

# Indraprastha College for women, Univ. of Delhi

## WORK PLAN (January, 2023-May, 2023)

**Course Name: B.Sc.(H) Mathematics**

**Semester: VI**

**Paper Code: 32361601**

**Paper Name: Complex Analysis Lab**

**Faculty: Dr. Chander Shekhar**

Week	Theme/ Curriculum
1	Performing contour integration
2	Performing contour integration
3	Plotting the complex functions and analysing the graph
4	Plotting the complex functions and analysing the graph
5	Taylor series expansion
6	Taylor series expansion
7	Taylor series expansion
8	Laurents series expansion
9	Laurents series expansion
10	Laurents series expansion
11	Computing the poles and corresponding residues of complex Functions
12	Computing the poles and corresponding residues of complex Functions
13	Computing the poles and corresponding residues of complex Functions
14	Conformal Mapping and Bilinear Transformations
15	Conformal Mapping and Bilinear Transformations
16	Revision
...	

**Readings/Reference Texts:**