

Govt. College for Girls, Padha (Karnal)

Lesson Plan for Even Semester

(January - April, 2024)

Name of the teacher-

Class- BA 6th SEM

Subject- maths

Paper- REAL AND COMPLEX ANALYSIS

1 st Week 1-6 January	Jacobians.
7 January	Sunday
2 nd Week 8-13 January	Beta and Gamma functions.
14 January	Sunday
3 rd Week 15-16 January	Double and triple integrals.
17 January	Shri Guru Gobind Singh Jayanti
18-20 January	Dirichlet's integrals.
21 January	Sunday
4 th Week 22-25 January	Change of order of integration in double integrals.
26 January	Republic Day
28 January	Sunday
5 th Week 29 January-3 February	Fourier's series: Fourier expansion of piecewise monotonic functions.
4 February	Sunday
2 nd Week	Properties of Fourier coefficients.

5-10 February	
11 February	Sunday
3 rd Week 12-13 February	Dirichlet's conditions.
14 February	Basant Panchmi/ Sir Chotu Ram Jayanti
15-17 February	Parseval's identity for Fourier series.
18 February	Sunday
4 th Week 19-23 February	Fourier series for even and odd functions.
24 February	Guru Ravidas Jayanti
25 February	Sunday
5 th Week 26 February-2 March	Half range series.
3 March	Sunday
2 nd Week 4-7 March	Change of intervals.
8 March	Mahashivratri
9 March	Extended complex plane.
10 March	Sunday
3 rd Week 11-16 March	Stereographic projection of complex numbers.
17 March	Sunday
4 th Week 18-22 March	Continuity and differentiability of complex functions.
23 March	Vacations (Holi)
24 March	
5 th Week	

25-30 March	
31 March	
1st Week 1-6 April	Analytic functions.
7 April	Sunday
2nd Week 8-10 April	Cauchy-Riemann equations.
11 April	Id-UI-Fitar
12 April	Harmonic functions.
13 April	Baisakhi
14 April	Sunday
3rd Week 15-16 April	Mappings by elementary functions: Translation, Rotation, Magnification and Inversion.
17 April	Ramnavmi
18-20 April	Conformal mappings, Mobius transformations.
21 April	Sunday
4th Week 22-27 April	Fixed points, Cross ratio, Inverse points and Critical mappings.
28 April	Sunday
5th Week 29-30 April	TEST AND REVISION