

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : PREETI PANWAR  
Class and Section : B.COM 2<sup>nd</sup> SEM & B  
Subject Lesson Plan : Business mathematics  
Month : January 2018

Date	Topics
01-01-2018	Factorial Notation & Questions related to factorial
02-01-2018	Permutation & Question related to permutation
03-01-2018	Restricted Permutation & Example
04-01-2018	Group Discussion
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Permutation with Repitition
07-01-2018	SUNDAY
08-01-2018	Class- Test
09-01-2018	Circular Permutation +Examples
10-01-2018	Combination & Question related to Combination
11-01-2018	Division in group + Examples
12-01-2018	Group Discussion
13-01-2018	Class Test
14-01-2018	SUNDAY
15-01-2018	Bionomial Theorem
16-01-2018	Question related to bionomial theorem

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Subject Lesson Plan : Business mathematics  
Month : January 2018

Date	Particulars
17-01-2018	Class –Test
18-01-2018	Linear inequality in two variable +Graph
19-01-2018	Examples of graphical solution of linear equation
20-01-2018	Solution of system of linear constraints
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Exercise Questions
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Group Discussion
26-01-2018	REPUBLIC DAY
27-01-2018	Class –Test
28-01-2018	SUNDAY
29-01-2018	Different types of L.P.P + Mathematics formulation
30-01-2018	Examples
31-01-2018	GURU RAVIDAS BIRTHDAY

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Month : February 2018

Date	Topics
01-02-2018	Examples + Exercise Questions
02-02-2018	Exercise Questions
03-02-2018	Method of solution of L.P.P
04-02-2018	SUNDAY
05-02-2018	Class -Test
06-02-2018	Graphical method of solving L.P.P
07-02-2018	Examples of maximization problem
08-02-2018	Examples of maximization problem
09-02-2018	Examples of minimization problem
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Examples of minimization problem
13-02-2018	MAHA SHIVRATRI
14-02-2018	Question related to Infeasible solution
15-02-2018	Question of L.P.P having Redundant constraints
16-02-2018	Exercise Questions

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Date	Particulars
17-02-2018	Exercise Question
18-02-2018	SUNDAY
19-02-2018	Class -Test
20-02-2018	Examples related to Practical application of L.P.P
21-02-2018	Examples related to practical application of L.P.P
22-02-2018	Example and Exercise Questions
23-02-2018	Exercise Questions
24-02-2018	Group Discussions
25-02-2018	SUNDAY
26-02-2018	Class Test
27-02-2018	Linear Programing(Simplex Method)
28-02-2018	VACATION

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Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class Test
06-03-2018	Examples related to simplex method
07-03-2018	Examples related to simplex method
08-03-2018	Exercise Questions
09-03-2018	Exercise Questions
10-03-2018	Exercise Questions
11-03-2018	SUNDAY
12-03-2018	Class Test
13-03-2018	Examples Related to Dual Problem
14-03-2018	Examples Related to Dual Problem
15-03-2018	Principle of Duality and Problems
16-03-2018	Examples

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Class and Section : B.COM 2<sup>nd</sup> SEM & B  
Subject Lesson Plan : Business mathematics  
Month : March 2018

Date	Particulars
17-03-2018	Examples and Exercise
18-03-2018	SUNDAY
19-03-2018	Exercise Questions
20-03-2018	Exercise Questions
21-03-2018	Group Discussion
22-03-2018	Class Test
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Data Representation
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Classification and Tabulation of data
27-03-2018	Examples related to above
28-03-2018	Diagrametic and Graphs representation
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Class Test
31-03-2018	Blackboard Test

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Name of the Assistant/ Associate Professor : PREETI PANWAR  
Class and Section : B.COM 2<sup>nd</sup> SEM & B  
Subject Lesson Plan : Business mathematics  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Examples of Graphical representation
03-04-2018	Exercise questions
04-04-2018	Exercise questions
05-04-2018	Types of Diagrams
06-04-2018	Examples
07-04-2018	Examples of graph of Time Series
08-04-2018	SUNDAY
09-04-2018	Exercise Questions
10-04-2018	Exercise Questions
11-04-2018	Group Discussion
12-04-2018	Class Test
13-04-2018	Examples of Graph of Frequency Distribution
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Examples of Graph of Frequency Distribution

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Class and Section : B.COM 2<sup>nd</sup> SEM & B  
Subject Lesson Plan : Business mathematics  
Month : April 2018

Date	Particulars
17-04-2018	Limitations of Diagrams and graphs
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Examples
20-04-2018	Exercise
21-04-2018	Exercise
22-04-2018	SUNDAY
23-04-2018	Class Test
24-04-2018	Rivision of Permutation and Combination, Binomial Theorem
25-04-2018	Class Test
26-04-2018	Rivision of Simplex Method
27-04-2018	Class Test
28-04-2018	Rivision of data representation
29-04-2018	Black board Test
30-04-2018	Class Test



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : PREETI PANWAR  
Class and Section : BA/B.Sc. VIth Sem  
Subject Lesson Plan : LINEAR ALGEBRA  
Month : January 2018

Date	Topics
01-01-2018	INTRODUCTION TO VECTOR SPACE
02-01-2018	Examples of Vector Space
03-01-2018	Definition of Subspace & Some theorems on vector subspace
04-01-2018	Examples of Subspace
05-01-2018	GURU GOBIND SINGH BIRTHDAY
06-01-2018	Linear Sum of Subspace
07-01-2018	SUNDAY
08-01-2018	Direct Sum of Subspace & Disjoint Subspace
09-01-2018	Example of Direct Sum of subspace
10-01-2018	Class Test
11-01-2018	Linear Combination of vector ,Linear Dependence & Independence of vectors
12-01-2018	Some Results on Linear Dependence & Independence Set of Vectors
13-01-2018	Some Results on Linear Dependence & Independence Set of Vectors
14-01-2018	SUNDAY
15-01-2018	Examples on L.C. of vectors , Linear independent and dependent vectors
16-01-2018	Exercise questions

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : \_\_\_\_\_  
Class and Section : \_\_\_\_\_  
Subject Lesson Plan : \_\_\_\_\_  
Month : **January 2018**

Date	Particulars
17-01-2018	Definition of Linear Span & Finitely Generated Vector Space
18-01-2018	Theorems related to above
19-01-2018	Examples
20-01-2018	Basis of vector space and ordered basis
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Existence Theorem , Invariance of number of elements of basis
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Maximal Linear Independent Set & Minimal Set
26-01-2018	REPUBLIC DAY
27-01-2018	Dimension of Vector Space, Extension Theorem
28-01-2018	SUNDAY
29-01-2018	Exercise
30-01-2018	Examples RELATED TO BASIS OF Vector Space
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : \_\_\_\_\_

Class and Section : \_\_\_\_\_

Subject Lesson Plan : \_\_\_\_\_

Month : February 2018

Date	Topics
01-02-2018	Basis of subspace if generating set is given
02-02-2018	Identical Space, Dimension of Linear Sum & Direct Sum
03-02-2018	Complementary Subspace, Quotient Space
04-02-2018	SUNDAY
05-02-2018	Examples
06-02-2018	Linear Transformation(L.T.), Properties & Examples
07-02-2018	Vector Space Isomorphism, Equality of Two L.T.s and some theorems
08-02-2018	Examples
09-02-2018	To find the L.T.
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Null Space of L.T and its theorems, Range of L.T.
13-02-2018	MAHA SHIVRATRI
14-02-2018	Some Theorems
15-02-2018	Class Test
16-02-2018	Fundamental Theorem of V.S., Sylvester's Law

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Name of the Assistant/ Associate Professor : \_\_\_\_\_  
Class and Section : \_\_\_\_\_  
Subject Lesson Plan : \_\_\_\_\_  
Month : February 2018

Date	Particulars
17-02-2018	Examples related to $\text{rank}(T) + \text{nullity}(T) = \text{dim}(V)$
18-02-2018	SUNDAY
19-02-2018	Sum , Product of L.T.s & Related Theorems
20-02-2018	Singular and Non Singular Transformation
21-02-2018	Theorems
22-02-2018	Examples
23-02-2018	Invertible Linear Transformation & related theorems
24-02-2018	Examples
25-02-2018	SUNDAY
26-02-2018	Class test
27-02-2018	Matrix of L.T. & related theorems
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : \_\_\_\_\_  
Class and Section : \_\_\_\_\_  
Subject Lesson Plan : \_\_\_\_\_  
Month : **March 2018**

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class Test
06-03-2018	Matrix of L.T w.r.t standard basis
07-03-2018	Matrix of Identity & Zero Transformation ,examples
08-03-2018	Examples related to ordered basis
09-03-2018	Composition of two L.T. & its Associated Matrix
10-03-2018	Transition Matrix & related theorems
11-03-2018	SUNDAY
12-03-2018	Co-ordinate vector & theorems
13-03-2018	Dual Space & Examples
14-03-2018	Theorems
15-03-2018	Bi-Dual & Double Dual of V.S, and its theorems
16-03-2018	Anhiliator & Theorems

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Class and Section : \_\_\_\_\_  
Subject Lesson Plan : \_\_\_\_\_  
Month : **March 2018**

Date	Particulars
17-03-2018	Anhiliator of Anhiliator and theorems
18-03-2018	SUNDAY
19-03-2018	Class Test
20-03-2018	Eigen Value,Eigen Vector,Eigen Space
21-03-2018	Theorems
22-03-2018	Similar Matrices & theorems
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Diagonalization & theorems
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Class Test
27-03-2018	Examples
28-03-2018	Minimal Polynomial, cayley Hamilton theorem
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Examples
31-03-2018	Inner product spacr(I.P.S) & Examples

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Class and Section : \_\_\_\_\_  
Subject Lesson Plan : \_\_\_\_\_  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Norm of a V.S. and Examples
03-04-2018	Cauchy Schwartz inequality & Triangle Inequality
04-04-2018	gm law & theorems
05-04-2018	Normed linear Space & Theorems
06-04-2018	Orthognol vector & its compliment
07-04-2018	Theorems
08-04-2018	SUNDAY
09-04-2018	Class Test
10-04-2018	Orthonormal Set & Theorems
11-04-2018	Theorems
12-04-2018	Theorems
13-04-2018	Gram Schmidt Orthoganalization
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Class Test

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Class and Section : \_\_\_\_\_  
Subject Lesson Plan : \_\_\_\_\_  
Month : **April 2018**

Date	Particulars
17-04-2018	Orthogaonal Projection
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Adjoint and Self Adjoint operator,Linear operator
20-04-2018	Theorems
21-04-2018	Theorems
22-04-2018	SUNDAY
23-04-2018	theorems
24-04-2018	Rivision of Unit I
25-04-2018	Class Test
26-04-2018	Rivision of unit II
27-04-2018	Class Test
28-04-2018	Rivision of Unit III
29-04-2018	Group Discussion
30-04-2018	Group Discussion



**Name of the Assistant/ Associate Professor** : **PREETI PANWAR**  
**Class and Section** : **B.A/B.sc 2<sup>nd</sup> sem**  
**Subject Lesson Plan** : **Nunber Theory & Trig.**  
**Month** : **January 2018**

<b>Date</b>	<b>Topics</b>
<b>01-01-2018</b>	<b>Principle of Mathematical Induction, Divisibility</b>
<b>02-01-2018</b>	<b>Theorems</b>
<b>03-01-2018</b>	<b>Theorems</b>
<b>04-01-2018</b>	<b>Examples</b>
<b>05-01-2018</b>	<b>Examples</b>
<b>06-01-2018</b>	<b>Division Algorithm, GCD, LCM</b>
<b>07-01-2018</b>	<b>SUNDAY</b>
<b>08-01-2018</b>	<b>Some theorems on GCD, LCM</b>
<b>09-01-2018</b>	<b>Theorems</b>
<b>10-01-2018</b>	<b>Gauss Theorems</b>
<b>11-01-2018</b>	<b>Examples</b>
<b>12-01-2018</b>	<b>Examples</b>
<b>13-01-2018</b>	<b>Unit, Prime Number, Twin Primes, Perfect Number</b>
<b>14-01-2018</b>	<b>SUNDAY</b>
<b>15-01-2018</b>	<b>Theorems</b>

16-01-2018	Theorems
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### SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : PREETI PANWAR  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Number Theory & Trig.  
Month : January 2018

Date	Particulars
17-01-2018	Theorems
18-01-2018	Theorems
19-01-2018	Canonical Form of GCD ,LCM
20-01-2018	Theorems
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Theorems
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Examples
26-01-2018	REPUBLIC DAY
27-01-2018	Linear Congruences
28-01-2018	SUNDAY
29-01-2018	Theorems

<b>30-01-2018</b>	<b>Examples</b>
<b>31-01-2018</b>	<b>GURU RAVIDAS BIRTHDAY</b>

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Name of the Assistant/ Associate Professor : PREETI PANWAR  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Nunber Theory & Trig.  
Month : February 2018

Date	Topics
01-02-2018	Linear Diophantine Equations
02-02-2018	Theorems
03-02-2018	Equations on Linear Diophantine Equation
04-02-2018	SUNDAY
05-02-2018	Fermat's Theorem and examples on theorem
06-02-2018	Wilson's Theorem, Converse of Wilson's Theorem
07-02-2018	Examples
08-02-2018	Chinese Remainder Theorem, Examples
09-02-2018	Examples
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Euler's Function
13-02-2018	MAHA SHIVRATRI
14-02-2018	Theorems

15-02-2018	Theorems
16-02-2018	Class Test

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**Name of the Assistant/ Associate Professor** : **PREETI PANWAR**  
**Class and Section** : **B.A/B.sc 2<sup>nd</sup> sem**  
**Subject Lesson Plan** : **Nunber Theory & Trig.**  
**Month** : **February 2018**

Date	Particulars
17-02-2018	Examples
18-02-2018	SUNDAY
19-02-2018	Residue, Complete Residue System, Reduced System
20-02-2018	Theorems
21-02-2018	Euler Generalization of Fermat's Theorem
22-02-2018	Examples
23-02-2018	Bracket Function and Theorems
24-02-2018	Theorems
25-02-2018	SUNDAY
26-02-2018	de Polegnac's Formula, Equations on de Polegnac's Formula
27-02-2018	Arithmetic Functions, Some Theorems on $d(n), \sigma(n)$

**28-02-2018**

**VACATION**

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : PREETI PANWAR  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Number Theory & Trig.  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Examples
06-03-2018	Mobius Function, Mobius Inversion Formula, Theorems
07-03-2018	Examples
08-03-2018	Quadratic Congruences
09-03-2018	Theorems
10-03-2018	Legendre Symbol and Euler's Criterion using Legendre Symbol
11-03-2018	SUNDAY
12-03-2018	Properties of Legendre Polynomial, Gauss Lemma
13-03-2018	Examples
14-03-2018	Gauss Reciprocity Law



15-03-2018	DeMoivre's Theorem and its examples
16-03-2018	Examples

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**Class and Section** : B.A/B.sc 2<sup>nd</sup> sem  
**Subject Lesson Plan** : Nunber Theory & Trig.  
**Month** : March 2018

Date	Particulars
17-03-2018	Roots of complex number, Examples
18-03-2018	SUNDAY
19-03-2018	Solution of Equations using De Moivre's Theorem
20-03-2018	Expansion of $\tan n\theta$
21-03-2018	Examples
22-03-2018	Expansion of $\sin^n\theta$ in cosine and sine
23-03-2018	<u>SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU &amp; SUKHDEV</u>
24-03-2018	Expansion of $\sin^n\theta\cos^m\theta$
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Exponential function of complex variable and its properties
27-03-2018	Circular function of complex variable, Euler's Theorem, Periodicity of circular function

<b>28-03-2018</b>	<b>Expansion of <math>\sinh\theta</math> &amp; <math>\cosh\theta</math> in powers of <math>\theta</math> , Periodicity of hyperbolic functions</b>
<b>29-03-2018</b>	<b>MAHAVIR JAYANTI</b>
<b>30-03-2018</b>	<b>Relation between hyperbolic &amp; circular functions</b>
<b>31-03-2018</b>	<b>Seperation into real and imaginary parts of circular and hyperbolic functions</b>

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Name of the Assistant/ Associate Professor : PREETI PANWAR  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Number Theory & Trig.  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Logarithm of complex numbers and its laws
03-04-2018	To separate $\text{Log}(\alpha + i\beta)$ into real and imaginary parts, General Exponential Function
04-04-2018	General Logarithmic Function and its example
05-04-2018	Inverse Circular Function of real variable, Relation between inverse function
06-04-2018	Examples on inverse circular function
07-04-2018	Principal value & General Value of inverse circular function
08-04-2018	SUNDAY
09-04-2018	Inverse hyperbolic function in terms of Logarithms
10-04-2018	Class Test
11-04-2018	Relation between inverse circular and inverse hyperbolic function
12-04-2018	Gregory's Series, Another form of Gregory's Series
13-04-2018	Equation of $\pi$ , Summation of series
14-04-2018	<a href="#">DR AMBEDKAR JAYANTI / VAISAKHI</a>

15-04-2018	SUNDAY
16-04-2018	Series of sines and cosines of angles which are in A.P.

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 Subject Lesson Plan : Nunber Theory & Trig.  
 Month : April 2018

Date	Particulars
17-04-2018	Examples
18-04-2018	<a href="#"><u>PARASHURAMA JAYANTI</u></a>
19-04-2018	Method of Differences
20-04-2018	Examples
21-04-2018	Examples
22-04-2018	SUNDAY
23-04-2018	Sum of series, C+iS Method of summation
24-04-2018	Series depending upon the G.P. or The Binomial Series
25-04-2018	Series depending upon Exponential, Sine & Cosine Series
26-04-2018	Series depending upon Logarithmic Series
27-04-2018	Summation of Series depending upon $\tan^{-1}x$

<b>28-04-2018</b>	<b>Series depending on Hyperbolic Series</b>
<b>29-04-2018</b>	<b>Class Test</b>
<b>30-04-2018</b>	<b>Class Test</b>

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup>Sem.  
Subject Lesson Plan : Ordinary Diff. Eq.  
Month : January 2018

Date	Topics
01-01-2018	Exact Differential Equation Theorem, Examples
02-01-2018	Examples, exercise 1.1
03-01-2018	exercise 1.1, examples
04-01-2018	Examples of exercise 1.2
05-01-2018	<b>Guru Govind Singh Birthday</b>
06-01-2018	exercise 1.2, examples
07-01-2018	SUNDAY
08-01-2018	Examples, exercise 1.3
09-01-2018	class test of exercise 1.1, 1.2, 1.3
10-01-2018	Examples, exercise 1.4
11-01-2018	Examples, exercise 1.5
12-01-2018	class test of exercise 1.4, 1.5
13-01-2018	Examples, exercise 1.6
14-01-2018	SUNDAY
15-01-2018	Examples, exercise 1.7
16-01-2018	class test of exercise 1.6, 1.7

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup>Sem.  
Subject Lesson Plan : Ordinary differential Eq  
Month : January 2018

Date	Particulars
17-01-2018	Examples, exercise 2.1
18-01-2018	Examples, exercise 2.2
19-01-2018	exercise 2.2, Examples of ex. 2.3
20-01-2018	exercise 2.3, Lagrange's Equation
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Clairaut's Equation, exercise 2.4
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Examples, exercise 2.5
26-01-2018	REPUBLIC DAY
27-01-2018	class test of exercise 2.1 to exercise 2.5
28-01-2018	SUNDAY
29-01-2018	Singular solution, Examples of exercise 2.6
30-01-2018	Examples, exercise 2.6
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : February 2018

Date	Topics
01-02-2018	class test of chapter-2
02-02-2018	Orthogonal Trajectories, examples
03-02-2018	Examples,exercise3.1
04-02-2018	SUNDAY
05-02-2018	Problems,Revision
06-02-2018	class test of exercise3.1
07-02-2018	Linear differential equations, rules ,examples
08-02-2018	Examples,exercise4.1
09-02-2018	exercise4.1,problems
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Examples,exercise4.2
13-02-2018	MAHA SHIVRATRI
14-02-2018	Examples of exercise4.3
15-02-2018	exercise4.3
16-02-2018	class test of exercise4.1,4.2,4.3



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup> Sem.  
Subject Lesson Plan : Ordinary diff. Eq.  
Month : February 2018

Date	Particulars
17-02-2018	Examples of exercise4.4
18-02-2018	SUNDAY
19-02-2018	exercise4.4
20-02-2018	Examples,exercise4.5
21-02-2018	exercise4.5
22-02-2018	Examples,exercise4.6
23-02-2018	exercise4.6
24-02-2018	Problems, Group discussion
25-02-2018	SUNDAY
26-02-2018	class test of exercise4.4,4.5
27-02-2018	class test of exercise4.6
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Homogenous Linear differential equations,examples
06-03-2018	Examples of exercise5.1
07-03-2018	exercise5.1
08-03-2018	Examples of exercise5.2
09-03-2018	exercise5.2
10-03-2018	Group discussion of exercise5.1,5.2
11-03-2018	SUNDAY
12-03-2018	class test of exercise5.1,5.2
13-03-2018	Linear differential equations, methods ,half examples
14-03-2018	Examples,exercise6.1
15-03-2018	Examples of exercise6.2
16-03-2018	exercise6.2,problems

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : March 2018

Date	Particulars
17-03-2018	class test of exercise6.1,6.2
18-03-2018	SUNDAY
19-03-2018	Examples of exercise6.3
20-03-2018	exercise6.3
21-03-2018	Examples, exercise6.4
22-03-2018	class test of exercise6.3,6.4
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Examples of exercise6.5
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	exercise6.5,problems
27-03-2018	class test of exercise6.5
28-03-2018	chapter-7,examples
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Examples, exercise7.1
31-03-2018	Examples of exercise7.2

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	exercise7.2
03-04-2018	class test of exercise7.1,7.2
04-04-2018	Examples of exercise7.3
05-04-2018	exercise7.3,problems
06-04-2018	Revision of exercise7.1,7.2,7.3
07-04-2018	Class test of exercise7.1,7.2,7.3
08-04-2018	SUNDAY
09-04-2018	Total differential equations, half examples
10-04-2018	half examples of exercise8.1
11-04-2018	exercise8.1
12-04-2018	examples of exercise8.2
13-04-2018	exercise8.2,problems
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Class test of exercise 8.1,8.2

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Preeti Panwar  
Class and Section : B.A.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : April 2018

Date	Particulars
17-04-2018	examples of exercise8.3
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	exercise8.3
20-04-2018	examples of exercise8.4
21-04-2018	exercise8.4,problems
22-04-2018	SUNDAY
23-04-2018	Revision of exercise8.4
24-04-2018	class test of exercise8.3,8.4
25-04-2018	Revision of chapter-1
26-04-2018	Revision of chapter-2
27-04-2018	Revision of chapter-3
28-04-2018	Revision of chapter-4
29-04-2018	SUNDAY
30-04-2018	Revision

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : January 2018

Date	Topics
01-01-2018	Factorial Notation & Questions related to factorial
02-01-2018	Permutation & Question related to permutation
03-01-2018	Restricted Permutation & Example
04-01-2018	Group Discussion
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Permutation with Repitition
07-01-2018	SUNDAY
08-01-2018	Class- Test
09-01-2018	Circular Permutation +Examples
10-01-2018	Combination & Question related to Combination
11-01-2018	Division in group + Examples
12-01-2018	Group Discussion
13-01-2018	Class Test
14-01-2018	SUNDAY
15-01-2018	Bionomial Theorem
16-01-2018	Question related to bionomial theorem

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : January 2018

Date	Particulars
17-01-2018	Class -Test
18-01-2018	Linear inequality in two variable +Graph
19-01-2018	Examples of graphical solution of linear equation
20-01-2018	Solution of system of linear constraints
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Exercise Questions
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Group Discussion
26-01-2018	REPUBLIC DAY
27-01-2018	Class -Test
28-01-2018	SUNDAY
29-01-2018	Different types of L.P.P + Mathematics formulation
30-01-2018	Examples
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : February 2018

Date	Topics
01-02-2018	Examples + Exercise Questions
02-02-2018	Exercise Questions
03-02-2018	Method of solution of L.P.P
04-02-2018	SUNDAY
05-02-2018	Class -Test
06-02-2018	Graphical method of solving L.P.P
07-02-2018	Examples of maximization problem
08-02-2018	Examples of maximization problem
09-02-2018	Examples of minimization problem
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Examples of minimization problem
13-02-2018	MAHA SHIVRATRI
14-02-2018	Question related to Infeasible solution
15-02-2018	Question of L.P.P having Redundant constraints
16-02-2018	Exercise Questions



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : February 2018

Date	Particulars
17-02-2018	Exercise Question
18-02-2018	SUNDAY
19-02-2018	Class -Test
20-02-2018	Examples related to Practical application of L.P.P
21-02-2018	Examples related to practical application of L.P.P
22-02-2018	Example and Exercise Questions
23-02-2018	Exercise Questions
24-02-2018	Group Discussions
25-02-2018	SUNDAY
26-02-2018	Class Test
27-02-2018	Linear Programing(Simplex Method)
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class Test
06-03-2018	Examples related to simplex method
07-03-2018	Examples related to simplex method
08-03-2018	Exercise Questions
09-03-2018	Exercise Questions
10-03-2018	Exercise Questions
11-03-2018	SUNDAY
12-03-2018	Class Test
13-03-2018	Examples Related to Dual Problem
14-03-2018	Examples Related to Dual Problem
15-03-2018	Principle of Duality and Problems
16-03-2018	Examples

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : March 2018

Date	Particulars
17-03-2018	Examples and Exercise
18-03-2018	SUNDAY
19-03-2018	Exercise Questions
20-03-2018	Exercise Questions
21-03-2018	Group Discussion
22-03-2018	Class Test
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Data Representation
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Classification and Tabulation of data
27-03-2018	Examples related to above
28-03-2018	Diagrametic and Graphs representation
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Class Test
31-03-2018	Blackboard Test

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Examples of Graphical representation
03-04-2018	Exercise questions
04-04-2018	Exercise questions
05-04-2018	Types of Diagrams
06-04-2018	Examples
07-04-2018	Examples of graph of Time Series
08-04-2018	SUNDAY
09-04-2018	Exercise Questions
10-04-2018	Exercise Questions
11-04-2018	Group Discussion
12-04-2018	Class Test
13-04-2018	Examples of Graph of Frequency Distribution
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Examples of Graph of Frequency Distribution

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.COM 2<sup>nd</sup> SEM & A  
Subject Lesson Plan : Business mathematics  
Month : April 2018

Date	Particulars
17-04-2018	Limitations of Diagrams and graphs
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Examples
20-04-2018	Exercise
21-04-2018	Exercise
22-04-2018	SUNDAY
23-04-2018	Class Test
24-04-2018	Revision of Permutation and Combination, Binomial Theorem
25-04-2018	Class Test
26-04-2018	Revision of Simplex Method
27-04-2018	Class Test
28-04-2018	Revision of data representation
29-04-2018	SUNDAY
30-04-2018	Class Test

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB  
Month : January 2018

Date	Topics
01-01-2018	Introduction of MATLAB
02-01-2018	Some basis of MATLAB like working with array no. ,saving, executing etc.
03-01-2018	Directional Exploration
04-01-2018	Directional Exploration
05-01-2018	GURU GOVIND SINGH JAYANTI
06-01-2018	Group Discussion
07-01-2018	SUNDAY
08-01-2018	Class -Test
09-01-2018	Matrix & Vector ,Matrix & array Operation
10-01-2018	Character string ,Command line functions
11-01-2018	Saving and Loading data
12-01-2018	Group Discussion
13-01-2018	Programming in MATLAB : Scripts & Function
14-01-2018	SUNDAY
15-01-2018	Class-Test
16-01-2018	Programming in MATLAB : Scripts & Function

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB  
Month : January 2018

Date	Particulars
17-01-2018	Group Discussion
18-01-2018	How to find roots of equation by bisection method
19-01-2018	Program of bisection method
20-01-2018	Execution of program
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Execution of program
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	How to find roots of equation by regula falsi method
26-01-2018	REPUBLIC DAY
27-01-2018	Program of regula falsi method
28-01-2018	SUNDAY
29-01-2018	Execution of program
30-01-2018	Execution of program
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB  
Month : February 2018

Date	Topics
01-02-2018	Class -Test
02-02-2018	How to find roots of equation by Newton Raphson method
03-02-2018	Program of Newton Raphson method
04-02-2018	SUNDAY
05-02-2018	Execution of program
06-02-2018	Execution of program
07-02-2018	Group Discussion
08-02-2018	How to solve integral equation by Trapezoidal method
09-02-2018	Program of Trapezoidal method
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Class -Test
13-02-2018	MAHA SHIVRATRI
14-02-2018	Execution of program
15-02-2018	Execution of program
16-02-2018	Group Discussion



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB  
Month : February 2018

Date	Particulars
17-02-2018	How to solve integral equation by Simpson,s 1/3 & 3/8 rule
18-02-2018	SUNDAY
19-02-2018	Program of Simpson 1/3 & 3/8
20-02-2018	Execution of program
21-02-2018	Execution of program
22-02-2018	Execution of program
23-02-2018	How to solve differential equation by Euler method
24-02-2018	Program of Euler method
25-02-2018	SUNDAY
26-02-2018	Execution of program
27-02-2018	Execution of program
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class- Test
06-03-2018	How to solve differential equation by Euler Modified method
07-03-2018	Program of Euler Modified method
08-03-2018	Execution of program
09-03-2018	Execution of program
10-03-2018	How to solve differential equation by R-K Method
11-03-2018	SUNDAY
12-03-2018	Program of R-K Method
13-03-2018	Execution of program
14-03-2018	Execution of program
15-03-2018	Class - Test
16-03-2018	Program to find mean of Simple ,Discrete & continuous data

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB  
Month : March 2018

Date	Particulars
17-03-2018	Execution of program
18-03-2018	SUNDAY
19-03-2018	Execution of program
20-03-2018	Execution of program
21-03-2018	Program to find median of Simple ,Discrete & continuous data
22-03-2018	Execution of program
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Execution of program
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Execution of program
27-03-2018	Program to find the mode of individual series
28-03-2018	Execution of program
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Execution of program
31-03-2018	Group Discussion

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	How to find $f(p)$ by Newton forward interpolation formula
03-04-2018	Program of Newton forward interpolation formula
04-04-2018	Execution of program
05-04-2018	Execution of program
06-04-2018	How to find $f(p)$ by Newton Backward interpolation formula
07-04-2018	Program of Newton Backward interpolation formula
08-04-2018	SUNDAY
09-04-2018	Execution of program
10-04-2018	Execution of program
11-04-2018	Class –Test
12-04-2018	Program to find Equation of Straight line
13-04-2018	Execution of program
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Execution of program

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : M.sc Mathematics 4<sup>th</sup> sem  
Subject Lesson Plan : MATLAB\_  
Month : April 2018

Date	Particulars
17-04-2018	Group Discussion
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Class Test
20-04-2018	Assignment related to part -A
21-04-2018	Assignment related to part -A
22-04-2018	SUNDAY
23-04-2018	Assignment related to part -A
24-04-2018	Assignment related to part -A
25-04-2018	Class -Test
26-04-2018	Revision
27-04-2018	Revision
28-04-2018	Revision
29-04-2018	SUNDAY
30-04-2018	Class Test

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> Sem  
Subject Lesson Plan : Real & Complex Analysis  
Month : January 2018

Date	Topics
01-01-2018	Jacobian & Chain rule for Jacobian
02-01-2018	Examples of 1.1
03-01-2018	Exercise 1.1
04-01-2018	Examples 1.2
05-01-2018	Guru Govind Singh Birthday
06-01-2018	Exercise 1.2
07-01-2018	SUNDAY
08-01-2018	Group Discussion
09-01-2018	Class-Test of 1.1
10-01-2018	Class-Test of 1.2
11-01-2018	Beta Function
12-01-2018	Examples 2.1
13-01-2018	Exercise 2.1
14-01-2018	SUNDAY
15-01-2018	Exercise 2.1
16-01-2018	Gamma Function & Recurrence Formula

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> SEM  
Subject Lesson Plan : Real & Complex Analysis  
Month : January 2018

Date	Particulars
17-01-2018	Relation between beta & gamma function
18-01-2018	Examples 2.2
19-01-2018	Duplication formula +Examples
20-01-2018	Class-Test
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Exercise 2.2
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Exercise 2.2
26-01-2018	REPUBLIC DAY
27-01-2018	Revision of chapter 2nd
28-01-2018	SUNDAY
29-01-2018	Class-Test
30-01-2018	Double Integral
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> SEM  
Subject Lesson Plan : Real & Complex Analysis  
Month : February 2018

Date	Topics
01-02-2018	Example 3.1
02-02-2018	Example 3.1
03-02-2018	Exercise 3.1
04-02-2018	SUNDAY
05-02-2018	Exercise 3.1
06-02-2018	Triple Integral +Examples 3.2
07-02-2018	Substitution method for triple integral
08-02-2018	Class-Test
09-02-2018	Exercise 3.2
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Exercise 3.2
13-02-2018	MAHA SHIVRATRI
14-02-2018	Class-Test
15-02-2018	Examples 3.3
16-02-2018	Exercise 3.3



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> SEM  
Subject Lesson Plan : Real & Complex Analysis  
Month : February 2018

Date	Particulars
17-02-2018	Dirichlet's integral +theorems
18-02-2018	SUNDAY
19-02-2018	Class-Test 3.3
20-02-2018	Examples 3.4
21-02-2018	Examples 3.4 + Exercise
22-02-2018	Exercise 3.4
23-02-2018	Question related to changing order of integration
24-02-2018	Exercise 3.5
25-02-2018	SUNDAY
26-02-2018	Class -Test
27-02-2018	Group Discussion
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> SEM  
Subject Lesson Plan : Real & Complex Analysis  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Fourier series for even and odd function
06-03-2018	Dirichlet's condition + theorem
07-03-2018	Examples 4.1
08-03-2018	Example 4.1 +Exercise
09-03-2018	Exercise 4.1
10-03-2018	Example 4.2
11-03-2018	SUNDAY
12-03-2018	Example 4.2 + Exercise
13-03-2018	Exercise 4.2
14-03-2018	Example 4.3
15-03-2018	Parseval's identity for Fourier Series +Examples
16-03-2018	Exercise 4.3

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> SEM  
Subject Lesson Plan : Real & Complex Analysis  
Month : March 2018

Date	Particulars
17-03-2018	Exercise 4.3
18-03-2018	SUNDAY
19-03-2018	Class -test
20-03-2018	Continuity,Uniform continuity +Examples
21-03-2018	Examples +Exercise 5.1
22-03-2018	Exercise 5.1
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Analytic function +Examples
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	C-R equation in Polar form +Theorem
27-03-2018	Orthogonal System +Harmonic function +Theorem
28-03-2018	Examples 5.2
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Exercise 5.2
31-03-2018	Class -Test

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> SEM  
Subject Lesson Plan : Real & Complex Analysis  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Exercise 5.2
03-04-2018	Properties of Exponential function
04-04-2018	Properties of trigonometric +hyperbolic function
05-04-2018	Class-test
06-04-2018	Examples 6.1
07-04-2018	Examples 6.1 +Exercise
08-04-2018	SUNDAY
09-04-2018	Exercise 6.1
10-04-2018	Class-Test
11-04-2018	Conformal mapping +Examples
12-04-2018	Linear transformation +Nature of mobius transformation
13-04-2018	Examples 6.2
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Exercise 6.2

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.SC 6<sup>th</sup> Sem  
Subject Lesson Plan : Real & Complex Analysis  
Month : April 2018

Date	Particulars
17-04-2018	Exercise 6.2
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Class –Test
20-04-2018	Examples 7.1
21-04-2018	Examples +Theorem
22-04-2018	SUNDAY
23-04-2018	Exercise 7.1
24-04-2018	Exercise 7.1
25-04-2018	Group Discussion
26-04-2018	Class –Test
27-04-2018	Revision
28-04-2018	Revision
29-04-2018	SUNDAY
30-04-2018	Group Discussion

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Vector Calculus  
Month : January 2018

Date	Topics
01-01-2018	Review Chapter
02-01-2018	Review Chapter (Types of Vector & Properties)
03-01-2018	Properties of scalar and vector product
04-01-2018	Group Discussion
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Triple product & determinant form of it
07-01-2018	SUNDAY
08-01-2018	Properties of Scalar Triple Product
09-01-2018	Geometrical interpretation of Scalar Triple Product
10-01-2018	Examples
11-01-2018	Exercise Question
12-01-2018	Exercise Question
13-01-2018	Vector Triple Product & Examples
14-01-2018	SUNDAY
15-01-2018	Examples Questions

16-01-2018	Class -Test
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### SPECIMEN OF LESSON PLAN FORMAT

**Name of the Assistant/ Associate Professor** : SNEHA  
**Class and Section** : B.A/B.sc 2<sup>nd</sup> sem  
**Subject Lesson Plan** : Vector Calculus  
**Month** : January 2018

Date	Particulars
17-01-2018	Exercise Question
18-01-2018	Scalar & Vector Product of four Vector
19-01-2018	Examples
20-01-2018	Class -Test
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Exercise Questions
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Properties of Reciprocal system of Vector
26-01-2018	REPUBLIC DAY
27-01-2018	Class -Test
28-01-2018	SUNDAY
29-01-2018	Examples Question
30-01-2018	Class -Test

31-01-2018

GURU RAVIDAS BIRTHDAY



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Vector Calculus  
Month : February 2018

Date	Topics
01-02-2018	Differentiation of Vectors
02-02-2018	Constant Vector + Theorem
03-02-2018	Examples Question
04-02-2018	SUNDAY
05-02-2018	Class Test
06-02-2018	Exercise Question
07-02-2018	Velocity + Acceleration +Examples
08-02-2018	Class Test
09-02-2018	Exercise Question
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Class Test
13-02-2018	MAHA SHIVRATRI
14-02-2018	Rules for finding Partial & Total Derivative
15-02-2018	Example + Exercise

16-02-2018	Gradient of Scalar field & Properties of Gradient
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### SPECIMEN OF LESSON PLAN FORMAT

**Name of the Assistant/ Associate Professor** : **SNEHA**  
**Class and Section** : **B.A/B.sc 2<sup>nd</sup> sem**  
**Subject Lesson Plan** : **Vector Calculus**  
**Month** : **February 2018**

Date	Particulars
17-02-2018	Examples
18-02-2018	SUNDAY
19-02-2018	Class Test
20-02-2018	Exercise Question
21-02-2018	Level Surface + Equation of Tangent Plane & Normal Plane
22-02-2018	Examples
23-02-2018	Exercise Question
24-02-2018	Class Test
25-02-2018	SUNDAY
26-02-2018	Divergence of Vector function & Properties
27-02-2018	Examples
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Vector Calculs  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class Test
06-03-2018	Exercise Question
07-03-2018	Curl & Properties of Curl
08-03-2018	Examples
09-03-2018	Class Test
10-03-2018	Exercise Question
11-03-2018	SUNDAY
12-03-2018	Laplacian and Examples
13-03-2018	Exercise Question
14-03-2018	Unit Vector in Orthogonal system
15-03-2018	Grad,Div.,Curl in Curvilinear system

16-03-2018	Two Special Curvilinear system
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**SPECIMEN OF LESSON PLAN FORMAT**

**Name of the Assistant/ Associate Professor** : **SNEHA**  
**Class and Section** : **B.A/B.sc 2<sup>nd</sup> sem**  
**Subject Lesson Plan** : **Vector Calculus**  
**Month** : **March 2018**

Date	Particulars
17-03-2018	Examples
18-03-2018	SUNDAY
19-03-2018	Examples
20-03-2018	Class Test
21-03-2018	Exercise Question
22-03-2018	Exercise Question
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Class Test
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Indefinite & Definite Integral
27-03-2018	Examples
28-03-2018	Exercise Question
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Class Test

31-03-2018

Line Integral & Examples

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : SNEHA  
Class and Section : B.A/B.sc 2<sup>nd</sup> sem  
Subject Lesson Plan : Vector Calculus  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Examples
03-04-2018	Examples + Exercise
04-04-2018	Exercise Question
05-04-2018	Exercise Question
06-04-2018	Surface Integral & Examples
07-04-2018	Exercise Question
08-04-2018	SUNDAY
09-04-2018	Class Test
10-04-2018	Volume Integral + Example + Exercise
11-04-2018	Gauss Divergence Theorem
12-04-2018	Deduction of Gauss Divergence Theorem
13-04-2018	Examples
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY

16-04-2018	Exercise Questions
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### SPECIMEN OF LESSON PLAN FORMAT

**Name of the Assistant/ Associate Professor** : **SNEHA**  
**Class and Section** : **B.A/B.sc 2<sup>nd</sup> sem**  
**Subject Lesson Plan** : **Vector Calculus**  
**Month** : **April 2018**

Date	Particulars
17-04-2018	Exercise Question
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Green & Stoke Theorem
20-04-2018	Class Test
21-04-2018	Examples Question
22-04-2018	SUNDAY
23-04-2018	Class Test
24-04-2018	Examples
25-04-2018	Examples
26-04-2018	Exercise Question
27-04-2018	Exercise Question
28-04-2018	Class Test
29-04-2018	SUNDAY
30-04-2018	Class Test





## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.4<sup>th</sup> Sem.  
Subject Lesson Plan : Special function& L.T.  
Month : January 2018

Date	Topics
01-01-2018	Power series, examples of Ex.1.1 ,Ex.1.2
02-01-2018	Ex.1.1 ,Ex.1.2
03-01-2018	Analytic Function, examples,ex.1.3
04-01-2018	examples, ex.1.4
05-01-2018	GURU GOBIND SINGH BIRTHDAY
06-01-2018	examples, ex.1.5
07-01-2018	SUNDAY
08-01-2018	class test of above topic
09-01-2018	examples, ex.1.5
10-01-2018	examples, ex.1.6
11-01-2018	examples, ex.1.7
12-01-2018	class test of above topic
13-01-2018	Bessel's Function & Deductions, Equations
14-01-2018	SUNDAY
15-01-2018	Recurrence Relations, solved examples
16-01-2018	Ex.2.1,Generating function

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.4<sup>th</sup> Sem.  
Subject Lesson Plan : Special Function& L.T.  
Month : January 2018

Date	Particulars
17-01-2018	Examples,Ex.2.2
18-01-2018	Examples,Ex.2.3
19-01-2018	Orthogonality Relation, problems
20-01-2018	Complete test of chapter-2
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Legender's Equation,Rodrigue's formula
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Derivation,Generating Function,Examples
26-01-2018	REPUBLIC DAY
27-01-2018	Examples,Ex.3.1
28-01-2018	SUNDAY
29-01-2018	Recurrence Relations, solved examples,ex.2.2
30-01-2018	Orthogonality Relation, examples
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.4<sup>th</sup> Sem.  
Subject Lesson Plan : Special Function & L.T.  
Month : February 2018

Date	Topics
01-02-2018	Ex.3.3, problems
02-02-2018	Complete test of chapter-3
03-02-2018	Hermite's Equation, Derivation, Examples
04-02-2018	SUNDAY
05-02-2018	Ex.4.1 half
06-02-2018	complete Ex.4.1
07-02-2018	Complete test of chapter-4
08-02-2018	Laplace Transformation, Examples, Ex.5.1
09-02-2018	Examples, Ex.5.2
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Examples, Ex.5.3
13-02-2018	MAHA SHIVRATRI
14-02-2018	class test
15-02-2018	Examples, Ex.5.4
16-02-2018	Examples, Ex.5.5

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.sc.2<sup>nd</sup> Sem.  
Subject Lesson Plan : Special function & L.T.  
Month : February 2018

Date	Particulars
17-02-2018	Examples,Ex.5.6
18-02-2018	SUNDAY
19-02-2018	Complete test of chapter-5
20-02-2018	Inverse Laplace Transformation, Examples,Ex.6.1
21-02-2018	Examples,Ex.6.2
22-02-2018	Ex.6.2,Convolution Theorem,examples
23-02-2018	Ex.6.3
24-02-2018	Problems, Group Discussion
25-02-2018	SUNDAY
26-02-2018	class test of ex. 6.1,6.2
27-02-2018	class test of ex. 6.3
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.sc.4<sup>th</sup> Sem.  
Subject Lesson Plan : Special function & L.T.  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Examples of ex.8.1
06-03-2018	ex.8.1
07-03-2018	Examples of ex.8.1
08-03-2018	ex.8.2
09-03-2018	Problems, Group Discussion
10-03-2018	class test of ex. 8.1
11-03-2018	SUNDAY
12-03-2018	class test of ex. 8.2
13-03-2018	examples of ex. 8.3
14-03-2018	ex. 8.3
15-03-2018	class test of ex. 8.3
16-03-2018	Fourier Transformation,Formulae,examples

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.4<sup>th</sup> Sem.  
Subject Lesson Plan : Special function & L.T.  
Month : March 2018

Date	Particulars
17-03-2018	Examples of ex.9.1
18-03-2018	SUNDAY
19-03-2018	ex.9.1 complete
20-03-2018	Examples of ex.9.2
21-03-2018	ex.9.2 complete
22-03-2018	Problems, Group Discussion
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	class test of ex.9.1,9.2
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Inverse Transformation,Examples
27-03-2018	Examples,Ex.9.3
28-03-2018	Ex.9.3 complete
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Problems ,formulae revised
31-03-2018	Examples of Ex.9.4

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.4<sup>th</sup> Sem.  
Subject Lesson Plan : Special function & L.T.  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Ex.9.4 complete
03-04-2018	Convolution Theorem, Derivations
04-04-2018	Examples of ex.9.5
05-04-2018	Ex.9.5 complete
06-04-2018	Problems, Group Discussion
07-04-2018	class test of ex.9.4,9.5
08-04-2018	SUNDAY
09-04-2018	Solution of D.E. by Fourier Transformation,
10-04-2018	Examples of ex.10.1
11-04-2018	Example of ex.10.1
12-04-2018	ex.10.1 half
13-04-2018	complete ex.10.1
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Problems, Group Discussion

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.4<sup>th</sup> Sem.  
Subject Lesson Plan : Special function & L.T.  
Month : April 2018

Date	Particulars
17-04-2018	class test of examples
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	class test of ex.10.1
20-04-2018	Revision of Chapter-1
21-04-2018	Revision of Chapter-2
22-04-2018	SUNDAY
23-04-2018	Revision of Chapter-3
24-04-2018	Revision of Chapter-4
25-04-2018	Revision of Chapter-5
26-04-2018	Revision of Chapter-6
27-04-2018	Revision of Chapter-8
28-04-2018	Revision of Chapter-9
29-04-2018	Revision of Chapter-10
30-04-2018	Revision of Chapters



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.Sc.2<sup>nd</sup>Sem.  
Subject Lesson Plan : Ordinary Diff. Eq.  
Month : January 2018

Date	Topics
01-01-2018	Exact Differential Equation Theorem, Examples
02-01-2018	Examples, exercise 1.1
03-01-2018	exercise 1.1, examples
04-01-2018	Examples of exercise 1.2
05-01-2018	<b>Guru Govind Singh Birthday</b>
06-01-2018	exercise 1.2, examples
07-01-2018	SUNDAY
08-01-2018	Examples, exercise 1.3
09-01-2018	class test of exercise 1.1, 1.2, 1.3
10-01-2018	Examples, exercise 1.4
11-01-2018	Examples, exercise 1.5
12-01-2018	class test of exercise 1.4, 1.5
13-01-2018	Examples, exercise 1.6
14-01-2018	SUNDAY
15-01-2018	Examples, exercise 1.7
16-01-2018	class test of exercise 1.6, 1.7

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.sc.2<sup>nd</sup>Sem.  
Subject Lesson Plan : Ordinary differential Eq  
Month : January 2018

Date	Particulars
17-01-2018	Examples, exercise 2.1
18-01-2018	Examples, exercise 2.2
19-01-2018	exercise 2.2, Examples of ex. 2.3
20-01-2018	exercise 2.3, Lagrange's Equation
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Clairaut's Equation, exercise 2.4
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Examples, exercise 2.5
26-01-2018	REPUBLIC DAY
27-01-2018	class test of exercise 2.1 to exercise 2.5
28-01-2018	SUNDAY
29-01-2018	Singular solution, Examples of exercise 2.6
30-01-2018	Examples, exercise 2.6
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : February 2018

Date	Topics
01-02-2018	class test of chapter-2
02-02-2018	Orthogonal Trajectories, examples
03-02-2018	Examples, exercise 3.1
04-02-2018	SUNDAY
05-02-2018	Problems, Revision
06-02-2018	class test of exercise 3.1
07-02-2018	Linear differential equations, rules, examples
08-02-2018	Examples, exercise 4.1
09-02-2018	exercise 4.1, problems
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Examples, exercise 4.2
13-02-2018	MAHA SHIVRATRI
14-02-2018	Examples of exercise 4.3
15-02-2018	exercise 4.3
16-02-2018	class test of exercise 4.1, 4.2, 4.3

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.2<sup>nd</sup> Sem.  
Subject Lesson Plan : Ordinary diff. Eq.  
Month : February 2018

Date	Particulars
17-02-2018	Examples of exercise4.4
18-02-2018	SUNDAY
19-02-2018	exercise4.4
20-02-2018	Examples,exercise4.5
21-02-2018	exercise4.5
22-02-2018	Examples,exercise4.6
23-02-2018	exercise4.6
24-02-2018	Problems, Group discussion
25-02-2018	SUNDAY
26-02-2018	class test of exercise4.4,4.5
27-02-2018	class test of exercise4.6
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Homogenous Linear differential equations,examples
06-03-2018	Examples of exercise5.1
07-03-2018	exercise5.1
08-03-2018	Examples of exercise5.2
09-03-2018	exercise5.2
10-03-2018	Group discussion of exercise5.1,5.2
11-03-2018	SUNDAY
12-03-2018	class test of exercise5.1,5.2
13-03-2018	Linear differential equations, methods ,half examples
14-03-2018	Examples,exercise6.1
15-03-2018	Examples of exercise6.2
16-03-2018	exercise6.2,problems

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : March 2018

Date	Particulars
17-03-2018	class test of exercise6.1,6.2
18-03-2018	SUNDAY
19-03-2018	Examples of exercise6.3
20-03-2018	exercise6.3
21-03-2018	Examples, exercise6.4
22-03-2018	class test of exercise6.3,6.4
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Examples of exercise6.5
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	exercise6.5,problems
27-03-2018	class test of exercise6.5
28-03-2018	chapter-7,examples
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Examples, exercise7.1
31-03-2018	Examples of exercise7.2

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	exercise7.2
03-04-2018	class test of exercise7.1,7.2
04-04-2018	Examples of exercise7.3
05-04-2018	exercise7.3,problems
06-04-2018	Revision of exercise7.1,7.2,7.3
07-04-2018	Class test of exercise7.1,7.2,7.3
08-04-2018	SUNDAY
09-04-2018	Total differential equations, half examples
10-04-2018	half examples of exercise8.1
11-04-2018	exercise8.1
12-04-2018	examples of exercise8.2
13-04-2018	exercise8.2,problems
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Class test of exercise 8.1,8.2

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : B.SC.2<sup>nd</sup> SEM.  
Subject Lesson Plan : Ordinary differential eq.  
Month : April 2018

Date	Particulars
17-04-2018	examples of exercise8.3
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	exercise8.3
20-04-2018	examples of exercise8.4
21-04-2018	exercise8.4,problems
22-04-2018	SUNDAY
23-04-2018	Revision of exercise8.4
24-04-2018	class test of exercise8.3,8.4
25-04-2018	Revision of chapter-1
26-04-2018	Revision of chapter-2
27-04-2018	Revision of chapter-3
28-04-2018	Revision of chapter-4
29-04-2018	SUNDAY
30-04-2018	Revision



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : P.D.Equation  
Month : January 2018

Date	Topics
01-01-2018	Def., examples & classification of $k^{\text{th}}$ order
02-01-2018	Initial value problem, Transport Equation
03-01-2018	Non homogenous Transport equation
04-01-2018	class test of above topic
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Radial solution of Laplace's eq.
07-01-2018	SUNDAY
08-01-2018	Fundamental solution, Harmonic function, properties
09-01-2018	Mean value formula, problem
10-01-2018	class test
11-01-2018	Poisson's equation & its solution
12-01-2018	Strong maximum principle, uniqueness
13-01-2018	class test
14-01-2018	SUNDAY
15-01-2018	Local estimate for Harmonic function half
16-01-2018	Local estimate for Harmonic function complete

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup> SEM.  
Subject Lesson Plan : P.D.Equation  
Month : January 2018

Date	Particulars
17-01-2018	Liouville's theorem
18-01-2018	Problem, Group discussion
19-01-2018	class test
20-01-2018	Harnack's Inequality
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	class test
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Green's function & its derivation
26-01-2018	REPUBLIC DAY
27-01-2018	Representation formula using Green's function
28-01-2018	SUNDAY
29-01-2018	Symmetry of Green's function
30-01-2018	Green's function for half space & ball
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : P.D.Equation  
Month : February 2018

Date	Topics
01-02-2018	Energy Method, uniqueness
02-02-2018	class test
03-02-2018	Dirichlet's principle
04-02-2018	SUNDAY
05-02-2018	Heat equation, Physical interpretation
06-02-2018	Fundamental solution of heat eq.
07-02-2018	class test
08-02-2018	Integral of Fundamental solution
09-02-2018	solution of Initial value problem
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Duhamel's principle
13-02-2018	MAHA SHIVRATRI
14-02-2018	Non homogenous heat eq.
15-02-2018	Mean value formula for Heat eq. half
16-02-2018	complete same topic, problem

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : P.D.Equation  
Month : February 2018

Date	Particulars
17-02-2018	class test
18-02-2018	SUNDAY
19-02-2018	Strong maximum principle & uniqueness
20-02-2018	Energy Method, problems
21-02-2018	class test
22-02-2018	Def. of Wave eq., Physical interpretation
23-02-2018	Solution for one Dimensional wave eq.
24-02-2018	D Alembert's formula & its application
25-02-2018	SUNDAY
26-02-2018	Problems, Group Discussion
27-02-2018	class test
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : P.D.Equation  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Reflection Method, Solution by spherical means, Euler Poisson
06-03-2018	Darboux eq., Kirchoff's formula
07-03-2018	Poisson's formula, problems
08-03-2018	Solution of non homogenous wave eq. for $n=1,3$
09-03-2018	Energhy Method, uniqueness
10-03-2018	Problems, Group discussion
11-03-2018	SUNDAY
12-03-2018	class test
13-03-2018	Finite propagation speed of wave eq.
14-03-2018	Non linear first order PDE complete integrals
15-03-2018	class test
16-03-2018	Envelopes characterstics of linear, quasi linear

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : P.D.Equation  
Month : March 2018

Date	Particulars
17-03-2018	Fully non linear first order PDE eq.
18-03-2018	SUNDAY
19-03-2018	Hopf lax formula, weak solutions
20-03-2018	uniqueness problems
21-03-2018	class test
22-03-2018	Group discussion on whole section
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Class test of half section
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Class test of remaining section
27-03-2018	Conservative laws (shocks, entropy condition)
28-03-2018	Lax-Oleinik formula, weak solution, uniqueness
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Problems, Group discussion
31-03-2018	class test of half topic

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC4<sup>th</sup>SEM.  
Subject Lesson Plan : P.D.Equation  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	class test of remaining topic
03-04-2018	Riemann's problem, Long time behaviour
04-04-2018	class test
05-04-2018	Representation of solution separation of variables
06-04-2018	complete above topic
07-04-2018	Similarity solution
08-04-2018	SUNDAY
09-04-2018	Travelling wave, solitons
10-04-2018	problems, group discussion
11-04-2018	class test
12-04-2018	Similarity under scaling
13-04-2018	Fourier Transformation properties
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Laplace Transformation, Relation

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : P.D.Equation  
Month : April 2018

Date	Particulars
17-04-2018	Problems, Group discussion
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	class test
20-04-2018	Converting non linear into linear p.d.e.
21-04-2018	Cole hop transforms
22-04-2018	SUNDAY
23-04-2018	class test
24-04-2018	Potential function
25-04-2018	class test
26-04-2018	Hodograph & Legender Transforms
27-04-2018	problems & group discussion
28-04-2018	class test
29-04-2018	SUNDAY
30-04-2018	Revision



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : January 2018

Date	Topics
01-01-2018	Fundamental Eqn., Derivation of eq. of continuity
02-01-2018	Equation of motion in cylindrical co-ordinates
03-01-2018	Equation of motion in spherical co-ordinates
04-01-2018	Problem, group discussion
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	class test of above topic
07-01-2018	SUNDAY
08-01-2018	Two dimensional inviscid incompressible flows
09-01-2018	Stream function, Irrotational motion in two dimension
10-01-2018	complex potential, source, sink
11-01-2018	Problem, group discussion
12-01-2018	class test of Stream function, Irrotational motion in two dimension
13-01-2018	class test of complex potential, source, sink
14-01-2018	SUNDAY
15-01-2018	Topics of images, Milni Thomson theorem
16-01-2018	Application of Milni Thomson theorem

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup> SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : January 2018

Date	Particulars
17-01-2018	class test of above topic
18-01-2018	Two dimensional irrotational motion
19-01-2018	Motion of circular cylinder
20-01-2018	Problem,group discussion
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	class test
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Motion due to elliptic cylinder
26-01-2018	REPUBLIC DAY
27-01-2018	class test of same topic
28-01-2018	SUNDAY
29-01-2018	class test of section-1
30-01-2018	K.E. of liquid contained in rotating elliptic cylinder
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : February 2018

Date	Topics
01-02-2018	circulation about elliptic cylinder
02-02-2018	class test of K.E. of liquid contained in rotating elliptic cylinder
03-02-2018	class test of circulation
04-02-2018	SUNDAY
05-02-2018	Theorem of Blasius
06-02-2018	Theorem of kutta &joukoeski
07-02-2018	Problem,group discussion
08-02-2018	class test
09-02-2018	K.E. of a cyclic &acyclic irrotational motion
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Class test of half section 2
13-02-2018	MAHA SHIVRATRI
14-02-2018	Axissymmetric flows, stoke stream function
15-02-2018	Stoke stream function of some basic flow
16-02-2018	problem,group discussion

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : February 2018

Date	Particulars
17-02-2018	class test
18-02-2018	SUNDAY
19-02-2018	Motion of sphere through liquid at rest at infinity
20-02-2018	Liquid streaming past a fixed sphere
21-02-2018	Blackboard test,problems
22-02-2018	class test
23-02-2018	Equation of motion of sphere
24-02-2018	D Alembert's paradox,impulsive motion
25-02-2018	SUNDAY
26-02-2018	class test
27-02-2018	problems of half section
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	class test
06-03-2018	Initial motion of liquid contained in concentric spheres
07-03-2018	Vertex motion & its elementary properties
08-03-2018	class test
09-03-2018	Kelvin's proof of permanence
10-03-2018	Application of Kelvin's proof
11-03-2018	SUNDAY
12-03-2018	problem, group discussion
13-03-2018	class test of above topic
14-03-2018	Motion due to circular vortices
15-03-2018	Numericals related to circular vortices
16-03-2018	Numericals related to circular vortices

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : March 2018

Date	Particulars
17-03-2018	class test of same topic
18-03-2018	SUNDAY
19-03-2018	Motion due to rectilinear vortices
20-03-2018	Infinite rows of single line vortices
21-03-2018	class test
22-03-2018	Group discussion
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Infinite rows of double line vortices
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Class test of above topic
27-03-2018	Class test of half section3
28-03-2018	Class test of half section3
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Def. of dynamical similarity, formulae
31-03-2018	class test

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC4<sup>th</sup>SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Reynold's number,physical significance
03-04-2018	Froude number,mach number,prandtl number
04-04-2018	class test
05-04-2018	Buckingham's theorem,numericals
06-04-2018	Numericals,problem
07-04-2018	class test of above topic
08-04-2018	SUNDAY
09-04-2018	Prandtl boundary layer
10-04-2018	Boundary layer eq.in two dimension
11-04-2018	class test
12-04-2018	Blasius solution ,displacement thickness
13-04-2018	class test of above topic
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Von Karman's integral eq.

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Poonam  
Class and Section : M.SC.4<sup>th</sup>SEM.  
Subject Lesson Plan : Fluid Mechanics  
Month : April 2018

Date	Particulars
17-04-2018	Class test
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Seperation of boundary layer
20-04-2018	Problem, group discussion
21-04-2018	Revision of above topic
22-04-2018	SUNDAY
23-04-2018	class test
24-04-2018	Problem,group discussion
25-04-2018	Revision of section 1
26-04-2018	Revision of section 2
27-04-2018	Revision of section 3
28-04-2018	Revision of section 4
29-04-2018	SUNDAY
30-04-2018	Revision



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet

Class and Section : M.Sc.(Maths) (4<sup>TH</sup> SEM)

Subject Lesson Plan : Advanced Discrete Mathematics

Month : January 2018

Date	Topics
01-01-2018	graphs, Konisberg seven bridges problem
02-01-2018	finite and infinite graphs, Incidence vertex, degree of a vertex
03-01-2018	Isolated and pendant vertices, null graphs
04-01-2018	Sub graphs, walks, paths and circuits, connected and disconnected graph
05-01-2018	<b>GURU GOVIND SINGH BIRTHDAY</b>
06-01-2018	Component of a graph, Euler graphs, Isomorphism of graph
07-01-2018	SUNDAY
08-01-2018	Trees and their properties
09-01-2018	Trees and their properties
10-01-2018	Spanning tree
11-01-2018	Spanning tree
12-01-2018	Pendant vertices in a tree
13-01-2018	Tree graph
14-01-2018	SUNDAY
15-01-2018	Hamiltonian paths and circuits
16-01-2018	Hamiltonian paths and circuits

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet

Class and Section : M.Sc.(Maths)(4<sup>TH</sup> SEM)

Subject Lesson Plan : Advanced discrete mathematics

Month : January 2018

Date	Particulars
17-01-2018	The travelling salesman problem
18-01-2018	Rooted and binary tree
19-01-2018	Class test
20-01-2018	Partially ordered set and lattices
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Examples of lattice
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Lattice as an algebraic system
26-01-2018	REPUBLIC DAY
27-01-2018	unit element and zero element of a lattice
28-01-2018	SUNDAY
29-01-2018	Complete lattice
30-01-2018	Isomorphism of lattice
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet

Class and Section : M.Sc.(Maths) (4<sup>th</sup> sem)

Subject Lesson Plan : Advanced Discrete mathematics

Month : February 2018

Date	Topics
01-02-2018	Sub lattice
02-02-2018	Class test
03-02-2018	Distributive lattice
04-02-2018	SUNDAY
05-02-2018	Modular lattice
06-02-2018	Example of a lattice Modular
07-02-2018	Lattice as an intervals
08-02-2018	Lattice as an intervals
09-02-2018	Similar and projective Intervals, Zassenhaus's Lemma
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Chains in lattices and Schreier theorem
13-02-2018	MAHA SHIVRATRI
14-02-2018	Composition chain and Jordan Holder theorem
15-02-2018	Chain conditions
16-02-2018	Fundamental dimensionality relation

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet

Class and Section : M.Sc.(Maths)(4<sup>th</sup> sem)

Subject Lesson Plan : Advanced discrete mathematics

Month : February 2018

Date	Particulars
17-02-2018	Ideals
18-02-2018	SUNDAY
19-02-2018	Dual ideals
20-02-2018	Irreducible elements
21-02-2018	Theorem on irreducible elements
22-02-2018	Class test
23-02-2018	Independent elements in lattice
24-02-2018	Theorem on independent elements
25-02-2018	SUNDAY
26-02-2018	Representation of a finite partially ordered set
27-02-2018	Class test
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet

Class and Section : M.Sc.(Maths)(4<sup>th</sup> sem)

Subject Lesson Plan : Advanced discrete mathematics

Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Complemented lattice
06-03-2018	Points of a lattice
07-03-2018	Chain conditions and complemented lattice
08-03-2018	Chain conditions and complemented lattice
09-03-2018	Elementary abelian p-group
10-03-2018	Group discussion
11-03-2018	SUNDAY
12-03-2018	Boolean algebra
13-03-2018	Theorem on Boolean algebra
14-03-2018	Boolean Ring
15-03-2018	Conversion of a Boolean algebra into a Boolean ring
16-03-2018	Theorem on Boolean ring to Boolean Algebra

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc.(Maths)(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Advanced discrete mathematics  
Month : March 2018

Date	Particulars
17-03-2018	Central idempotent
18-03-2018	SUNDAY
19-03-2018	Class test
20-03-2018	Finite Boolean algebra
21-03-2018	Fundamental theorem of Boolean Algebra
22-03-2018	Finite product of Boolean algebra
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Class test
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Finite product of Boolean algebra
27-03-2018	Boolean functions
28-03-2018	Boolean Expressions
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Application of Boolean algebra to switching circuit theory
31-03-2018	Cutsets

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet

Class and Section : M.Sc.(Maths)(4<sup>TH</sup> SEM)

Subject Lesson Plan : Advanced discrete mathematics

Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Some properties of a cutset
03-04-2018	Some properties of a cutset
04-04-2018	Fundamental circuits and cutset
05-04-2018	Some important theorems
06-04-2018	Vertex connectivity
07-04-2018	Separable graphs
08-04-2018	SUNDAY
09-04-2018	Class test
10-04-2018	Theorems on separability
11-04-2018	Network flows
12-04-2018	Planner graph
13-04-2018	Kuratowski's two graphs
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Representation of planer graphs

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc.(Maths)(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Advanced discrete mathematics  
Month : April 2018

Date	Particulars
17-04-2018	Euler formula for planner graph
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Class test
20-04-2018	vector space associated with graphs
21-04-2018	Basis vectors of a graph
22-04-2018	SUNDAY
23-04-2018	Circuit and cutest subspaces
24-04-2018	Incidence Matrix $A(G)$ of a graph
25-04-2018	submatrices of $A(G)$ , circuit matrix
26-04-2018	Fundamental circuit matrix and its rank
27-04-2018	Cutset matrix, path matrix
28-04-2018	Adjacency matrix of a graph
29-04-2018	SUNDAY
30-04-2018	Group discussion



Name of the Assistant/ Associate Professor: **Manjeet**  
 Class and Section : **M.Sc. (Maths).(2<sup>nd</sup> sem)**  
 Subject Lesson Plan : **Computer programming (Theory)**  
 Month : **January 2018**

<b>Date</b>	<b>Topics</b>
<b>01-01-2018</b>	<b>Evolution OF Fortran</b>
<b>02-01-2018</b>	<b>Simple Fortran 90 programs</b>
<b>03-01-2018</b>	<b>Numeric constant and variables</b>
<b>04-01-2018</b>	<b>Arithmetic operators and expressions</b>
<b>05-01-2018</b>	<b>GURU GOVIND SINGH BIRTHDAY</b>
<b>06-01-2018</b>	<b>Precedence of operators and example of expression</b>
<b>07-01-2018</b>	<b>SUNDAY</b>
<b>08-01-2018</b>	<b>Assignment statement and mixed mode expressions</b>
<b>09-01-2018</b>	<b>Intrinsic function and examples</b>
<b>10-01-2018</b>	<b>Input output statement</b>
<b>11-01-2018</b>	<b>Conditional statement</b>
<b>12-01-2018</b>	<b>conditional statement</b>
<b>13-01-2018</b>	<b>Block do loop and count controlled do loop</b>
<b>14-01-2018</b>	<b>SUNDAY</b>
<b>15-01-2018</b>	<b>Rules to be followed in writing do loop</b>
<b>16-01-2018</b>	<b>Logical constant, variables and expressions and precedence rules</b>

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor: **Manjeet**  
Class and Section : **M.Sc. (Maths). (2<sup>nd</sup> sem)**  
Subject Lesson Plan : **Computer programming (Theory)**  
Month : **January 2018**

<b>Date</b>	<b>Particulars</b>
17-01-2018	Use of logical expressions and case statement
18-01-2018	Function Subprogram and rules for function subprogram
19-01-2018	Subroutine and internal procedures
20-01-2018	Array variables and use of subscripts
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	class test
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	DO type notations for input and output statement
26-01-2018	REPUBLIC DAY
27-01-2018	Initializing arrays and terms used for array
28-01-2018	SUNDAY
29-01-2018	Use of array in do loop
30-01-2018	Whole array operation
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor: Manjeet

Class and Section : M.Sc. (Maths).(2<sup>nd</sup> sem)

Subject Lesson Plan : Computer programming (Theory)

Month : February 2018

Date	Topics
01-02-2018	Format description for numerical data: READ statement
02-02-2018	Format description for Print statement
03-02-2018	Format description for print statement
04-02-2018	SUNDAY
05-02-2018	Multi record formats
06-02-2018	Record spacing
07-02-2018	Tabulation and reading logical quantity
08-02-2018	Generalized input output statements
09-02-2018	Some comments on formats
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	The character data type and manipulating strings
13-02-2018	MAHA SHIVRATRI
14-02-2018	Manipulating strings
15-02-2018	Comparing character strings
16-02-2018	comparing character string

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor: **Manjeet**  
Class and Section : **M.Sc. (Maths).(2<sup>nd</sup> sem)**  
Subject Lesson Plan : **Computer programming (Theory)**  
Month : **February 2018**

<b>Date</b>	<b>Particulars</b>
17-02-2018	<b>Defining derived type</b>
18-02-2018	<b>SUNDAY</b>
19-02-2018	<b>using derived type</b>
20-02-2018	<b>Using derived type in procedures</b>
21-02-2018	<b>Using derived type in array</b>
22-02-2018	<b>Using derived type in array</b>
23-02-2018	<b>Class test</b>
24-02-2018	<b>Polynomial evaluation</b>
25-02-2018	<b>SUNDAY</b>
26-02-2018	<b>polynomial evaluation generalized</b>
27-02-2018	<b>Illustrating use of explicit interface</b>
28-02-2018	<b>VACATION</b>

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor: **Manjeet**  
Class and Section : **M.Sc. (Maths).(2<sup>nd</sup> sem)**  
Subject Lesson Plan : **Computer programming (Theory)**  
Month : **March 2018**

<b>Date</b>	<b>Topics</b>
<b>01-03-2018</b>	<b>GURU RAVIDAS BIRTHDAY</b>
<b>02-03-2018</b>	<b>HOLI</b>
<b>03-03-2018</b>	<b>VACATION</b>
<b>04-03-2018</b>	<b>SUNDAY</b>
<b>05-03-2018</b>	<b>Class test</b>
<b>06-03-2018</b>	<b>Illustrates use of data module</b>
<b>07-03-2018</b>	<b>Procedures with multi dimensional array</b>
<b>08-03-2018</b>	<b>Procedures with multi dimensional array</b>
<b>09-03-2018</b>	<b>Procedures with multi dimensional array</b>
<b>10-03-2018</b>	<b>Procedures with multi dimensional array</b>
<b>11-03-2018</b>	<b>SUNDAY</b>
<b>12-03-2018</b>	<b>Temporary arrays in procedures</b>
<b>13-03-2018</b>	<b>Function as dummy arguments</b>
<b>14-03-2018</b>	<b>Function as dummy arguments</b>
<b>15-03-2018</b>	<b>group discussion</b>
<b>16-03-2018</b>	<b>class test</b>

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor: Manjeet

Class and Section : M.Sc.(Maths).(2<sup>nd</sup> sem)

Subject Lesson Plan : Computer programming (Theory)

Month : March 2018

Date	Particulars
17-03-2018	A Review of procedures
18-03-2018	SUNDAY
19-03-2018	Recursive functions
20-03-2018	Recursive functions
21-03-2018	Generic procedures
22-03-2018	Generic procedures
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	User defined operators
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	User defined operators
27-03-2018	Overloading assignment
28-03-2018	Array valued functions
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Group discussion
31-03-2018	Class test

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor: Manjeet

Class and Section : M.Sc. (Maths).(2<sup>nd</sup> sem)

Subject Lesson Plan : Computer programming (Theory)

Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	USE of keywords arguments
03-04-2018	Scope of names in Fortran 90
04-04-2018	Saving values of variables
05-04-2018	The Pointer data type
06-04-2018	Creating a list data structure
07-04-2018	Application of Binary tree
08-04-2018	SUNDAY
09-04-2018	Application of binary tree
10-04-2018	Abstract data type with module
11-04-2018	Abstract data type with module
12-04-2018	Application of stack
13-04-2018	Abstract data type Complex
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Kind specification for reals

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc. (Maths).(2<sup>nd</sup> sem)  
Subject Lesson Plan : Computer programming(Theory)  
Month : April 2018

Date	Particulars
17-04-2018	Kind specification with integers
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Use of complex quantities
20-04-2018	Array operation with mask
21-04-2018	Name list input output
22-04-2018	SUNDAY
23-04-2018	Forall statement
24-04-2018	Pure procedures and Elemental PROCEDURES
25-04-2018	creating a file
26-04-2018	Searching and updating a file
27-04-2018	Direct access file
28-04-2018	Inquire statement
29-04-2018	SUNDAY
30-04-2018	Class test



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor :Manjeet  
Class and Section :B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan :Sequence and series  
Month : January 2018

Date	Topics
01-01-2018	Sets: bounded above and below
02-01-2018	completeness axiom and exercise 1.1
03-01-2018	Neighbourhood of a point and theorems
04-01-2018	Open sets and related theorem
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Examples of Ex 1.2
07-01-2018	SUNDAY
08-01-2018	Closed sets and related theorem
09-01-2018	Limit point and adherent points
10-01-2018	Some important theorems
11-01-2018	Some important theorems
12-01-2018	Examples of Ex 1.3
13-01-2018	Examples of Ex 1.3
14-01-2018	SUNDAY
15-01-2018	Closure of a set
16-01-2018	Some theorems

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Sequence and series  
Month : January 2018

Date	Particulars
17-01-2018	Compact set and Heine borel properties
18-01-2018	Sequence: Real sequence, convergent sequence
19-01-2018	Some theorems on convergent sequence
20-01-2018	Divergent sequence, Oscillating sequence, null sequence
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Test of chapter 1
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Examples of Ex-2.1
26-01-2018	REPUBLIC DAY
27-01-2018	Examples of Ex-2.1
28-01-2018	SUNDAY
29-01-2018	Some theorems on Limit
30-01-2018	Squeeze principle, Cauchy first and second theorem
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Sequence and series  
Month : February 2018

Date	Topics
01-02-2018	Examples of Ex 2.2
02-02-2018	Monotonic sequence and Nested sequence
03-02-2018	Examples of Ex 2.3
04-02-2018	SUNDAY
05-02-2018	Examples of Ex 2.3
06-02-2018	Class test
07-02-2018	Limit point and cluster point
08-02-2018	Bolzano Weierstrass theorem and Cauchy sequence
09-02-2018	Cauchy's general principle of convergence
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Examples of Ex 2.4
13-02-2018	MAHA SHIVRATRI
14-02-2018	Subsequence and some theorem related to subsequence
15-02-2018	Class test
16-02-2018	Infinite series: SOME EXAMPLES

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Sequence and series  
Month : February 2018

Date	Particulars
17-02-2018	Some theorems and Ex 3.1
18-02-2018	SUNDAY
19-02-2018	Cauchy's general principle of convergence
20-02-2018	Convergence and divergence of Geometris series
21-02-2018	Series of POSITIVE TERMS AND GENERAL TEST
22-02-2018	Comparison test
23-02-2018	
24-02-2018	P-series test
25-02-2018	SUNDAY
26-02-2018	Examples of EX-3.2
27-02-2018	Examples of EX-3.2
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Sequence and series  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	De Alembert Ratio test
06-03-2018	Cauchy's root test
07-03-2018	Raabe's test
08-03-2018	Class test
09-03-2018	Logarithmic test
10-03-2018	De Morgan's and Bertrand's test
11-03-2018	SUNDAY
12-03-2018	Cauchy integral test
13-03-2018	Cauchy condensation test
14-03-2018	Class test
15-03-2018	Alternating series: Leibnitz test
16-03-2018	Absolute convergence and conditional convergence

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Sequence and series  
Month : March 2018

Date	Particulars
17-03-2018	Example of Ex-5.1
18-03-2018	SUNDAY
19-03-2018	Arbitrary series: ABEL'S LEMMA and ABEL'S TEST
20-03-2018	DIRICHLET'S TEST
21-03-2018	Examples of Ex 6.1
22-03-2018	Examples of Ex 6.1
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Test of chapter-5
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Insertion and removal of parenthesis
27-03-2018	Examples of Ex-6.2
28-03-2018	REIMANN'S Rearrangement theorem
29-03-2018	MAHAVIR JAYANTI
30-03-2018	PRINGHEM THEOREM
31-03-2018	Examples of Ex-6.3

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Sequence and series  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Examples of Ex-6.3
03-04-2018	Class test
04-04-2018	Multiplication of Series
05-04-2018	Cauchy product
06-04-2018	Product theorem
07-04-2018	Cauchy's theorem
08-04-2018	SUNDAY
09-04-2018	Class test
10-04-2018	Mertin's theorem
11-04-2018	Cesaro's theorem
12-04-2018	Abel's theorem
13-04-2018	Examples of Ex-6.4
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Examples of Ex-6.4

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : B.A./B.SC.(4<sup>TH</sup> SEM)  
Subject Lesson Plan : Sequence and series  
Month : April 2018

Date	Particulars
17-04-2018	Class test
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Infinite product
20-04-2018	Examples of Ex 7.1
21-04-2018	Examples of Ex 7.1
22-04-2018	SUNDAY
23-04-2018	Convergence of an infinite product
24-04-2018	SOME THEOREMS ON Convergence of Infinite product
25-04-2018	
26-04-2018	Absolute convergence of an Infinite product
27-04-2018	Examples of Ex 7.2
28-04-2018	Examples of Ex 7.2
29-04-2018	SUNDAY
30-04-2018	Group discussion



## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc. (Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : January 2018

Date	Topics
01-01-2018	Simple Fortran 90 Program
02-01-2018	Rules of writing a program
03-01-2018	Concept related to area of a triangle
04-01-2018	Program to calculate area of triangle
05-01-2018	<b>GURU GOVIND SINGH BIRTHDAY</b>
06-01-2018	Program execution
07-01-2018	<b>SUNDAY</b>
08-01-2018	Program execution
09-01-2018	Program execution
10-01-2018	Program execution
11-01-2018	How to find perimeter and area of a circle
12-01-2018	Program to find perimeter and area of a circle
13-01-2018	Class test
14-01-2018	<b>SUNDAY</b>
15-01-2018	Program execution
16-01-2018	Program execution

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc. (Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : January 2018

Date	Particulars
17-01-2018	Program execution
18-01-2018	Program execution
19-01-2018	How to find Arithmetic , geometric and harmonic mean
20-01-2018	program to verify $g^2=a*h$
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Group discussion
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Program execution
26-01-2018	REPUBLIC DAY
27-01-2018	Program execution
28-01-2018	SUNDAY
29-01-2018	Program execution
30-01-2018	Program execution
31-01-2018	GURU RAVIDAS BIRTHDAY

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc. (Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : February 2018

Date	Topics
01-02-2018	How to find Largest among three numbers by using If statement
02-02-2018	Use IF..THEN..ELSE to find Largest among three numbers
03-02-2018	Program execution
04-02-2018	SUNDAY
05-02-2018	Program execution
06-02-2018	Program execution
07-02-2018	Program execution
08-02-2018	Class test
09-02-2018	How to find Solution of Q UADRATIC EQUATION
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Program to solve quadratic equation
13-02-2018	MAHA SHIVRATRI
14-02-2018	Program execution
15-02-2018	Program execution
16-02-2018	Program execution

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc. (Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : February 2018

Date	Particulars
17-02-2018	Program execution
18-02-2018	SUNDAY
19-02-2018	Class test
20-02-2018	Program to find Location of a given point
21-02-2018	Program execution
22-02-2018	Program execution
23-02-2018	Program execution
24-02-2018	Program execution
25-02-2018	SUNDAY
26-02-2018	To find if a given 4-digit year is a leap year or not
27-02-2018	To find if a given 4-digit year is a leap year or not
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor :Manjeet  
Class and Section : M.Sc. (Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Program execution
06-03-2018	Program execution
07-03-2018	Program execution
08-03-2018	Program execution
09-03-2018	To find the greatest common divisor of two given positive integers
10-03-2018	To find the greatest common divisor of two given positive integers
11-03-2018	SUNDAY
12-03-2018	Program execution
13-03-2018	Program execution
14-03-2018	Program execution
15-03-2018	Program execution
16-03-2018	To check an equation $a*x**2+b*y**2+2*c*x+2*d*y+e=0$ with given coefficients representing parabola/hyperbola/ellipse/circle or else

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc.(Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : March 2018

Date	Particulars
17-03-2018	To check an equation $a*x**2+b*y**2+2*c*x+2*d*y+e=0$ with given coefficients representing parabola/hyperbola/ellipse/circle or else
18-03-2018	SUNDAY
19-03-2018	Program execution
20-03-2018	Program execution
21-03-2018	Program execution
22-03-2018	Program execution
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Class test
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	TO verify sum of cubes of first m positive integers is same as the square of the sum of these integers
27-03-2018	TO verify sum of cubes of first m positive integers is same as the square of the sum of these integers
28-03-2018	Program execution
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Program execution
31-03-2018	Program execution

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc. (Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Program execution
03-04-2018	Program execution
04-04-2018	Class test
05-04-2018	How to compute sine series by using function subprogram
06-04-2018	How to compute cosine series by using function subprogram
07-04-2018	Program to find error in verify $\sin(x+y)=\sin(x)\cos(y)+\cos(x)\sin(y)$
08-04-2018	SUNDAY
09-04-2018	Program to find error in verify $\sin(x+y)=\sin(x)\cos(y)+\cos(x)\sin(y)$
10-04-2018	Program execution
11-04-2018	Program execution
12-04-2018	Program execution
13-04-2018	Program execution
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Group discussion

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Manjeet  
Class and Section : M.Sc. (Maths)(2<sup>nd</sup> sem)  
Subject Lesson Plan : Practical-II (Fortran-90)  
Month : April 2018

Date	Particulars
17-04-2018	Use select case to calculate the income tax on a given income at the existing rates
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Use select case to calculate the income tax on a given income at the existing rates
20-04-2018	Class test
21-04-2018	Program execution
22-04-2018	SUNDAY
23-04-2018	Program execution
24-04-2018	Program execution
25-04-2018	Program execution
26-04-2018	Problem solving- (Part A)
27-04-2018	Problem solving-(Part-A)
28-04-2018	Problem solving(Part-A)
29-04-2018	SUNDAY
30-04-2018	Problem solving(Part-A)



## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc  
Mathematics, Semester –II  
Subject Lesson Plan : Real Analysis  
Month : January 2018

Date	Topics
01-01-2018	Lebesgue outer measure
02-01-2018	Elementary properties of outer measure
03-01-2018	Elementary properties of outer measure
04-01-2018	Elementary properties of outer measure
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Class –test
07-01-2018	SUNDAY
08-01-2018	Measurable sets and their properties
09-01-2018	Measurable sets and their properties
10-01-2018	Measurable sets and their properties
11-01-2018	Lebesgue measure of sets of real numbers
12-01-2018	Algebra of measurable sets
13-01-2018	Group discussion
14-01-2018	SUNDAY
15-01-2018	Class –test
16-01-2018	Borel sets

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc  
Mathematics, Semester –II  
Subject Lesson Plan : Real Analysis  
Month : January 2018

Date	Particulars
17-01-2018	F- $\sigma$ sets and G- $\delta$ sets
18-01-2018	Existence of a non –measurable set
19-01-2018	Existence of a non –measurable set
20-01-2018	Lebesgue measurable functions and their properties
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Class –test
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Lebesgue measurable functions and their properties
26-01-2018	REPUBLIC DAY
27-01-2018	Lebesgue measurable functions and their properties
28-01-2018	SUNDAY
29-01-2018	Characteristic functions
30-01-2018	Simple function
31-01-2018	GURU RAVIDAS BIRTHDAY

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics,  
Semester -II  
Subject Lesson Plan : Real Analysis  
Month : February 2018

Date	Topics
01-02-2018	Simple function
02-02-2018	Approximation of measurable functions by sequence of simple functions
03-02-2018	Group discussion
04-02-2018	SUNDAY
05-02-2018	Class -test
06-02-2018	Measurable functions as nearly continuous functions
07-02-2018	Borel measurability of a function
08-02-2018	Borel measurability of a function
09-02-2018	Almost uniform convergence
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Class -test
13-02-2018	MAHA SHIVRATRI
14-02-2018	Almost uniform convergence

15-02-2018	Almost uniform convergence
16-02-2018	Egoroff's theorem

### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc  
**Mathematics, Semester -II**  
**Subject Lesson Plan** : Real Analysis  
**Month** : February 2018

Date	Particulars
17-02-2018	Lusin's theorem
18-02-2018	SUNDAY
19-02-2018	Class -test
20-02-2018	Convergence in measure
21-02-2018	Convergence in measure
22-02-2018	F -Riesz theorem
23-02-2018	Shortcomings of Riemann integral
24-02-2018	Lebesgue integral of a bounded function over a set of finite measure and its properties
25-02-2018	SUNDAY
26-02-2018	Lebesgue integral of a bounded function over a set of finite measure and its properties
27-02-2018	Lebesgue integral of a bounded function over a set of finite measure and its properties
28-02-2018	VACATION

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics  
Subject Lesson Plan : Real Analysis  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class -test
06-03-2018	Lebesgue integral as a generalization of the Riemann integral
07-03-2018	Lebesgue integral as a generalization of the Riemann integral
08-03-2018	Bounded convergence theorem
09-03-2018	Lebesgue theorem
10-03-2018	Integral of a non -negative function
11-03-2018	SUNDAY
12-03-2018	Class -test
13-03-2018	Fatou's lemma

14-03-2018	Monotone convergence theorem
15-03-2018	Integrable functions
16-03-2018	The general lebesgue integral

### LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani

Class and Section : M.Sc

Mathematics, Semester –II

Subject Lesson Plan : Real Analysis

Month : March 2018

Date	Particulars
17-03-2018	The general lebesgue integral
18-03-2018	SUNDAY
19-03-2018	Class –test
20-03-2018	Lebesgue convergence theorem
21-03-2018	Differentiation of monotone monotone functions
22-03-2018	Vitali's covering lemma
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Vitali's covering lemma
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Class –test
27-03-2018	The four Dini's Derivatives
28-03-2018	Lebesgue differentiation theorem
29-03-2018	MAHAVIR JAYANTI

30-03-2018	Functions of bounded variation and their representation as difference of monotone functions
31-03-2018	Functions of bounded variation and their representation as difference of monotone functions

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics,  
Semester -II  
Subject Lesson Plan : Real Analysis  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Class -test
03-04-2018	Differentiation of an integral
04-04-2018	Differentiation of an integral
05-04-2018	Absolutely continuous functions
06-04-2018	Absolutely continuous functions
07-04-2018	Convex functions
08-04-2018	SUNDAY
09-04-2018	Class -test
10-04-2018	Jensen's inequality
11-04-2018	The $L^p$ Spaces
12-04-2018	Minkowski inequality

13-04-2018	Holder inequality
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY
16-04-2018	Class –test

### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc  
**Mathematics.Semester -II**  
**Subject Lesson Plan** : Real Analysis  
**Month** : April 2018

Date	Particulars
17-04-2018	Completeness of $L^p$ Spaces
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Bounded linear functionals on the $L^p$ Spaces
20-04-2018	Bounded linear functionals on the $L^p$ Spaces
21-04-2018	Riesz Representation theorem
22-04-2018	SUNDAY
23-04-2018	Riesz Representation theorem
24-04-2018	Class –test
25-04-2018	Revision of section –I
26-04-2018	Revision of section –II
27-04-2018	Revision of section –III



<b>28-04-2018</b>	<b>Revision of section -IV</b>
<b>29-04-2018</b>	<b>SUNDAY</b>
<b>30-04-2018</b>	<b>Group discussion</b>

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics ,  
Semester –IV  
Subject Lesson Plan : Algebraic Number Theory  
Month : January 2018

Date	Topics
01-01-2018	Algebraic Numbers And Algebraic Integers , Transcendental Numbers
02-01-2018	Liouville's theorem for real algebraic numbers
03-01-2018	Numerical
04-01-2018	Thue theorem and roth's theorem
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Class –test
07-01-2018	SUNDAY
08-01-2018	Group –discussion
09-01-2018	Algebraic number field K
10-01-2018	Theorem of primitive elements
11-01-2018	Exercise and examples
12-01-2018	Exercise and examples
13-01-2018	Exercise and examples
14-01-2018	SUNDAY
15-01-2018	Class –test
16-01-2018	Liouville's theorem for complex algebraic numbers

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics ,  
Semester –IV  
Subject Lesson Plan : Algebraic Number Theory  
Month : January 2018

Date	Particulars
17-01-2018	Minimal polynomial of an algebraic integers
18-01-2018	Minimal polynomial of an algebraic integers
19-01-2018	Primitive $m$ -th roots of unity
20-01-2018	Primitive $m$ -th roots of unity
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Class –test
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Class –test
26-01-2018	REPUBLIC DAY
27-01-2018	Cyclotomic polynomials
28-01-2018	SUNDAY
29-01-2018	Cyclotomic polynomials
30-01-2018	Norm and trace of algebraic numbers and algebraic integers
31-01-2018	GURU RAVIDAS BIRTHDAY



## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics ,  
Semester –IV  
Subject Lesson Plan : Algebraic Number Theory  
Month : February 2018

Date	Topics
01-02-2018	Norm and trace of algebraic numbers and algebraic integers
02-02-2018	Bilinear form on algebraic number field $K$
03-02-2018	Bilinear form on algebraic number field $K$
04-02-2018	SUNDAY
05-02-2018	Class –test
06-02-2018	Integral basis and discriminant of an algebraic number field
07-02-2018	Integral basis and discriminant of an algebraic number field
08-02-2018	Index of an element of $K$
09-02-2018	Rings $O_K$ of algebraic integers of an algebraic number field $K$
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Class –test
13-02-2018	MAHA SHIVRATRI
14-02-2018	Rings $O_K$ of algebraic integers of an algebraic number field $K$
15-02-2018	Rings $O_K$ of algebraic integers of an algebraic number field $K$

16-02-2018	Ideals in the ring of algebraic number field $K$
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### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc Mathematics ,  
**Semester –IV**  
**Subject Lesson Plan** : Algebraic Number Theory  
**Month** : February 2018

Date	Particulars
17-02-2018	Ideals in the ring of algebraic number field $K$
18-02-2018	SUNDAY
19-02-2018	Ideals in the ring of algebraic number field $K$
20-02-2018	Ideals in the ring of algebraic number field $K$
21-02-2018	Integrally closed domains
22-02-2018	Dedekind domains
23-02-2018	Dedekind domains
24-02-2018	Fractional ideals of $K$
25-02-2018	SUNDAY
26-02-2018	Fractional ideals of $K$
27-02-2018	Factorization of ideals as a product of prime ideals in the ring of algebraic integers of an algebraic number field $K$
28-02-2018	VACATION

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics ,  
Semester –IV  
Subject Lesson Plan : Algebraic Number Theory  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class –test
06-03-2018	Factorization of ideals as a product of prime ideals in the ring of algebraic integers of an algebraic number field $K$
07-03-2018	G.C.D and L.C.M of ideal in $O_K$
08-03-2018	G.C.D and L.C.M of ideal in $O_K$
09-03-2018	Chinese Remainder Theorem
10-03-2018	Chinese Remainder Theorem
11-03-2018	SUNDAY
12-03-2018	Class –test
13-03-2018	Different of an algebraic number field $K$
14-03-2018	Dedekind Theorem
15-03-2018	Dedekind Theorem

16-03-2018	Euclidean Rings
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### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc Mathematics ,  
**Semester –IV**  
**Subject Lesson Plan** : Algebraic Number Theory  
**Month** : March 2018

Date	Particulars
17-03-2018	Euclidean Rings
18-03-2018	SUNDAY
19-03-2018	Hurwitz lemma and Hurwitz constant
20-03-2018	Equivalent fractional ideals
21-03-2018	Equivalent fractional ideals
22-03-2018	Ideal class –group
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Class –test
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Class –test
27-03-2018	Finiteness of the ideal class –group
28-03-2018	Finiteness of the ideal class –group
29-03-2018	MAHAVIR JAYANTI
30-03-2018	Class number of the algebraic number field $K$



<b>31-03-2018</b>	<b>Group discussion</b>
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## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics ,  
Semester –IV  
Subject Lesson Plan : Algebraic Number Theory  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Diophantine equations
03-04-2018	Diophantine equations
04-04-2018	Minikowski's bound
05-04-2018	Minikowski's bound
06-04-2018	Legendre symbol
07-04-2018	Legendre symbol
08-04-2018	SUNDAY
09-04-2018	Class –test
10-04-2018	Gauss Sum
11-04-2018	Gauss Sum
12-04-2018	Law of quadratic reciprocity
13-04-2018	Law of quadratic reciprocity
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY

16-04-2018	Class –test
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### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc Mathematics ,  
**Semester –IV**  
**Subject Lesson Plan** : Algebraic Number Theory  
**Month** : April 2018

Date	Particulars
17-04-2018	Quadratic fields
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Quadratic fields
20-04-2018	Primes in special progression
21-04-2018	Primes in special progression
22-04-2018	SUNDAY
23-04-2018	Class –test
24-04-2018	Group discussion
25-04-2018	Revision of section –I
26-04-2018	Revision of section –I I
27-04-2018	Revision of section –I II
28-04-2018	Revision of section –IV
29-04-2018	SUNDAY
30-04-2018	Group discussion



## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc  
Mathematics, Semester-IVth  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : January 2018

Date	Topics
01-01-2018	Linear 2 <sup>nd</sup> Order Equation, Numericals
02-01-2018	Numericals
03-01-2018	Self Adjoint Equation of second order
04-01-2018	Self Adjoint Equation of second order
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Class -test
07-01-2018	SUNDAY
08-01-2018	Superposition principal
09-01-2018	Riccati's Equation
10-01-2018	Riccati's Equation
11-01-2018	Pruffer Transformation
12-01-2018	Pruffer Transformation
13-01-2018	Numerical
14-01-2018	SUNDAY
15-01-2018	Class -test

16-01-2018	Zero's of a solution
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**SPECIMEN OF LESSON PLAN FORMAT**

**Name of the Assistant/ Associate Professor** : **Anju Rani**  
**Class and Section** : **M.Sc**  
**Mathematics, Semester IV**  
**Subject Lesson Plan** : **General Measure and**  
**Integration Theory**  
**Month** : **January 2018**

Date	Particulars
17-01-2018	Zero's of a solution
18-01-2018	Oscillatory and non-oscillatory equations
19-01-2018	Oscillatory and non-oscillatory equations
20-01-2018	Group discussion
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Class -test
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Abel's formula
26-01-2018	REPUBLIC DAY
27-01-2018	Common Zero's of solutions and their linear dependence
28-01-2018	SUNDAY
29-01-2018	

<b>30-01-2018</b>	
<b>31-01-2018</b>	<b>GURU RAVIDAS BIRTHDAY</b>

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc  
Mathematics, Semester IV  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : February 2018

Date	Topics
01-02-2018	Class-test
02-02-2018	Group discussion, Sturm separation theorem
03-02-2018	Sturm fundamental comparison theorem and its corollaries
04-02-2018	SUNDAY
05-02-2018	Numericals
06-02-2018	Class-test
07-02-2018	Group discussion
08-02-2018	Autonomous system: the phase, plane, paths and critical points
09-02-2018	Types of critical points: Node, Center, Spiral, Saddle points
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Class -test
13-02-2018	MAHA SHIVRATRI
14-02-2018	Stability of critical points
15-02-2018	Critical points and paths of linear system



16-02-2018	Numericals
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### SPECIMEN OF LESSON PLAN FORMAT

**Name of the Assistant/ Associate Professor** : **Anju Rani**  
**Class and Section** : **M.Sc**  
**Mathematics, Semester –IV**  
**Subject Lesson Plan** : **General Measure and**  
**Integration Theory**  
**Month** : **February 2018**

Date	Particulars
17-02-2018	Numericals
18-02-2018	SUNDAY
19-02-2018	Numericals
20-02-2018	Numericals
21-02-2018	Group discussion
22-02-2018	Class –test
23-02-2018	Revision of section 2 <sup>nd</sup>
24-02-2018	Revision of section 2 <sup>nd</sup>
25-02-2018	SUNDAY
26-02-2018	Critical points and paths of non- linear system
27-02-2018	Critical points and paths of non- linear system
28-02-2018	VACATION

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics,  
Semester –IV  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Class –test
06-03-2018	Liapunov function
07-03-2018	Liapunov's direct method
08-03-2018	Liapunov's direct method
09-03-2018	Liapunov's direct method
10-03-2018	Group discussion
11-03-2018	SUNDAY
12-03-2018	Class –test
13-03-2018	Limit cycle,existence and non-existence of limit cycle
14-03-2018	Limit cycle,existence and non-existence of limit cycle
15-03-2018	Benedixson's non-existence criterion

16-03-2018	Numericals
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### SPECIMEN OF LESSON PLAN FORMAT

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc Mathematics,  
**Semester –IV**  
**Subject Lesson Plan** : General Measure and  
**Integration Theory**  
**Month** : March 2018

Date	Particulars
17-03-2018	Half path or semi orbit, limit set
18-03-2018	SUNDAY
19-03-2018	Class –test
20-03-2018	Group discussion
21-03-2018	Poincare Bendixson theorem
22-03-2018	Index of critical points
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Class –test
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Class –test
27-03-2018	2 <sup>nd</sup> order boundary value problem, periodic boundary condition, regular linear BVP, singular linear BVP, non -linear BVP
28-03-2018	2 <sup>nd</sup> order boundary value problem, periodic boundary condition, regular linear BVP, singular linear BVP, non -linear BVP
29-03-2018	MAHAVIR JAYANTI

<b>30-03-2018</b>	<b>Class -test</b>
<b>31-03-2018</b>	<b>Group discussion</b>

## SPECIMEN OF LESSON PLAN FORMAT

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc  
Mathematics, Semester –IV  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Sturm –liouville BVP
03-04-2018	Sturm –liouville BVP
04-04-2018	Numericals
05-04-2018	Numericals
06-04-2018	Numericals
07-04-2018	Orthogonality of functions
08-04-2018	SUNDAY
09-04-2018	Class –test
10-04-2018	Orthogonality of eigen functions corresponding to distinct eigen values
11-04-2018	Orthogonality of eigen functions corresponding to distinct eigen values
12-04-2018	Green’s function
13-04-2018	Green’s function
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY

16-04-2018	Green's function
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### SPECIMEN OF LESSON PLAN FORMAT

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc  
**Mathematics, Semester –IV**  
**Subject Lesson Plan** : General Measure and  
**Integration Theory**  
**Month** : April 2018

Date	Particulars
17-04-2018	Class –test
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Applications of BVP
20-04-2018	Applications of BVP
21-04-2018	Use of implicit function theorem and fixed point theorem for periodic solutions of linear and non –linear equations
22-04-2018	SUNDAY
23-04-2018	Use of implicit function theorem and fixed point theorem for periodic solutions of linear and non –linear equations
24-04-2018	Class –test
25-04-2018	Revision of section –I
26-04-2018	Revision of section –II
27-04-2018	Revision of section –III
28-04-2018	Revision of section –IV
29-04-2018	SUNDAY

<b>30-04-2018</b>	<b>Group discussion</b>
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## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics,  
Semester –IV  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : January 2018

Date	Topics
01-01-2018	Set theoretic notations and terminology
02-01-2018	Chapter -I (Rings and $\sigma$ -rings )
03-01-2018	Chapter -I (Rings and $\sigma$ -rings )
04-01-2018	Chapter -2 ( the lemma on monotone class )
05-01-2018	GURU GOVIND SINGH BIRTHDAY
06-01-2018	Chapter -3 (set functions , measures)
07-01-2018	SUNDAY
08-01-2018	Chapter -3 (set functions , measures)
09-01-2018	Chapter -4 ( some properties of measures)
10-01-2018	Chapter -5 (outer measure)
11-01-2018	Chapter -5 (outer measure)
12-01-2018	Chapter -5 (outer measure)
13-01-2018	Group discussion
14-01-2018	SUNDAY
15-01-2018	Class -test



16-01-2018	Chapter -6 (extension of measure)
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### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc Mathematics,  
**Semester -IV**  
**Subject Lesson Plan** : General Measure and  
**Integration Theory**  
**Month** : January 2018

Date	Particulars
17-01-2018	Chapter -6 (extension of measure)
18-01-2018	Chapter -9 (completion of measure)
19-01-2018	Chapter -10 (the LUB of an increasingly directed family of measures)
20-01-2018	Chapter -11 (measurable spaces)
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	Class -test
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	Chapter -12 (measurable functions)
26-01-2018	REPUBLIC DAY
27-01-2018	Chapter -12 (measurable functions)
28-01-2018	SUNDAY
29-01-2018	Chapter -13 (combination of measurable functions)

<b>30-01-2018</b>	<b>Chapter -13 (combination of measurable functions)</b>
<b>31-01-2018</b>	<b>GURU RAVIDAS BIRTHDAY</b>

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics  
,Semester -IV  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : February 2018

Date	Topics
01-02-2018	Chapter -14 (limit of measurable functions)
02-02-2018	Chapter -15 (localization of measurability)
03-02-2018	Chapter -16 (simple functions)
04-02-2018	SUNDAY
05-02-2018	Chapter -16 (simple functions)
06-02-2018	Group discussion
07-02-2018	Class -test
08-02-2018	Chapter -17,18 (measure space, The “Almost Everywhere” concept)
09-02-2018	Chapter -19 (almost everywhere convergence)
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	Chapter -20 (convergence in measure)
13-02-2018	MAHA SHIVRATRI
14-02-2018	Chapter -21 (almost uniform convergence , egoroff’s theorem)
15-02-2018	Chapter -21 (almost uniform convergence , egoroff’s theorem)

16-02-2018	Chapter -22 (integrable functions)
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### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc Mathematics  
**,Semester -IV**  
**Subject Lesson Plan** : General Measure and  
**Integration Theory**  
**Month** : February 2018

Date	Particulars
17-02-2018	Chapter -22 (integrable functions)
18-02-2018	SUNDAY
19-02-2018	Class -test
20-02-2018	Chapter -23
21-02-2018	Chapter -24 (non -negative integrable functions)
22-02-2018	Chapter -24 (non -negative integrable functions)
23-02-2018	Chapter -25 (integrable functions)
24-02-2018	Chapter -25 (integrable functions)
25-02-2018	SUNDAY
26-02-2018	Chapter -25 (integrable functions)
27-02-2018	Chapter -26 (indefinite integrals)
28-02-2018	VACATION

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics  
,Semester -IV  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	Chapter -27 ( The Monotone Convergence Theorem)
06-03-2018	Chapter -27 ( The Monotone Convergence Theorem)
07-03-2018	Chapter -28 ( mean convergence )
08-03-2018	Class -test
09-03-2018	Chapter -34 (rectangles)
10-03-2018	Chapter -35 (Cartesian product of two measurable spaces)
11-03-2018	SUNDAY
12-03-2018	Class -test
13-03-2018	Chapter -36 (Sections)
14-03-2018	Chapter -36 (Sections)
15-03-2018	Chapter -38 (The Product of two finite measure spaces)

16-03-2018	Chapter -38 (The Product of two finite measure spaces)
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### LESSON PLAN

**Name of the Assistant/ Associate Professor** : Anju Rani  
**Class and Section** : M.Sc  
**Mathematics, Semester -IV**  
**Subject Lesson Plan** : General Measure and  
**Integration Theory**  
**Month** : March 2018

Date	Particulars
17-03-2018	Chapter -39 (The Product of any two measure spaces)
18-03-2018	SUNDAY
19-03-2018	Chapter -39 (The Product of any two measure spaces)
20-03-2018	Chapter -39 (The Product of any two measure spaces)
21-03-2018	Chapter -40 9Product of two $\sigma$ -finite measure spaces)
22-03-2018	Iterated integrals
23-03-2018	SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV
24-03-2018	Fubini's theorem
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	Class -test
27-03-2018	Chapter -43,44 (absolute continuity , finite signed measure)
28-03-2018	Chapter -45 , 46 (contraction of a finite signed measure , purely +ve and purely -ve sets)
29-03-2018	MAHAVIR JAYANTI

<b>30-03-2018</b>	<b>Chapter -47 (comparison of finite measures)</b>
<b>31-03-2018</b>	<b>Class -test</b>

## LESSON PLAN

Name of the Assistant/ Associate Professor : Anju Rani  
Class and Section : M.Sc Mathematics  
,Semester -IV  
Subject Lesson Plan : General Measure and  
Integration Theory  
Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	Radon –Nikodym Theorem
03-04-2018	Jordan –Hahn Decomposition of a finite signed measure
04-04-2018	Jordan –Hahn Decomposition of a finite signed measure
05-04-2018	Domination of finite signed measure , The Radon –Nikodym Theorem for finite measure space
06-04-2018	The Radon –Nikodym Theorem for a $\sigma$ - finite measure space
07-04-2018	Continuous functions with compact support , $G_\delta$ 's and $F_\sigma$ 's sets
08-04-2018	SUNDAY
09-04-2018	Class –test
10-04-2018	Baire sets , Baire function , Baire –Sandwich Theorem
11-04-2018	Baire sets , Baire function , Baire –Sandwich Theorem
12-04-2018	Chapter -57 (Borel sets )
13-04-2018	Regularity of Baire Measures
14-04-2018	DR AMBEDKAR JAYANTI / VAISAKHI
15-04-2018	SUNDAY



16-04-2018	Class –test
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### LESSON PLAN

**Name of the Assistant/ Associate Professor** : **Anju Rani**  
**Class and Section** : **M.Sc Mathematics**  
**,Semester -IV**  
**Subject Lesson Plan** : **General Measure and**  
**Integration Theory**  
**Month** : **April 2018**

Date	Particulars
17-04-2018	Regular Borel Measures
18-04-2018	PARASHURAMA JAYANTI
19-04-2018	Integration of continuous functions with compact support
20-04-2018	Integration of continuous functions with compact support
21-04-2018	Riesz – Markoff’s Theorem
22-04-2018	SUNDAY
23-04-2018	Group discussion
24-04-2018	Class –test
25-04-2018	Revision of section -I
26-04-2018	Revision of section -II
27-04-2018	Revision of section -III
28-04-2018	Revision of section -IV
29-04-2018	SUNDAY

<b>30-04-2018</b>	<b>Group discussion</b>
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## Lesson Plan

Name of the Assistant Professor NEELAM SHARMA

Class and Section:.....B.COM 2ND ...SEM... SEC-B.....

Subject:.....FINANCIAL... ACCOUNTING.....

Week	Date	Topics
1	1-Jan-18	introduction of partnership
	2-Jan-18	P & L appropriation, partners capital a/c
	3-Jan-18	int. on drawings and practical problems
	4-Jan-18	rules in absence of partnership deed, int. on capital
	5-Jan-18	Guru Govind Singh Birthday
	6-Jan-18	adj. after closing of accounts
	7-Jan-18	Sunday
2	8-Jan-18	guarantee of profit and Life insurance Policy
	9-Jan-18	practical discussion
	10-Jan-18	partnership- admission introduction
	11-Jan-18	profit sharing ratio calculation
	12-Jan-18	PSR cal. Cont...
	13-Jan-18	goodwill and methods of calculation
	14-Jan-18	Sunday
3	15-Jan-18	goodwill and methods of calculation cont...
	16-Jan-18	changes in profit sharing ratio adj. of LI policy
	17-Jan-18	revaluation and memorandum reval. a/c
	18-Jan-18	adj. of undistributed P&L and reserves
	19-Jan-18	adj. of capital
	20-Jan-18	practical practice and assignment- I
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	retirement and death- introduction, profit share calculation
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	treatment of goodwill
	26-Jan-18	Republic Day
	27-Jan-18	revaluation of assets and liabilities
	28-Jan-18	Sunday
5	29-Jan-18	adj. of undistributed P&L and reserves
	30-Jan-18	payment to retiring partner
	31-Jan-18	Guru Ravidas jayanti

## Lesson Plan

Name of Assistant Professor

Class and Section:.....B.COM...2ND...SEM.....

Subject:.....FINANCIAL... ACCOUNTING

Week	Date	Topics
1	1-Feb-18	adj. of capital according to new profit sharing ratio
	2-Feb-18	accounting treatment of JL policy
	3-Feb-18	practical problem
	4-Feb-18	Sunday
2	5-Feb-18	death of partner- introduction, calculation of profit upto death
	6-Feb-18	practical problem
	7-Feb-18	partnership- dissolution introduction
	8-Feb-18	realisation account, partners loan
	9-Feb-18	capital account and bank account
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	accounting treatment of reserves and provisions
	13-Feb-18	Maha Shivratri
	14-Feb-18	when balance sheet not given
	15-Feb-18	insolvency of partners
	16-Feb-18	gradual realisation of assets and piecemeal distribution
	17-Feb-18	practical problem
	18-Feb-18	Sunday
4	19-Feb-18	sale of partnership firm to company - introduction
	20-Feb-18	journal entries in the books of vendor firm
	21-Feb-18	journal entries in the books of purchasing co.
	22-Feb-18	practical problem
	23-Feb-18	test
	24-Feb-18	Joint venture - introduction
	25-Feb-18	Sunday
5	26-Feb-18	joint banking method
	27-Feb-18	to keep record of J.V by one co-venturer
	28-Feb-18	KUK Holidays

## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....B.COM...2ND...SEM.....

Subject:.....FINANCIAL... ACCOUNTING.....

Week	Date	Topics
1	1-Mar-18	KUK Holidays/Guru Ravidas Birthday
	2-Mar-18	KUK Holidays/Holi
	3-Mar-18	KUK Holidays
	4-Mar-18	KUK Holidays/Sunday
2	5-Mar-18	to keep record of his own transactions by each co-venturer/ memorandum method
	6-Mar-18	underwriting of shares of company
	7-Mar-18	cash transaction through own banking A/c's
	8-Mar-18	practical problem
	9-Mar-18	test and assignment - II
	10-Mar-18	Branch account - introduction
	11-Mar-18	Sunday
3	12-Mar-18	debtors and direct system
	13-Mar-18	practicle practice
	14-Mar-18	posting in branch account & missing account
	15-Mar-18	practical problem
	16-Mar-18	goods in transit, when goods are supplied at invoiced price
	17-Mar-18	practical problem
	18-Mar-18	Sunday
4	19-Mar-18	final accounts method
	20-Mar-18	normal and abnormal losses
	21-Mar-18	stock and debtors system
	22-Mar-18	whole sale price system
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	independent branch,special transactions and their entries
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	foreign branch
	27-Mar-18	practical problem
	28-Mar-18	query session
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	test

## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....B.COM...2ND ...SEM.....

Subject:.....FINANCIAL... ACCOUNTING.....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	hire purchase and installment payment methods- introduction
	3-Apr-18	necessary accounts in books of hire purchaser and vendor
	4-Apr-18	int. included in installment or not
	5-Apr-18	computation of cash price
	6-Apr-18	calculation of int. when rate not given
	7-Apr-18	return of goods due to non payment of installment
	8-Apr-18	Sunday
2	9-Apr-18	valuation of goods returned
	10-Apr-18	transfer of asset to 3rd party during hire purchase period
	11-Apr-18	practical problem
	12-Apr-18	sale of asset by hire purchaser
	13-Apr-18	when vendor also changes insurance premium in addition to int. from purchaser
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	provision of free repair by vendor
	17-Apr-18	asset accrual method
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	preparation of hire purchase trading account
	20-Apr-18	stock and debtors system
	21-Apr-18	instalment payment system- introduction
	22-Apr-18	Sunday
4	23-Apr-18	practicle problem
	24-Apr-18	revision
	25-Apr-18	presentation and test
	26-Apr-18	revision
	27-Apr-18	presentation and test
	28-Apr-18	problem discussion

**Name of the Assistant/ Associate Professor** : **NEELAM**  
**Class and Section** : **B COM\_ VI SEM**  
**Subject Lesson Plan** : **International marketing**  
**Month** : **January 2018**

<b>Date</b>	<b>Topics</b>
<b>01-01-2018</b>	International marketing: meaning, national and international mkt.
<b>02-01-2018</b>	Nature, export, multinational , global marketing.
<b>03-01-2018</b>	Factor affecting international marketing.
<b>04-01-2018</b>	Scope of international marketing.
<b>05-01-2018</b>	Importance of international marketing.
<b>06-01-2018</b>	Transition from domestic to international marketing.
<b>07-01-2018</b>	<b>SUNDAY</b>
<b>08-01-2018</b>	Importance of international business environment.
<b>09-01-2018</b>	Components of international marketing environment.
<b>10-01-2018</b>	Resale price maintenance.
<b>11-01-2018</b>	Identifying foreign market.
<b>12-01-2018</b>	Proper selection of international marketing.
<b>13-01-2018</b>	Preference available for Indian exporter.
<b>14-01-2018</b>	<b>SUNDAY</b>
<b>15-01-2018</b>	Export promotion organizations.
<b>16-01-2018</b>	Forms of international marketing.

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**Subject Lesson Plan** : **International marketing**  
**Month** : **January 2018**

<b>Date</b>	<b>Particulars</b>
17-01-2018	Export houses in India.
18-01-2018	Meaning, importance of product .
19-01-2018	Level of product.
20-01-2018	Product planning.
21-01-2018	<b>SUNDAY</b>
22-01-2018	<b>VASANT PANCHAMI</b>
23-01-2018	Product development.
24-01-2018	<b>SIR CHOTU RAM JAYANTI</b>
25-01-2018	Product development.
26-01-2018	<b>REPUBLIC DAY</b>
27-01-2018	Product innovation: meaning, importance.
28-01-2018	<b>SUNDAY</b>
29-01-2018	Essentials for the success of product innovation.
30-01-2018	Product life cycle, Factor affecting product life cycle.
31-01-2018	<b>GURU RAVIDAS BIRTHDAY</b>



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**Month** : **February 2018**

<b>Date</b>	<b>Topics</b>
01-02-2018	Branding : meaning, features.
02-02-2018	Importance of branding.
03-02-2018	Types of brand.
04-02-2018	<b>SUNDAY</b>
05-02-2018	Brand policies and strategies.
06-02-2018	Branding problems in international marketing.
07-02-2018	Trade mark.
08-02-2018	Packing: meaning features.
09-02-2018	Need of packing, objective of packing.
10-02-2018	<b>MAHARSHI DAYANAND SARASWATI JAYANTI</b>
11-02-2018	<b>SUNDAY</b>
12-02-2018	Function of packing
13-02-2018	<b>MAHA SHIVRATRI</b>
14-02-2018	Advantages of packing.
15-02-2018	Policies and strategies in packing.
16-02-2018	Packing design.

Name of the Assistant/ Associate Professor : NEELAM

Class and Section : B COM\_ VI SEM

Subject Lesson Plan : International marketing

Month : February 2018

Date	Particulars
17-02-2018	Labelling : meaning, importance
18-02-2018	<b>SUNDAY</b>
19-02-2018	International pricing.
20-02-2018	Factor affecting international pricing.
21-02-2018	Price and non price factors.
22-02-2018	Methods of pricing in international marketing.
23-02-2018	Price strategies.
24-02-2018	International price quotation.
25-02-2018	<b>SUNDAY</b>
26-02-2018	International price quotation.
27-02-2018	International price quotation.
28-02-2018	<b>VACATION</b>

Name of the Assistant/ Associate Professor : NEELAM\_\_\_\_\_

Class and Section : \_\_\_\_\_B COM\_ VI SEM

Subject Lesson Plan : International marketing

Month : March 2018

Date	Topics
01-03-2018	GURU RAVIDAS BIRTHDAY
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	International payment: meaning, features
06-03-2018	Method of payment in international marketing.
07-03-2018	Accepting houses :meaning ,working of accepting houses.
08-03-2018	Sales promotion: meaning , features.
09-03-2018	Reason for growth in sales promotion, objective of sales promotion.
10-03-2018	Importance of sales promotion.
11-03-2018	SUNDAY
12-03-2018	Main steps involved in sales promotion.
13-03-2018	Types of sales promotion.
14-03-2018	Export promotion organization.
15-03-2018	Problems in sale promotion in international marketing.
16-03-2018	Advertising: meaning, characteristics.

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**Month** : **March 2018**

<b>Date</b>	<b>Particulars</b>
<b>17-03-2018</b>	Objective of advertisement, media in advertising.
<b>18-03-2018</b>	<b>SUNDAY</b>
<b>19-03-2018</b>	Media selection in advertising.
<b>20-03-2018</b>	Advertising strategies in international marketing.
<b>21-03-2018</b>	Direct mail advertising in international marketing.
<b>22-03-2018</b>	Personal selling: meaning, features.
<b>23-03-2018</b>	<b>SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU &amp; SUKHDEV</b>
<b>24-03-2018</b>	Importance of personal selling, limitation of personal selling.
<b>25-03-2018</b>	<b>SUNDAY/ RAM NAVMI</b>
<b>26-03-2018</b>	Need of personal selling, types of personal selling.
<b>27-03-2018</b>	Method of personal selling in international marketing,
<b>28-03-2018</b>	Fair and exhibition: meaning, objectives.
<b>29-03-2018</b>	<b>MAHAVIR JAYANTI</b>
<b>30-03-2018</b>	Types of fairs and exhibition.
<b>31-03-2018</b>	Merits and demerits of fairs and exhibition.

**Name of the Assistant/ Associate Professor** : **NEELAM**  
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**Subject Lesson Plan** : **International marketing**  
**Month** : **April 2018**

<b>Date</b>	<b>Topics</b>
<b>01-04-2018</b>	<b>SUNDAY</b>
<b>02-04-2018</b>	Distribution channel: meaning and definition of distribution channel.
<b>03-04-2018</b>	Types of distribution channel.
<b>04-04-2018</b>	Strategies of distribution channel.
<b>05-04-2018</b>	Factor affecting distribution channel.
<b>06-04-2018</b>	Level of distribution channel.
<b>07-04-2018</b>	Marketing logistics decision for export: Importance , problems.
<b>08-04-2018</b>	<b>SUNDAY</b>
<b>09-04-2018</b>	Different means of transportation.
<b>10-04-2018</b>	Selection of ideal means of transport.
<b>11-04-2018</b>	Function and need of storage and warehousing.
<b>12-04-2018</b>	Necessity of warehousing for export marketing.
<b>13-04-2018</b>	Need of agents in international marketing.
<b>14-04-2018</b>	<b>DR AMBEDKAR JAYANTI / VAISAKHI</b>
<b>15-04-2018</b>	<b>SUNDAY</b>
<b>16-04-2018</b>	Identifying foreign sales agents

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**Month** : **April 2018**

<b>Date</b>	<b>Particulars</b>
<b>17-04-2018</b>	Agency contracts
<b>18-04-2018</b>	<b>PARASHURAMA JAYANTI</b>
<b>19-04-2018</b>	Revision of syllabus.
<b>20-04-2018</b>	Revision of syllabus.
<b>21-04-2018</b>	Revision of syllabus.
<b>22-04-2018</b>	<b>SUNDAY</b>
<b>23-04-2018</b>	Revision of syllabus.
<b>24-04-2018</b>	Agency contracts.
<b>25-04-2018</b>	Revision of syllabus.
<b>26-04-2018</b>	Revision of syllabus.
<b>27-04-2018</b>	Presentation
<b>28-04-2018</b>	Revision of syllabus.
<b>29-04-2018</b>	Agency contracts
<b>30-04-2018</b>	Agency contracts