equations
	21-2-2025	Questions to be discussed on topic - Cauchy-Riemann equations
	22-2-2025	Questions to be discussed on topic - Cauchy-Riemann equations
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	Harmonic functions
	25-2-2025	Questions to be discussed on topic- Harmonic functions
	26-2-2025	HOLIDAY: MAHA SHIVRATRI
	27-2-2025	Assignment to be given based on Unit-III
	28-2-2025	Doubt Class
	1-3-2025	Doubt Class
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	Doubt Class
	4-3-2025	Test of Unit-III
	5-3-2025	Results of test to be discussed
	6-3-2025	Results of test to be discussed
	7-3-2025	Revision of All three units
	8-3-2025	Discussion of topics of important topics done till now
	9-3-2025	S. U. N. D. A. Y.

10	10-3-2025	HOLI BREAK
	11-3-2025	HOLI BREAK
	12-3-2025	HOLI BREAK
	13-3-2025	HOLI BREAK
	14-3-2025	HOLI BREAK
	15-3-2025	HOLI BREAK
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	About Mappings by elementary functions: Translation
	18-3-2025	Questions based on Translation to be discussed
	19-3-2025	Questions based on Translation to be discussed
	20-3-2025	About Mappings by elementary functions: Rotation
	21-3-2025	Questions based on Rotation to be discussed
	22-3-2025	Questions based on Rotation to be discussed
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	About Magnification and Inversion
	25-3-2025	Questions based on Magnification and Inversion to be discussed
	26-3-2025	Questions based on Magnification and Inversion to be discussed
	27-3-2025	Conformal Mappings
	28-3-2025	Questions based on Conformal Mappings to be discussed
	29-3-2025	Questions based on Conformal Mappings to be discussed
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	HOLIDAY: ID-UL-FITR
	1-4-2025	Mobius transformations
	2-4-2025	Questions based on Mobius transformations to be discussed

	3-4-2025	Questions based on Mobius transformations to be discussed
	4-4-2025	Fixed pints
	5-4-2025	Questions based on Fixed points to be discussed
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	Questions based on Fixed pints to be discussed
	8-4-2025	Questions based on Fixed pints to be discussed
	9-4-2025	Cross ratio
	10-4-2025	HOLIDAY: MAHAVIR JAYANTI
	11-4-2025	Questions based on Cross Ratio to be discussed
	12-4-2025	Questions based on Cross Ratio to be discussed
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	About Inverse Points
	16-4-2025	Questions based on Inverse Points to be discussed
	17-4-2025	Questions based on Inverse Points to be discussed
	18-4-2025	About Critical Mappings
	19-4-2025	Questions based on Critical Mappings to be discussed
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	Questions based on Critical Mappings to be discussed
	22-4-2025	Assignment-II to be given based on Units-III and Unit-IV
	23-4-2025	Doubt Class
	24-4-2025	Test of Unit -IV
	25-4-2025	Results of test to be discussed
	26-4-2025	Results of test to be discussed

	27-4-2025	S. U. N. D. A. Y.
17	28-4-2025	Revision of all syllabus
	29-4-2025	Revision of all syllabus
	30-4-2025	HOLIDAY: AKSHAY TRITYA
	01-05-2025	Revision of all syllabus
	02-05-2025	Revision of all syllabus
	03-05-2025	Revision of all syllabus
	04-05-2025	S. U. N. D. A. Y.

Geeta Tripathi

Signature