

Lesson Plan Format
18 weeks (From January 2018 to April 2018)

Name of Assistant /Associate Professor :...Suman Kumari.....
 Class and Section :...B.A/Bsc. II (VIth Sem).....
 Subject :...Mathematics.....
Paper-Real and Complex Analysis

Week 1(January 1-6)	
Chapter 1	
01/01/2018	<u>Introduction To Jacobian and Chain Rule for Jacobian</u>
02/01/2018	<u>Ex-1.1</u>
03/01/2018	<u>do</u>
04/01/2018	<u>functional Dependence</u>
05/01/2018	<u>Ex-1.2</u>
06/01/2017	<u>do</u>
Week 2(January 8-13)	
Chapter	
08/01/2018	<u>Problem Class.</u>
09/01/2018	<u>Introduction to Beta and Gamma function.</u>
10/01/2018	<u>Ex- 2.1</u>
11/01/2018	<u>Ex- 2.1</u>
12/01/2018	<u>Introduction to Gamma function, Recurrence formula</u>
13/01/2018	<u>for Gamma fun. Relation b/w Beta and Gamma fun.</u>
Week 3(January 15-20)	
Chapter	
15/01/2018	<u>Duplication formula.</u>
16/01/2018	<u>Ex- 2.2</u>
17/01/2018	<u>Ex- 2.2</u>
18/01/2018	<u>Problem class.</u>
19/01/2018	<u>Problem class.</u>
19/01/2018	<u>Assignment.</u>
20/01/2018	<u>Revision.</u>
Week 4(January 22-27)	
Chapter	
22/01/2018	<u>Varant Panchami</u>
23/01/2018	<u>class Test.</u>
24/01/2018	<u>Sis Chhotu Ram Jayanti</u>
25/01/2018	<u>class Test.</u>
26/01/2018	<u>Republic Day</u>

27/01/2018	Introduction to Double and Triple Integral.
Week 5 (January 29- Feb 3)	
Chapter	
29/01/2018	Evaluation of Double Integral
30/01/2018	EX- 3.1
31/01/2018	EX- 3.1
01/02/2018	Triple Integral, Evaluation of Triple Integral.
02/02/2018	EX- 3.2
03/02/2018	EX- 3.2
Week 6 (Feb 5-10)	
Chapter	
05/02/2018	Application of Double and Triple Integral for finding Area and Vol of Surfaces.
06/02/2018	EX- 3.3
07/02/2018	Dirichlet's Integral, Liouville's Extension of Dirichlet's Integral
08/02/2018	EX- 3.4
09/02/2018	EX- 3.4
10/02/2018	Maheeshti Dayanant Saralwati Jayanti
Week 7 (Feb 12-17)	
Chapter	
12/02/2017	Change of order of Integration. EX- 3.5
13/02/2017	Maha Shiv Ratri
14/02/2017	EX- 3.5
15/02/2017	Revision
16/02/2017	Problem class
17/02/2017	Class Test -
Week 8 (Feb 19-24)	
Chapter	
19/02/2018	Assignment
20/02/2018	Introduction to Fourier Series, Piecewise Monotonic fun ^s .
21/02/2018	Determination of Fourier coeffs. Euler's formula.
22/02/2018	Dirichlet's cond ⁿ , Fourier expansion of Piecewise Monotonic Cont ⁿ fun
23/02/2018	EX- 4.1
24/02/2018	EX- 4.1
Week 9 (Feb 26-March 03)	
Chapter	
26/02/2018	Fourier Expansion of functions having pts of discont ⁿ .
27/02/2018	EX- 4.2
28/02/2018	Holi
01/03/2018	Holiday

02/03/2018	
03/03/2018	Holiday.
Week 10(March 5-10)	
Chapter	
05/03/2018	Change of intervals
06/03/2018	Half Range Series, Parseval's Identity.
07/03/2018	Ex-4.3
08/03/2018	Ex-4.3
09/03/2018	Revision
10/03/2018	Problem class
	Class Test.
Week 11(March 12-17)	
Chapter	
12/03/2018	Introduction of Complex functions, Stereographic Projection of comp. funs.
13/03/2018	Limit of a Complex function, Uniform Cont'n.
14/03/2018	Diff. of a complex function, Rule of diff
15/03/2018	Ex-5.1
16/03/2018	Ex-5.1
17/03/2018	Analytic function, C-R Equations, Suff cond ⁿ for $f(z)$ to be analyt
Week 12(March 19-24)	
Chapter	
19/03/2018	C-R eqns of Polar functions, Harmonic funs
20/03/2018	Construction of an Analytic fun.
21/03/2018	Ex-5.2
22/03/2018	Ex-5.2
23/03/2018	Shaheedi Divas.
24/03/2018	Problem class.
Week 13(March 26-31)	
Chapter	
26/03/2018	Class Test.
27/03/2018	Introduction to Elementary funs and Mobius Transformation.
28/03/2018	Ex-6.1
29/03/2018	Mahavir Jayanti
30/03/2018	Ex-6.1
31/03/2018	Introduction to Conformal Mapping, Ex-6.2
Week 14(April 02-07)	
Chapter	
02/04/2018	Ex-6.2
03/04/2018	Revision.
04/04/2018	Problem Class

