

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Mrs Sonam Arora Class & Section: Msc(Maths)2nd sem Subject: Theory of Field Extension		
	Date	Topics to be covered
Week 1	01.01.2019	<i>Extension of fields</i>
	02.01.2019	Simple Extensions
	03.01.2019	Simple Extensions
	04.01.2019	Algebraic & Transcendental extensions
	05.01.2019	Algebraic & Transcendental extensions
	06.01.2019	Sunday
	07.01.2019	Revesion
Week 2	08.01.2019	<i>Factorization of polynomials</i>
	09.01.2019	Factorization of polynomials
	10.01.2019	Splitting Fields
	11.01.2019	Splitting Fields
	12.01.2019	Splitting Fields
	13.01.2019	sunday
	14.01.2019	Test
Week 3	15.01.2019	<i>Elementary properties of Fields</i>
	16.01.2019	Algebraically closed Fields
	17.01.2019	Algebraically closed Fields
	18.01.2019	Algebraically closed Fields
	19.01.2019	Separable Extensions
	20.01.2019	Sunday
	21.01.2019	Separable Extensions
Week 4	22.01.2019	Separable Extensions
	23.01.2019	Perfect Fields
	24.01.2019	Perfect Fields
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	<i>Perfect Fields</i>

Week 5	29.01.2019	Revesion
	30.01.2019	Revesion
	31.01.2019	Assignment
	01.02.2019	Test
	02.02.2019	Galois theory: Automorphism of Fields
	03.02.2019	Sunday
	04.02.2019	Automorphism of Fields
Week 6	05.02.2019	Automorphism of Fields
	06.02.2019	Automorphism of Fields
	07.02.2019	Monomorphism & their dependence
	08.02.2019	Monomorphism & their dependence
	09.02.2019	Fixed Fields
	10.02.2019	Sunday
	11.02.2019	Fixed Fields
Week 7	12.02.2019	Fixed Fields
	13.02.2019	Normal Extensions
	14.02.2019	Normal Extensions
	15.02.2019	Normal Extensions
	16.02.2019	Normal closure of an extension
	17.02.2019	Sunday
	18.02.2019	Normal closure of an extension
Week 8	19.02.2019	Guru RavidasJayanti
	20.02.2019	The Fundamental theorem of Galois theory
	21.02.2019	The Fundamental theorem of Galois theory
	22.02.2019	Test
	23.02.2019	Assignment
	24.02.2019	Sunday
	25.02.2019	Norms & Traces
Week 9	26.02.2019	Normal basis
	27.02.2019	Normal basis
	28.02.2019	Maharishi DayanandSaraswatiJayanti
	01.03.2019	Galois Fields
	02.03.2019	Galois Fields
	03.03.2019	Sunday
	04.03.2019	Shivratri

Week 10	05.03.2019	Galois Fields
	06.03.2019	Cyclotomic Extensions
	07.03.2019	<i>Cyclotomic Extensions</i>
	08.03.2019	Cyclotomic Extensions
	09.03.2019	Cyclotomic polynomials
	10.03.2019	Sunday
	11.03.2019	Cyclotomic polynomials
Week 11	12.03.2019	Revesion
	13.03.2019	<i>Revesion</i>
	14.03.2019	Test
	15.03.2019	Cyclotomic Extensions of rational number field
	16.03.2019	Cyclotomic extensions of rational number field
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Cyclic Extensions
	26.03.2019	Cyclic Extensions
	27.03.2019	Wedderburn Theorem
	28.03.2019	Wedderburn Theorem
	29.03.2019	Assignment
	30.03.2019	Revesion
	31.03.2019	Sunday
Week 13	01.04.2019	Revesion
	02.04.2019	Ruler & Compass Construction
	03.04.2019	Ruler & Compass Construction
	04.04.2019	Solution by Radicals
	05.04.2019	Solution by Radicals
	06.04.2019	Test
	07.04.2019	Sunday
Week 14	08.04.2019	Assignment
	09.04.2019	Insolvability of general polynomial
	10.04.2019	Insolvability of general polynomial
	11.04.2019	Extensions by Radicals
	12.04.2019	Extensionsby Radicals
	13.04.2019	Generic polynomial
	14.04.2019	Sunday

Week 15	15.04.2019	Generic polynomial
	16.04.2019	Algebraically independent sets
	17.04.2019	MahaveerJayanti
	18.04.2019	Algebraically independent sets
	19.04.2019	Algebraically independent sets
	20.04.2019	Revesion
	21.04.2019	Sunday
Week 16	22.04.2019	Revesion
	23.04.2019	Revesion
	24.04.2019	Revesion
	25.04.2019	Test
	26.04.2019	Revesion
	27.04.2019	Revesion
	28.04.2019	Sunday
Week 17	29.04.2019	Revesion
	30.04.2019	Revesion

**K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Jan-Apr 2019)**

Name of Asst/Associate Professor :Ms. Shilpa		
Class & Section: Msc Mathematics 2ndsem		
Subject: Integral Equation and Calculus of Variations		
	Date	Topics to be covered
Week 1	01.01.2019	Linear integral equations ,basic identities
	02.01.2019	Initial value problems reduced to volterra integral equations
	03.01.2019	Initial value problems reduced to volterra integral equations
	04.01.2019	Initial value problems reduced to volterra integral equations
	05.01.2019	Boundary value problem reduced to Fredhloim integral equations
	06.01.2019	Sunday
	07.01.2019	Boundary value problem reduced to Fredhloim integral equations

Week 2	08.01.2019	Boundary value problem reduced to Fredholm integral equations
	09.01.2019	Method of successive substitution to solve Volterra integral equations
	10.01.2019	Method of successive substitution to solve Volterra integral equations
	11.01.2019	Method of successive substitution to solve Fredholm integral equations
	12.01.2019	Method of successive substitution to solve Fredholm integral equations
	13.01.2019	Sunday
	14.01.2019	Method of successive approximation to solve Volterra integral equations
Week 3	15.01.2019	Method of successive approximation to solve Volterra integral equations
	16.01.2019	Method of successive approximation to solve Fredholm integral equations
	17.01.2019	Method of successive approximation to solve Fredholm integral equations
	18.01.2019	Revision
	19.01.2019	Revision
	20.01.2019	Sunday
	21.01.2019	Volterra equation of second type
Week 4	22.01.2019	Volterra equation of second type
	23.01.2019	Iterated kernels for Volterra equations
	24.01.2019	Assignment
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic Day
	27.01.2019	Sunday
	28.01.2019	Iterated kernels for Volterra equations
Week 5	29.01.2019	Test
	30.01.2019	Iterated kernels for Fredholm equations
	31.01.2019	Iterated kernels for Fredholm equations
	01.02.2019	Revision
	02.02.2019	Revision
	03.02.2019	Sunday

	04.02.2019	Neumann series for volterra equation
Week 6	05.02.2019	Neumann series for volterra equation
	06.02.2019	Neumann series for Fredhlom equation
	07.02.2019	Neumann series for Fredhlom equation
	08.02.2019	Resolvent kernels for volterra equation
	09.02.2019	Resolvent kernels for volterra equation
	10.02.2019	Sunday
	11.02.2019	Resolvent kernels for Fredhlom equation
	Week 7	12.02.2019
13.02.2019		Laplace transform method for difference kernel
14.02.2019		Laplace transform method for difference kernel
15.02.2019		Solution of volterra equation of first kind
16.02.2019		Solution of volterra equation of first kind
17.02.2019		Sunday
18.02.2019		Revision
Week 8	19.02.2019	Guru Ravidas Jayanti
	20.02.2019	Test
	21.02.2019	Fredhlom equation with seperable kernel
	22.02.2019	Fredhlom equation with seperable kernel
	23.02.2019	Revision
	24.02.2019	Sunday
	25.02.2019	Fredhlom resolvent kernel as ratio of two series
Week 9	26.02.2019	Fredhlom resolvent kernel as ratio of two series
	27.02.2019	Fredhlom Alternative
	28.02.2019	Maharishi Dayanand Saraswati Jayanti
	01.03.2019	Fredhlom Alternative
	02.03.2019	Numerical
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Non homogeneous Fredhlom equation with degenerate kernels
	06.03.2019	Non homogeneous Fredhlom equation with degenerate kernels
	07.03.2019	Green function ,use of method of variation to construct green function for non homogenous

		boundary value problem
	08.03.2019	Green function ,use of method of variation to construct green function for non homogenous boundary value problem
	09.03.2019	Green function ,use of method of variation to construct green function for non homogenous boundary value problem
	10.03.2019	Sunday
	11.03.2019	Properties of Green function
Week 11	12.03.2019	Alternate method of constructing Green function
	13.03.2019	Alternate method of constructing Green function
	14.03.2019	Revision
	15.03.2019	Revision
	16.03.2019	Assignment
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Test
	26.03.2019	Reduction of boundary value problem to fredhlo m equation with kernel as green function
	27.03.2019	Reduction of boundary value problem to fredhlo m equation with kernel as green function
	28.03.2019	Reduction of boundary value problem to fredhlo m equation with kernel as green function
	29.03.2019	Hilbert-Schmidt theory for symmetric kernels
	30.03.2019	Hilbert-Schmidt theory for symmetric kernels
	31.03.2019	Sunday
Week 13	01.04.2019	Revision
	02.04.2019	Motivating problems of calculus of variations
	03.04.2019	Motivating problems of calculus of variations
	04.04.2019	Shortest distance
	05.04.2019	Shortest distance
	06.04.2019	Minimum surface of resolution
	07.04.2019	Sunday
Week 14	08.04.2019	Minimum surface of resolution
	09.04.2019	Brachistochrone problem

	10.04.2019	Brachistochrone problem
	11.04.2019	Isoperimetric problem
	12.04.2019	Isoperimetric problem
	13.04.2019	Geodesic
	14.04.2019	Sunday
Week 15	15.04.2019	Geodesic
	16.04.2019	Revision
	17.04.2019	Mahaveer Jayanti
	18.04.2019	Fundamental lemma of calculus of variations
	19.04.2019	Fundamental lemma of calculus of variations
	20.04.2019	Revision
	21.04.2019	Sunday
Week 16	22.04.2019	Euler equation for n dependant function and to higher order derivatives
	23.04.2019	Euler equation for n dependant function and to higher order derivatives
	24.04.2019	Conditional extremum under geometric constraints and under integral constraints
	25.04.2019	Conditional extremum under geometric constraints and under integral constraints
	26.04.2019	Revision
	27.04.2019	Revision
	28.04.2019	Sunday
Week 17	29.04.2019	Revision
	30.04.2019	Revision

**K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Jan-Apr 2019)**

Name of Asst/Associate Professor : Vandana Arora
Class & Section:M.sc(p) mathematics 2nd sem
Subject:Measure and Integration Theory

	Date	Topics to be covered
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Week 1	01.01.2019	<i>Introduction of set theory</i>
	02.01.2019	InRevisionof inteutive idea of measure theory
	03.01.2019	Elementary properties of measure
	04.01.2019	Measurable sets and their Fundamentalproperties
	05.01.2019	Revision
	06.01.2019	Sunday
	07.01.2019	Lebesgue measure of a set of real number
Week 2	08.01.2019	<i>algebra of measurable sets</i>
	09.01.2019	borel sets
	10.01.2019	Equivalent formulation of measurable sets in terms of open,closed sets
	11.01.2019	non measurable sets
	12.01.2019	Revision
	13.01.2019	sunday
	14.01.2019	Measurable function n their equivalent formmulation
Week 3	15.01.2019	<i>properties of measurable function</i>
	16.01.2019	Approximation of a measurable function
	17.01.2019	measurable n continuous function
	18.01.2019	Egoroff theorem
	19.01.2019	Lusin theorem
	20.01.2019	Sunday
	21.01.2019	convergence in measure
Week 4	22.01.2019	Riesz theorem
	23.01.2019	Almost uniform convergence theorem
	24.01.2019	Revision
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	<i>Test</i>
Week 5	29.01.2019	Assignment
	30.01.2019	Riemann integral
	31.01.2019	Lebesgue integral
	01.02.2019	<i>bounded convergence theorem</i>
	02.02.2019	Revision

	03.02.2019	Sunday
	04.02.2019	<i>Lebesgue theorem on discontinuity</i>
Week 6	05.02.2019	Reimann integrable function
	06.02.2019	<i>Revision</i>
	07.02.2019	<i>Revision</i>
	08.02.2019	Revision
	09.02.2019	Revision
	10.02.2019	Sunday
	11.02.2019	Integral of non negative function
Week 7	12.02.2019	<i>Fatou's lemma</i>
	13.02.2019	monotone convergence theorem
	14.02.2019	Revision
	15.02.2019	Revision
	16.02.2019	Revision
	17.02.2019	Sunday
	18.02.2019	<i>Assignment</i>
Week 8	19.02.2019	Guru RavidasJayanti
	20.02.2019	Test
	21.02.2019	Monotone convergence theorem
	22.02.2019	General lebesgue integral
	23.02.2019	Lebesgue convergence theorem
	24.02.2019	Sunday
	25.02.2019	Revision
Week 9	26.02.2019	Revision
	27.02.2019	<i>Revision</i>
	28.02.2019	Maharishi DayanandSaraswatiJayanti
	01.03.2019	Assignment
	02.03.2019	Test
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Vitali covering lemma
	06.03.2019	Differentiation of monotonic function
	07.03.2019	<i>function of bounded variation</i>
	08.03.2019	Representation

	09.03.2019	Difference of monotonic function
	10.03.2019	Sunday
	11.03.2019	Differentiation of indefinite integral
Week 11	12.03.2019	Revision
	13.03.2019	<i>Revision</i>
	14.03.2019	Revision
	15.03.2019	Revision
	16.03.2019	Revision
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	test
	26.03.2019	Assignment
	27.03.2019	Fundamental theorem of calculus
	28.03.2019	Practice of theorem
	29.03.2019	Absolutely continuous function
	30.03.2019	Revision
	31.03.2019	Sunday
Week 13	01.04.2019	Properties of absolutely continuous function
	02.04.2019	Revision
	03.04.2019	Revision
	04.04.2019	Revision
	05.04.2019	Revision
	06.04.2019	Revision
	07.04.2019	Sunday
Week 14	08.04.2019	Test
	09.04.2019	Assignment
	10.04.2019	Revision
	11.04.2019	Revision of 1st unit
	12.04.2019	Revisionof1stunit
	13.04.2019	Revisionof1stunit
	14.04.2019	Sunday
	Week 15	15.04.2019
16.04.2019		Revision of 2nd unit
17.04.2019		MahaveerJayanti

	18.04.2019	Revision of 2nd unit
	19.04.2019	Revision of 2nd unit
	20.04.2019	Revision of 2nd unit
	21.04.2019	Sunday
Week 16	22.04.2019	test
	23.04.2019	Revision of 3rd unit
	24.04.2019	Revision of 3rd unit
	25.04.2019	revision of 3rd unit
	26.04.2019	Test
	27.04.2019	Revision of 4th unit
	28.04.2019	Sunday
Week 17	29.04.2019	Revision of 4th unit
	30.04.2019	Test of 4th unit

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Shilpa		
Class & Section: MSc previous 2nd sem		
Subject: Partial Differential Equations		
	Date	Topics to be covered
Week 1	01.01.2019	Introduction of subject
	02.01.2019	Boundary value problem
	03.01.2019	Examples of BVP One dimensional heat equation
	04.01.2019	One dimensional heat equation
	05.01.2019	Examples and exercise
	06.01.2019	Sunday
	07.01.2019	Steady state temperature in a rectangular plate
Week 2	08.01.2019	Circular disc, semi finite plate
	09.01.2019	Examples and exercise
	10.01.2019	The heat eqn in semi finite and infinite regions
	11.01.2019	Solution of three dimensional laplace eqn
	12.01.2019	Example and exercise
	13.01.2019	Sunday

	14.01.2019	Heat eqn and wave eqn
Week 3	15.01.2019	Wave eqn in Cartesian coordinate
	16.01.2019	Wave eqn in cylindrical and spherical coordinate
	17.01.2019	Exercise
	18.01.2019	More examples
	19.01.2019	Test
	20.01.2019	Sunday
	21.01.2019	Method of separation of variable to solve BVP
Week 4	22.01.2019	Examples related to topic
	23.01.2019	Motion of vibrating string
	24.01.2019	Examples related to topic
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	Examples
Week 5	29.01.2019	Solution of BVP with motion of vibrating string
	30.01.2019	Examples
	31.01.2019	Solution of wave eqn
	01.02.2019	Solution of wave eqn for semi finite string
	02.02.2019	Continuation of topic
	03.02.2019	Sunday
	04.02.2019	Examples and exercise
Week 6	05.02.2019	More examples
	06.02.2019	Solution of wave eqn for infinite string
	07.02.2019	Examples
	08.02.2019	Continuation of topic
	09.02.2019	Examples and exercise
	10.02.2019	Sunday
	11.02.2019	Partial differential eqn
Week 7	12.02.2019	PDE: examples of PDE classification
	13.02.2019	Examples
	14.02.2019	Transport eqn : IVP
	15.02.2019	Continuation of topic
	16.02.2019	Examples
	17.02.2019	Sunday

	18.02.2019	Test
Week 8	19.02.2019	Guru Ravidas Jayanti
	20.02.2019	Non homogeneous eqn
	21.02.2019	Examples
	22.02.2019	Laplace eqn
	23.02.2019	Fundamental solution of laplace eqn
	24.02.2019	Sunday
	25.02.2019	Mean value formula
Week 9	26.02.2019	Examples
	27.02.2019	Properties of harmonic functions
	28.02.2019	Maharishi Dayanand Saraswati Jayanti
	01.03.2019	Green functions
	02.03.2019	Examples and exercise
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Heat eqn
	06.03.2019	Heat eqn fundamental solution
	07.03.2019	Numerical related to topic
	08.03.2019	Mean value formula
	09.03.2019	Numerical
	10.03.2019	Sunday
	11.03.2019	Test
Week 11	12.03.2019	Energy methods
	13.03.2019	Examples and exercise
	14.03.2019	More examples
	15.03.2019	Wave eqn
	16.03.2019	wave eqn solution by spherical means
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Examples
	26.03.2019	More numerical
	27.03.2019	Continuation of topic wave eqn
	28.03.2019	Non homogeneous eqn
	29.03.2019	Non homogeneous eqn
	30.03.2019	Examples

	31.03.2019	Sunday
Week 13	01.04.2019	Examples
	02.04.2019	Energy method to solve
	03.04.2019	Examples
	04.04.2019	Homogeneous and non homogeneous eqn
	05.04.2019	Examples
	06.04.2019	More numerical
	07.04.2019	Sunday
Week 14	08.04.2019	Linear and non linear PDE
	09.04.2019	Non linear PDE
	10.04.2019	Non linear first order PDE
	11.04.2019	Complete integral
	12.04.2019	Examples
	13.04.2019	Envelopes
	14.04.2019	Sunday
Week 15	15.04.2019	Characteristics
	16.04.2019	Hamilton Jacobi equations
	17.04.2019	Mahaveer Jayanti
	18.04.2019	Calculus of variation
	19.04.2019	Hamilton ODE
	20.04.2019	Legendre transform
	21.04.2019	Sunday
Week 16	22.04.2019	Examples and exercise
	23.04.2019	Hopf lax formula
	24.04.2019	Weak solutions
	25.04.2019	Numerical related to topic
	26.04.2019	Uniqueness
	27.04.2019	Examples and exercise
	28.04.2019	Sunday
Week 17	29.04.2019	Examples and exercise
	30.04.2019	Examples and exercise

**K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Jan-Apr 2019)**

Name of Asst/Associate Professor : Vandana Arora

Class & Section: M.sc mathematics (p)2nd sem

Subject: Operational research

	Date	Topics to be covered
Week 1	01.01.2019	<i>Introduction of operations research</i>
	02.01.2019	origin, definition, and scope
	03.01.2019	Linear programming
	04.01.2019	formulation of linear programming
	05.01.2019	Numerical based on graphical problem
	06.01.2019	Sunday
	07.01.2019	Simplex method
Week 2	08.01.2019	<i>problems based on graphical method</i>
	09.01.2019	Problems based on simplex method
	10.01.2019	practice of numerical
	11.01.2019	practice of numerical
	12.01.2019	Revision
	13.01.2019	sunday
	14.01.2019	Big-m method
Week 3	15.01.2019	<i>Two face method</i>
	16.01.2019	problems based on big-m method
	17.01.2019	problems based on two face method
	18.01.2019	practice of numerical
	19.01.2019	Practice of numerical
	20.01.2019	Sunday
	21.01.2019	Degeneracy
Week 4	22.01.2019	Duality in linear programming
	23.01.2019	problems based
	24.01.2019	problems based
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	<i>Test</i>
Week 5	29.01.2019	Assignment
	30.01.2019	Revision

	31.01.2019	Revision
	01.02.2019	<i>Transportation problem</i>
	02.02.2019	Basic feasible solution
	03.02.2019	Sunday
	04.02.2019	<i>problems based on transportation</i>
Week 6	05.02.2019	Problems based
	06.02.2019	<i>Stepping stone method</i>
	07.02.2019	<i>Modified distribution method</i>
	08.02.2019	Problems based
	09.02.2019	Problems based
	10.02.2019	Sunday
	11.02.2019	Unbalanced problem
Week 7	12.02.2019	<i>degenerate problem</i>
	13.02.2019	Problems based
	14.02.2019	Problems based
	15.02.2019	Transshipment problem
	16.02.2019	Assignment problem
	17.02.2019	Sunday
	18.02.2019	<i>Problems based</i>
Week 8	19.02.2019	Guru RavidasJayanti
	20.02.2019	Problems based
	21.02.2019	Hungarian method
	22.02.2019	Problems based
	23.02.2019	Unbalanced problem
	24.02.2019	Sunday
	25.02.2019	Problems based
Week 9	26.02.2019	Case of maximization
	27.02.2019	<i>Traveling salesman</i>
	28.02.2019	Maharishi DayanandSaraswatiJayanti
	01.03.2019	Crew assignment problem
	02.03.2019	Problems based
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	test
	06.03.2019	Assignment

	07.03.2019	<i>Stochastic process</i>
	08.03.2019	Problems based
	09.03.2019	Poisson process
	10.03.2019	Sunday
	11.03.2019	problems based
Week 11	12.03.2019	birth death process
	13.03.2019	<i>problems based</i>
	14.03.2019	Queuing method
	15.03.2019	Components of queuing system
	16.03.2019	Problems based
	17.03.2019	Sunday
Holi Vacations 17.03.19-24.03.2019		
Week 12	25.03.2019	test
	26.03.2019	Assignment
	27.03.2019	Steady state solution
	28.03.2019	Markovian queuing model with single server
	29.03.2019	With multi server
	30.03.2019	problems based
	31.03.2019	Sunday
Week 13	01.04.2019	Inventory control model
	02.04.2019	EOQ model with uniform Demand
	03.04.2019	EOQ model when shortages are allowed
	04.04.2019	problems based
	05.04.2019	Problems based
	06.04.2019	Problems based
	07.04.2019	Sunday
Week 14	08.04.2019	Uniform replenishment
	09.04.2019	Problems based
	10.04.2019	Inventory control with price break
	11.04.2019	problems based
	12.04.2019	Problems based
	13.04.2019	Problems based
	14.04.2019	Sunday
Week 15	15.04.2019	Test
	16.04.2019	assignment

	17.04.2019	MahaveerJayanti
	18.04.2019	Game theory
	19.04.2019	Two persons zero sum game
	20.04.2019	problems based
	21.04.2019	Sunday
Week 16	22.04.2019	Game with saddle point
	23.04.2019	Rule of dominance
	24.04.2019	Algebraic problem with mixed strategy
	25.04.2019	Graphical problems
	26.04.2019	Linear programming method
	27.04.2019	problems based
	28.04.2019	Sunday
Week 17	29.04.2019	Revision
	30.04.2019	Revision

**K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Jan-Apr 2019)**

Name of Asst/Associate Professor : Mrs Sonam Arora		
Class & Section: Msc(Maths) 4th sem		
Subject: Algebraic Number Fields		
	Date	Topics to be covered
Week 1	01.01.2019	<i>Algebraic numbers & integers</i>
	02.01.2019	Gaussian integers & its properties
	03.01.2019	Primes & Fundamental theorem in ring of Gaussian integers
	04.01.2019	Primes & Fundamental theorem in ring of Gaussian integers
	05.01.2019	Integers in $\mathbb{Q}(w)$
	06.01.2019	Sunday

	07.01.2019	Fundamental theorem in $\mathbb{Q}(w)$ where $w^3=1$
Week 2	08.01.2019	<i>Algebraic Fields</i>
	09.01.2019	Algebraic Fields
	10.01.2019	Primitive Polynomials
	11.01.2019	The general Quadratic Field $\mathbb{Q}(\sqrt{m})$
	12.01.2019	Doubt Session on unit 1
	13.01.2019	sunday
	14.01.2019	Units of $\mathbb{Q}(\sqrt{2})$
Week 3	15.01.2019	<i>Questions</i>
	16.01.2019	Fields in which Fundamental Theorem is False
	17.01.2019	Real & Complex Euclidean Fields
	18.01.2019	Real & Complex Euclidean Fields
	19.01.2019	Fermat theorem in the ring of Gaussian integers
	20.01.2019	Sunday
	21.01.2019	Primes of $\mathbb{Q}(\sqrt{2})$
Week 4	22.01.2019	Primes of $\mathbb{Q}(\sqrt{2})$
	23.01.2019	Questions
	24.01.2019	Doubt Session on unit 1
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	<i>unit 2: Countability of set of algebraic numbers</i>
Week 5	29.01.2019	Countability of set of algebraic numbers
	30.01.2019	Liouville theorem & generalizations
	31.01.2019	Liouville theorem & generalizations
	01.02.2019	<i>Transcendental numbers</i>
	02.02.2019	Algebraic number Fields
	03.02.2019	Sunday
	04.02.2019	<i>Algebraic number Fields</i>
Week 6	05.02.2019	Liouville theorem of primitive elements
	06.02.2019	<i>Liouville theorem of primitive elements</i>
	07.02.2019	<i>Questions</i>
	08.02.2019	Questions
	09.02.2019	Test of unit 1

	10.02.2019	Sunday
	11.02.2019	Ring of algebraic integers
Week 7	12.02.2019	<i>Ring of algebraic integers</i>
	13.02.2019	Theorem of primitive elements
	14.02.2019	Theorem of primitive elements
	15.02.2019	Doubt session of unit 2
	16.02.2019	Doubt session of unit 2
	17.02.2019	Sunday
	18.02.2019	<i>unit 3: Norm & Trace of an algebraic number</i>
Week 8	19.02.2019	Guru RavidasJayanti
	20.02.2019	Non - degeneracy of bilinear mapping
	21.02.2019	Existence of an integral basis
	22.02.2019	Discriminant of an algebraic number field
	23.02.2019	Questions
	24.02.2019	Sunday
	25.02.2019	Questions
Week 9	26.02.2019	Test of unit 2
	27.02.2019	<i>Ideals in ring of algebraic integers</i>
	28.02.2019	Maharishi DayanandSaraswatiJayanti
	01.03.2019	Explicit Construction of integral basis
	02.03.2019	Sign of the discriminant
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Questions
	06.03.2019	Cyclotomic Fields
	07.03.2019	<i>Cyclotomic Fields</i>
	08.03.2019	Doubt Session on unit 3
	09.03.2019	Doubt Session on unit 3
	10.03.2019	Sunday
	11.03.2019	Calculation for Quadratic & cubic cases
Week 11	12.03.2019	Questions on unit 3
	13.03.2019	<i>Questions on unit 3</i>
	14.03.2019	unit 4 : Integral Closure
	15.03.2019	Noetherian Ring
	16.03.2019	Characterizing dedekind domains

	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Fractional ideals & unique factorization
	26.03.2019	Fractional ideals & unique factorization
	27.03.2019	Gcd & Lcm of ideals
	28.03.2019	Gcd & Lcm of ideals
	29.03.2019	Test of unit 3
	30.03.2019	Chinese Remainder theorem
	31.03.2019	Sunday
Week 13	01.04.2019	Dedekind Theorem
	02.04.2019	Questions
	03.04.2019	Questions
	04.04.2019	Ramified & Unramified Extensions
	05.04.2019	Difference of an algebraic number field
	06.04.2019	Factorization in ring of Algebraic integers
	07.04.2019	Sunday
Week 14	08.04.2019	Factorization in ring of Algebraic integers
	09.04.2019	Questions
	10.04.2019	Questions
	11.04.2019	Doubt Session on unit 4
	12.04.2019	Revesion
	13.04.2019	Revesion
	14.04.2019	Sunday
Week 15	15.04.2019	Revesion
	16.04.2019	Revesion
	17.04.2019	MahaveerJayanti
	18.04.2019	Revesion
	19.04.2019	Revesion
	20.04.2019	Revesion
	21.04.2019	Sunday
Week 16	22.04.2019	Revesion
	23.04.2019	Revesion
	24.04.2019	Revesion
	25.04.2019	Revesion
	26.04.2019	Test of unit 4

	27.04.2019	Revesion
	28.04.2019	Sunday
Week 17	29.04.2019	Revesion
	30.04.2019	Revesion

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Name of Asst/Associate Professor : Vandana Arora		
Class & Section: m.sc(F)mathematics		
Subject: classical mechanics		
	Date	Topics to be covered
Week 1	01.01.2019	<i>Introduction of moments of inertia</i>
	02.01.2019	Product of inertia
	03.01.2019	Angular momentum of a rigid bodies
	04.01.2019	Principle axis
	05.01.2019	Principle moment of inertia
	06.01.2019	Sunday
	07.01.2019	kinetic energy of a rigid bodies
Week 2	08.01.2019	<i>Momental ellipsoid</i>
	09.01.2019	equimomental system
	10.01.2019	Coplanar Mass distribution
	11.01.2019	General motion of a rigid bodies
	12.01.2019	Revision
	13.01.2019	sunday
	14.01.2019	Revision
Week 3	15.01.2019	<i>Revision</i>
	16.01.2019	revision
	17.01.2019	revision
	18.01.2019	revision
	19.01.2019	Revision
	20.01.2019	Sunday
	21.01.2019	revision
Week 4	22.01.2019	Test
	23.01.2019	assignment
	24.01.2019	Problems based

	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	<i>Problems based</i>
Week 5	29.01.2019	Free and constraints system
	30.01.2019	Constraints and their classification
	31.01.2019	Holonomic system
	01.02.2019	<i>non holonomic system</i>
	02.02.2019	Degree of freedom and generalized coordinates
	03.02.2019	Sunday
	04.02.2019	<i>Virtual displacement</i>
Week 6	05.02.2019	Virtual work
	06.02.2019	<i>Statement of principle of virtual work</i>
	07.02.2019	<i>Possible velocity</i>
	08.02.2019	possible acceleration
	09.02.2019	Ideal constraints
	10.02.2019	Sunday
	11.02.2019	Lagrange equation of first kind of principle
Week 7	12.02.2019	<i>Independent coordinates</i>
	13.02.2019	Generalized forces
	14.02.2019	Lagrange equation of second kind
	15.02.2019	Generalized velocity and acceleration
	16.02.2019	Uniqueness solution
	17.02.2019	Sunday
	18.02.2019	<i>Revision</i>
Week 8	19.02.2019	Guru RavidasJayanti
	20.02.2019	Variation of total energy
	21.02.2019	Lagrange equation
	22.02.2019	Lagrange function
	23.02.2019	Lagrange equation for potential forces
	24.02.2019	Sunday
	25.02.2019	Revision
Week 9	26.02.2019	Revision
	27.02.2019	<i>Test</i>
	28.02.2019	Maharishi DayanandSaraswatiJayanti

	01.03.2019	assignment
	02.03.2019	Generalized momenta
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Hamilton's variable and Hamilton's function
	06.03.2019	Donkin theorem
	07.03.2019	<i>Ignorable coordinates</i>
	08.03.2019	Hamilton canonical equation
	09.03.2019	Routh variables and routh function
	10.03.2019	Sunday
	11.03.2019	Routh equation
Week 11	12.03.2019	Poisson breakets and their simple properties
	13.03.2019	<i>Poisson identity</i>
	14.03.2019	Jacobi's poisson theorem
	15.03.2019	Hamilton action
	16.03.2019	Hamilton principle
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Poincare integral invariant
	26.03.2019	Whitaker equation
	27.03.2019	Jacobi's equation
	28.03.2019	Lagrange action and principle least of a tion
	29.03.2019	Revision
	30.03.2019	revision
	31.03.2019	Sunday
Week 13	01.04.2019	Test
	02.04.2019	Assignment
	03.04.2019	Canonical transformation
	04.04.2019	Necessary and sufficient condition of canonical transformation
	05.04.2019	Univalent canonical transportation
	06.04.2019	Free canonical transformation
	07.04.2019	Sunday
	Week 14	08.04.2019
09.04.2019		HJ equation

	10.04.2019	Lagrange bracket
	11.04.2019	Canonical character of transformation
	12.04.2019	Jacobian matrix of a canonical transformation
	13.04.2019	In terms of poisson brackets
	14.04.2019	Sunday
Week 15	15.04.2019	Revision
	16.04.2019	Revision
	17.04.2019	MahaveerJayanti
	18.04.2019	Test
	19.04.2019	Assignment
	20.04.2019	Problems based
	21.04.2019	Sunday
Week 16	22.04.2019	Invariance of poisson brackets
	23.04.2019	Poisson brackets under canonical transformation
	24.04.2019	Revision
	25.04.2019	Revision
	26.04.2019	Revision
	27.04.2019	Revision
	28.04.2019	Sunday
Week 17	29.04.2019	Revision
	30.04.2019	Revision

**K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Jan-Apr 2019)**

Name of Asst/Associate Professor : Ms.Shilpa		
Class & Section: MSc.Mathematics 4thsem		
Subject: Graph Theory		
	Date	Topics to be covered
Week 1	01.01.2019	Definition and types of graphs
	02.01.2019	Definition and types of graphs
	03.01.2019	Walk, Paths and Circuits
	04.01.2019	Walk, Paths and Circuits
	05.01.2019	Numericals

	06.01.2019	Sunday
	07.01.2019	Connected and Disconnected graphs
Week 2	08.01.2019	Connected and Disconnected graphs
	09.01.2019	Numericals
	10.01.2019	Numericals
	11.01.2019	Applications of graphs
	12.01.2019	Applications of graphs
	13.01.2019	sunday
	14.01.2019	Operations on graphs
Week 3	15.01.2019	Operations on graphs
	16.01.2019	Numericals
	17.01.2019	Numericals
	18.01.2019	Revision
	19.01.2019	Graph Representation
	20.01.2019	Sunday
	21.01.2019	Graph Representation
Week 4	22.01.2019	Isomorphism of graphs
	23.01.2019	Isomorphism of graphs
	24.01.2019	Assignment
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	Test
Week 5	29.01.2019	Eulerian Paths
	30.01.2019	Eulerian Paths
	31.01.2019	Numericals
	01.02.2019	Numericals
	02.02.2019	Hamiltonian Paths
	03.02.2019	Sunday
	04.02.2019	Hamiltonian Paths
Week 6	05.02.2019	Numericals
	06.02.2019	Numericals
	07.02.2019	Shortest Path in a weighted graph
	08.02.2019	Shortest Path in a weighted graph
	09.02.2019	Numericals

	10.02.2019	Sunday
	11.02.2019	Numericals
Week 7	12.02.2019	The Travelling sales person problem
	13.02.2019	Planar graphs
	14.02.2019	Planar graphs
	15.02.2019	Numericals
	16.02.2019	Revision
	17.02.2019	Sunday
	18.02.2019	Detection of planarity
Week 8	19.02.2019	Guru Ravidas Jayanti
	20.02.2019	Detection of planarity
	21.02.2019	Numericals
	22.02.2019	Kuratowski Theorem
	23.02.2019	Kuratowski Theorem
	24.02.2019	Sunday
	25.02.2019	Graph Colouring
Week 9	26.02.2019	Graph Colouring
	27.02.2019	Revision
	28.02.2019	Maharishi Dayanand Saraswati Jayanti
	01.03.2019	Test
	02.03.2019	Directed graphs
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Directed graphs
	06.03.2019	Numericals
	07.03.2019	Tree Terminology
	08.03.2019	Tree Terminology
	09.03.2019	Revision
	10.03.2019	Sunday
	11.03.2019	Rooted labeled graph
Week 11	12.03.2019	Rooted labeled graph
	13.03.2019	Numericals
	14.03.2019	Prefix codes
	15.03.2019	Binary search tree
	16.03.2019	Assignment

	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Binary search tree
	26.03.2019	Tree traversal
	27.03.2019	Numericals
	28.03.2019	Revision
	29.03.2019	Revision
	30.03.2019	Test
	31.03.2019	Sunday
Week 13	01.04.2019	Spanning tree
	02.04.2019	Spanning tree
	03.04.2019	Cut set
	04.04.2019	Minimum spanning tree
	05.04.2019	Minimum spanning tree
	06.04.2019	Minimum spanning tree
	07.04.2019	Sunday
Week 14	08.04.2019	Kruskal Algorithm
	09.04.2019	Kruskal Algorithm
	10.04.2019	Numerical
	11.04.2019	Numerical
	12.04.2019	Prim Algorithm
	13.04.2019	Prim Algorithm
	14.04.2019	Sunday
Week 15	15.04.2019	Numerical
	16.04.2019	Numerical
	17.04.2019	Mahaveer Jayanti
	18.04.2019	Revision
	19.04.2019	Revision
	20.04.2019	Decision tree
	21.04.2019	Sunday
Week 16	22.04.2019	Decision tree
	23.04.2019	Sorting method
	24.04.2019	Sorting method
	25.04.2019	Numerical
	26.04.2019	Revision

	27.04.2019	Revision
	28.04.2019	Sunday
Week 17	29.04.2019	Revision
	30.04.2019	Revision

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Name of Asst/Associate Professor : Vandana Arora		
Class & Section: M.sc mathematics (F)		
Subject: inner product space and measure theory		
	Date	Topics to be covered
Week 1	01.01.2019	<i>introduction of Hilbert space</i>
	02.01.2019	inner product space
	03.01.2019	Definition of Hilbert space
	04.01.2019	Schwartz inequality
	05.01.2019	Hilbert space as normed space
	06.01.2019	Sunday
	07.01.2019	Convex sets in Hilbert space
Week 2	08.01.2019	<i>Projection theorem</i>
	09.01.2019	orthonormal sets
	10.01.2019	separability in orthonormal sets
	11.01.2019	Revision
	12.01.2019	Revision
	13.01.2019	sunday
	14.01.2019	Total orthonormal set
Week 3	15.01.2019	<i>Bessel's inequality</i>
	16.01.2019	Parseval identity
	17.01.2019	Revision
	18.01.2019	Revision
	19.01.2019	Revision
	20.01.2019	Sunday
	21.01.2019	test
Week 4	22.01.2019	Assignment

	23.01.2019	revision
	24.01.2019	revision
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	
Week 5	29.01.2019	Conjugate of a Hilbert space
	30.01.2019	Riesz representation theorem on Hilbert space
	31.01.2019	Adjoint operator on Hilbert space
	01.02.2019	<i>Reflexivity on Hilbert space</i>
	02.02.2019	Revision
	03.02.2019	Sunday
	04.02.2019	<i>Revision</i>
Week 6	05.02.2019	Revision
	06.02.2019	<i>Revision</i>
	07.02.2019	<i>Self adjoint operator</i>
	08.02.2019	Positive Operator
	09.02.2019	Product of positive Operator
	10.02.2019	Sunday
	11.02.2019	Revision of self adjoint operator
Week 7	12.02.2019	<i>revision of positive Operator</i>
	13.02.2019	revision of product of positive Operator
	14.02.2019	Assignment
	15.02.2019	test
	16.02.2019	Revision
	17.02.2019	Sunday
	18.02.2019	<i>Projection operator</i>
Week 8	19.02.2019	Guru RavidasJayanti
	20.02.2019	Product of projection
	21.02.2019	Sum and product of projection
	22.02.2019	Normal operator
	23.02.2019	Unitary Operator
	24.02.2019	Sunday
	25.02.2019	Revision of projection operator
Week 9	26.02.2019	revision of product of projection

	27.02.2019	<i>revision of sum and product of projection</i>
	28.02.2019	Maharishi DayanandSaraswatiJayanti
	01.03.2019	Revision of normal operator
	02.03.2019	Revision of unitary Operator
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Projection on Hilbert space
	06.03.2019	Spectral theorem
	07.03.2019	<i>Convex function</i>
	08.03.2019	Jensen inequality
	09.03.2019	Revision
	10.03.2019	Sunday
	11.03.2019	revision
Week 11	12.03.2019	revision
	13.03.2019	<i>revision</i>
	14.03.2019	Measure space
	15.03.2019	Fatou's lemma
	16.03.2019	Measure and outer measure
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Extension of a measure
	26.03.2019	carthodary extension theorem
	27.03.2019	Revision
	28.03.2019	revision
	29.03.2019	Revision
	30.03.2019	test
	31.03.2019	Sunday
Week 13	01.04.2019	Assignment
	02.04.2019	Signed measure
	03.04.2019	Hahn decomposition theorem
	04.04.2019	Jordan decomposition theorem
	05.04.2019	Mutually signed measure theorem
	06.04.2019	Redon nikodiyn theorem
	07.04.2019	Sunday

Week 14	08.04.2019	Lebesgue decomposition theorem
	09.04.2019	Revision
	10.04.2019	revision
	11.04.2019	revision
	12.04.2019	Revision
	13.04.2019	revision
	14.04.2019	Sunday
Week 15	15.04.2019	Lebesgue stieltjes integral
	16.04.2019	revision
	17.04.2019	MahaveerJayanti
	18.04.2019	Product measure
	19.04.2019	Fubini theorem
	20.04.2019	revision
	21.04.2019	Sunday
Week 16	22.04.2019	Baire sets
	23.04.2019	Baire measure
	24.04.2019	Continuous function
	25.04.2019	continuous function with compact operator
	26.04.2019	Revision
	27.04.2019	revision
	28.04.2019	Sunday
Week 17	29.04.2019	Test
	30.04.2019	Assignment

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Name of Asst/Associate Professor : Uma Sharma		
Class & Section: MSc final 4th sem		
Subject: viscous fluid dynamics		
	Date	Topics to be covered
Week 1	01.01.2019	Introduction
	02.01.2019	Vorticity in two dimensions
	03.01.2019	Circular vortices

	04.01.2019	Rectilinear vortices
	05.01.2019	Exercise
	06.01.2019	Sunday
	07.01.2019	Vortex doublet
Week 2	08.01.2019	Images
	09.01.2019	Motion due to vortices
	10.01.2019	Same topic continue
	11.01.2019	Exercise
	12.01.2019	Single infinite row of vortices
	13.01.2019	sunday
	14.01.2019	Double infinite row of vortices
Week 3	15.01.2019	Karman vortex street
	16.01.2019	Exercise
	17.01.2019	Wave motion in gas
	18.01.2019	Speed of sound in gas
	19.01.2019	Examples
	20.01.2019	Sunday
	21.01.2019	Eqn of motion of gas
Week 4	22.01.2019	Subsonic, and super sonic flow
	23.01.2019	Isentropic gas flow
	24.01.2019	Flow through a nozzle
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	Examples
Week 5	29.01.2019	Stress component in real fluid
	30.01.2019	Relation between Cartesian component of stress
	31.01.2019	Exercise
	01.02.2019	Translation motion of fluid element
	02.02.2019	Exercise
	03.02.2019	Sunday
	04.02.2019	Rates of strain
Week 6	05.02.2019	Continuation of topic
	06.02.2019	Exercise
	07.02.2019	Relation between stresses and rates of strain

	08.02.2019	Same topic continue
	09.02.2019	Test
	10.02.2019	Sunday
	11.02.2019	The coefficient of viscosity
Week 7	12.02.2019	Laminar flow
	13.02.2019	Same topic continue
	14.02.2019	Exercise
	15.02.2019	Newtonian flow
	16.02.2019	Non Newtonian flow
	17.02.2019	Sunday
	18.02.2019	Exercise
Week 8	19.02.2019	Guru Ravidas Jayanti
	20.02.2019	Navier stroke eqn of motion
	21.02.2019	Eqn of motion in cylindrical coordinate
	22.02.2019	Eqn of motion in spherical polar coordinate
	23.02.2019	Exercise
	24.02.2019	Sunday
	25.02.2019	Eqn of energy
Week 9	26.02.2019	Continuation of same topic
	27.02.2019	Exercise
	28.02.2019	Maharishi Dayanand Saraswati Jayanti
	01.03.2019	Diffusion of vorticity
	02.03.2019	Diffusion of vorticity
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week 10	05.03.2019	Test
	06.03.2019	Energy dissipation due to viscosity
	07.03.2019	Continuation of same topic
	08.03.2019	Eqn of state
	09.03.2019	Exercise
	10.03.2019	Sunday
	11.03.2019	Plane poiseuille and couette flows between two parallel plates
Week 11	12.03.2019	Continuation of same topic
	13.03.2019	Theory of lubrication

	14.03.2019	Hagen poiseuille flow
	15.03.2019	Steady flow between co axial circular cylinders
	16.03.2019	Steady flow between concentric rotating cylinders
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Examples
	26.03.2019	Flow through tubes of uniform elliptic
	27.03.2019	Equilateral triangular cross section
	28.03.2019	Continuation of same topic
	29.03.2019	exercise
	30.03.2019	Unsteady flow over a flat plate
	31.03.2019	Sunday
Week 13	01.04.2019	Exercise
	02.04.2019	Steady flow past a fixed sphere
	03.04.2019	Continuation of topic
	04.04.2019	Exercise
	05.04.2019	Flow in convergent and divergent channel
	06.04.2019	Test
	07.04.2019	Sunday
Week 14	08.04.2019	Dynamical similarity
	09.04.2019	Inspection analysis
	10.04.2019	Examples
	11.04.2019	Non dimensional numbers
	12.04.2019	Dimensional analysis
	13.04.2019	Examples
	14.04.2019	Sunday
Week 15	15.04.2019	Examples
	16.04.2019	Buckingham pi theorem and its application
	17.04.2019	Mahaveer Jayanti
	18.04.2019	Physical importance of non dimensional parameters
	19.04.2019	Numerical related to topic
	20.04.2019	Prandtl boundary layer
	21.04.2019	Sunday
Week 16	22.04.2019	Boundary layer eqn in two dimensions
	23.04.2019	Boundary layer on a flat plate

	24.04.2019	Examples
	25.04.2019	Characteristics boundary layer parameters
	26.04.2019	Karman integral conditions
	27.04.2019	Exercise
	28.04.2019	Sunday
Week	29.04.2019	karman pohlhausen method
17	30.04.2019	Exercise