K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Dr. Meenu Dua
Class & Section: BSc-2nd year(4th sem) non-medical (sec –A)
Subject: physical Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	
	04.01.2019	**Thermodynamics-III:-** Second law of thermodynamics, need for the law, different statements of the law,
	05.01.2019	Carnot's cycles and its efficiency, Carnot's theorm,
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	
	11.01.2019	Thermodynamic scale of temperature. Concept of entropy – entropy as a state function
	12.01.2019	Entropy as a function of V & T, entropy as a function of P & T, entropy change in physica l change,
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	
	18.01.2019	Entropy as a criteria of spontaneity and equilibrium. Entropy change in ideal gases and mixing of gases
	19.01.2019	Assignment of previous topics and numerical problems
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**

	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	
	01.02.2019	**Thermodynamics-IV** Third law of thermodynamics: Nernst heat theorem
	02.02.2019	**Test of themodynamic (iii)**
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	
	08.02.2019	Statement of concept of residual entropy, evaluation of absolute entropy from heat capacity data
	09.02.2019	Gibbs and Helmholtz functions; Gibbs function (G) and Helmholtz function (A) as thermodynamic quantities
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	
	15.02.2019	A & G as criteria for thermodynamic equilibrium and spontaneity, their advantage over entropy change
	16.02.2019	Variation of G and A with P, V and T and **Assignment**
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	**Electrochemistry-III** Electrolytic and Galvanic cells – reversible & Irreversible Cell
	23.02.2019	Conventional representation of electrochemical cells. EMF of cell and its measurement
	24.02.2019	**Sunday**
	25.02.2019	

Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Weston standard cell, activity and activity coefficients
	02.03.2019	Calculation of thermodynamic quantities of cell reaction (G,H & K). Types of reversible electrodes – metal-metal Ion, gas electrode
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	
	07.03.2019	
	08.03.2019	Metal –insoluble salt- anion and redox electrodes. Electrode reactions, Nernst equations,
	09.03.2019	**Test**
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	
	15.03.2019	Derivation of cell EMF and single electrode potential. Standard Hydrogen electrode, Assignment
	16.03.2019	Reference electrodes, standard electrodes potential, sign conventions, electrochemical se ries and its applications.
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	
	29.03.2019	**Electrochemistry-IV** Concentration cells with transference
	30.03.2019	Concentration cells without transference
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	

	03.04.2019	
	04.04.2019	
	05.04.2019	Liquid junction potential,application of EMF, measurement i.e. valency of ions
	06.04.2019	Solubility product activity coefficient
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	
	12.04.2019	Potentiometric titration (acid- base and redox).
	13.04.2019	Determination of pH using Hydrogen electrode
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	Quinhydrone electrode and glass electrode by potentiometric methods
	20.04.2019	Assignment and test
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	
	26.04.2019	**Revision**
	27.04.2019	Revision
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor :Dr.Beena Sethi **Class & Section: B.Sc Non Medical Sec A &B** **Subject: Chemistry Inorganic**		
	Date	**Topics to be covered**
Week 1	**01.01.2019**	*Introduction,occurance*
	02.01.2019	Electronic configuration of lanthanide
	03.01.2019	
	04.01.2019	*Introduction,occurance*
	05.01.2019	Electronic configuration of lanthanide
	06.01.2019	**Sunday**
	07.01.2019	General characterstic
Week 2	**08.01.2019**	*Isolation of* lanthanide
	09.01.2019	
	10.01.2019	
	11.01.2019	General characterstic
	12.01.2019	*Isolation of* lanthanide
	13.01.2019	**sunday**
	14.01.2019	Production of lanthanide metal/compound
Week 3	**15.01.2019**	*Test-I ,assignment -i*
	16.01.2019	
	17.01.2019	
	18.01.2019	Production of lanthanide metal/compound
	19.01.2019	*Test-I ,assignment -i*
	20.01.2019	**Sunday**
	21.01.2019	Introduction, radioactivity
Week 4	**22.01.2019**	Sources,occurance of acitinoides
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**

	28.01.2019	*Electronic configuration*
Week 5	**29.01.2019**	General characterstics of acitinoides
	30.01.2019	
	31.01.2019	
	01.02.2019	Introduction, radioactivity
	02.02.2019	Sources,occurance of acitinoides
	03.02.2019	**Sunday**
	04.02.2019	*Separation of Np,Pu*
Week 6	**05.02.2019**	*Separation of* **Am**
	06.02.2019	
	07.02.2019	
	08.02.2019	Electronic configuration
	09.02.2019	General characterstics of acitinoides
	10.02.2019	**Sunday**
	11.02.2019	**Comparision Of Ln And Ac**
Week 7	**12.02.2019**	*Fuel ,transuranic elements*
	13.02.2019	
	14.02.2019	
	15.02.2019	Introduction, radioactivity
	16.02.2019	Sources,occurance of acitinoides
	17.02.2019	**Sunday**
	18.02.2019	*Super heavy elements*
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	*Separation of Np,Pu,* **Am**
	23.02.2019	**Comparision Of Ln And Ac**
	24.02.2019	**Sunday**
	25.02.2019	**TEST II ,ASSIGNMENT II**
Week 9	**26.02.2019**	Quiz and group discussion/mock test
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Fuel, *transuranic elements*
	02.03.2019	*Super heavy elements*
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**

Week 10	**05.03.2019**	Introduction:qualitative analysis
	06.03.2019	
	07.03.2019	
	08.03.2019	**TEST II ,ASSIGNMENT II**
	09.03.2019	Quiz and group discussion/mock test
	10.03.2019	**Sunday**
	11.03.2019	Types of qualitative analysis
Week 11	**12.03.2019**	Quiz and group discussion/mock test
	13.03.2019	
	14.03.2019	
	15.03.2019	Wet confimatory test of acid radicals
	16.03.2019	Wet confimatory test of acid radicals
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Combination test
	26.03.2019	Wet list for basic radicals
	27.03.2019	
	28.03.2019	
	29.03.2019	Introduction of qualitative analysis
	30.03.2019	Types of analysis
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**Analysis of group I,II,III**
	02.04.2019	**Analysis of group IV,V,VI**
	03.04.2019	
	04.04.2019	
	05.04.2019	**DRY PRELIMINARY TEST**
	06.04.2019	WET CONFIRMATORY TEST
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Test for zero group,vii group
	09.04.2019	**Qualitative analysis**
	10.04.2019	precipitation
	11.04.2019	
	12.04.2019	**Analysis of group I,II,III**
	13.04.2019	**Analysis of group IV,V,VI**
	14.04.2019	**Sunday**
Week	**15.04.2019**	**Qualitative analysis**

15	**16.04.2019**	precipitation
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	**Qualitative analysis**
	20.04.2019	precipitation
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Group discussion
	23.04.2019	**Revision**
	24.04.2019	
	25.04.2019	
	26.04.2019	Group discussion
	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 : Dr.Beena Sethi
Class & Section: B.Sc Non Medical Sec A &B
Subject: Inorganic Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	*Sec-A Introduction:omc*
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	*Sec-A preparation omc*
Week 2	08.01.2019	*Sec-A properties of omc*
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	*Sec-A* **bonding of omc**
Week 3	15.01.2019	*Sec-A omc of li*
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**

	21.01.2019	*Sec-A omc of Al*
Week 4	**22.01.2019**	*Sec-A omc of Mg*
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	*Sec-A omc of Sn*
Week 5	**29.01.2019**	*Sec-A* **metal ethylinic complexes**
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	*Sec-A mono nuclear carbonyls*
Week 6	**05.02.2019**	*Sec-A* **nature of bonding in carbonyls**
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	

	17.02.2019	**Sunday**
	18.02.2019	*Sec-A Test –I,Assignment-I*
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	**Definition of Acids/Bases**
Week 9	**26.02.2019**	Solvent System,Lux flood system
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Solvent System,Lewis concept
	06.03.2019	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Hard and soft Acid Base
Week 11	**12.03.2019**	Relative strength of Acid/Bases+Assignment II
	13.03.2019	
	14.03.2019	
	15.03.2019	

	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Test-II
	26.03.2019	Essentials and trace elements
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**metalloporphysius**
	02.04.2019	Haemoglobin and myoglobin
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Biological role of alkali metals
	09.04.2019	Biological role of alkaline earth metals
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	Nitrogen fixation/silicone
	16.04.2019	TEST III,ASSIGNMENT
	17.04.2019	**Mahaveer Jayanti**

	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	phosphazene
	23.04.2019	Inorganic polymers,bonding
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	**Revision & chapter I & II**
	30.04.2019	**Revision & chapter I & II**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Dr. Meenu Dua
Class & Section: BSc -2nd year (4th sem)Non –medical Sec-B
Subject: Physical Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	**Thermodynamics-III:-** Second law of thermodynamics, need for the law, different statements of the law
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	Carnot's cycles and its efficiency, Carnot's theorm
Week 2	08.01.2019	Thermodynamic scale of temperature. Concept of entropy – entropy as a state function
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	Entropy as a function of V & T, entropy as a function of P & T, entropy change in physica l change
Week 3	15.01.2019	Entropy as a criteria of spontaneity and equilibrium
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	Entropy change in ideal gases and mixing of gases.
Week 4	22.01.2019	Assignment of previous topics and numerical problems
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**

	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	**Thermodynamics-IV** Third law of thermodynamics: Nernst heat theorem
Week 5	**29.01.2019**	Statement of concept of residual entropy,evaluation of absolute entropy from heat capacity data
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	Gibbs and Helmholtz functions; Gibbs function (G) and Helmholtz function (A) as thermodynamic quantities,
Week 6	**05.02.2019**	**Test of themodynamic (iii)**
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	A & G as criteria for thermodynamic equilibrium and spontaneity, their advantage over entropy change
Week 7	**12.02.2019**	Variation of G and A with P, V and T. and assignment
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	Test and numerical problem
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	**Electrochemistry-III** Electrolytic and Galvanic cells-reversible & Irreversible cell
Week 9	**26.02.2019**	Conventional representation of electrochemical cells.

		EMF of cell and its measurement,
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Weston standard cell, activity and activity coefficients
	06.03.2019	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Calculation of thermodynamic quantities of cell reaction (G,H & K). Types of reversible electrodes – metal-metal Ion,gas electrode,
Week 11	**12.03.2019**	metal –insoluble salt- anion and redox electrodes. Electrode reactions, Nernst equations,
	13.03.2019	
	14.03.2019	
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	*Test*
	26.03.2019	Derivation of cell EMF and single electrode potential. Standard Hydrogen electrode,
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	Reference electrodes, standard electrodes potential, sign conventions, electrochemical se ries and its applications.
	02.04.2019	Assignment and numerical problems
	03.04.2019	

	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	**Electrochemistry-IV** Concentration cells with transference
	09.04.2019	Concentration cells without transference
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	liquid junction potential, application of EMF measurement i.e. valency of ions
	16.04.2019	Solubility product activity coefficient, potentiometric titration (acid- base and redox).
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Determination of pH using Hydrogen electrode,
	23.04.2019	Quinhydrone electrode and glass electrode by potentiometric methods.
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	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 :Dr. Meenu Dua
Class & Section: B.Sc Non MEDICAL 3 YR SEC A
Subject: PHYSICAL CHEMISTRY

	Date	Topics to be covered
Week 1	01.01.2019, TUE	
	02.01.2019 WED	
	03.01.2019 THU	
	04.01.2019 FRI	Electronic Spectrum : Concept of potential energy curves for antibonding or bonding moleculer orbital, qualitative description of selection rule, Frank condon principle, sigma or pi moleculer orbital
	05.01.2019 SAT	Photochemistry: Interaction of radiation with matter ,difference between thermal and photochemical process , laws of photochemistry
	06.01.2019	**Sunday**
	07.01.2019 MON	
Week 2	08.01.2019 TUE	
	09.01.2019 WED	
	10.01.2019 THU	
	11.01.2019 FRI	Drapper laws ,stark Einstein law and jablonski diagram
	12.01.2019 SAT	Qualitative description of fluorescence ,phosphorescence ,non radiative process, Quantum yield
	13.01.2019	**Sunday**
	14.01.2019 MON	
Week 3	15.01.2019 TUE	
	16.01.2019	

	WED	
	17.01.2019 THU	
	18.01.2019 FRI	Photosensitized reactions- transfer process ,
	19.01.2019 SAT	**Dilute Solution and Colligative Properties:** Ideal and non ideal solution, dilute solution Methods of concentration of solution ,activity and its coefficient
	20.01.2019	**Sunday**
	21.01.2019 MON	
Week 4	**22.01.2019 TUE**	
	23.01.2019 WED	
	24.01.2019 THURS	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019 MON	
Week 5	**29.01.2019 TUE**	
	30.01.2019 WED	
	31.01.2019 THURS	
	01.02.2019 FRI	Colligative properties ,Raoults law
	02.02.2019 SAT	Relative lowering of vapour pressure, Molecular weight determination
	03.02.2019	**Sunday**
	04.02.2019 MON	
Week 6	**05.02.2019 TUE**	
	06.02.2019	

	WED	
	07.02.2019 THU	
	08.02.2019 FRI	TEST:Photochemistry and assignment
	09.02.2019 SAT	Osmosis law of osmotic pressure and its measurement ,determination of molecular weight from osmotic pressure
	10.02.2019	**Sunday**
	11.02.2019 MON	
Week 7	**12.02.2019 TUE**	
	13.02.2019 WED	
	14.02.2019 THU	
	15.02.2019	Elevation in boiling point and depression in freezing point
	16.02.2019	Thermodyanmic derivation of relation between molecular weight and elevation in boiling point
	17.02.2019	**Sunday**
	18.02.2019 M	
Week 8	**19.02.2019 TUE**	**Guru Ravidas Jayanti**
	20.02.2019 WED	
	21.02.2019 THU	
	22.02.2019	Depression in freezing point , Experimental methods for determining various colligative properties
	23.02.2019	Abnormal molar mass , degree of dissociation ,
	24.02.2019	**Sunday**
	25.02.2019 MON	
Week 9	**26.02.2019 TUE**	
	27.02.2018 WED	

	28.02.2019 THU	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Degree of association of solutes
	02.03.2019	TEST: Colligative properties and assignment
	03.03.2019	**Sunday**
	04.03.2019 MON	**Shivratri**
Week 10	**05.03.2019 TUE**	
	06.03.2019 WED	
	07.03.2019 THU	
	08.03.2019 FRI	**Phase Equillibrium** : statement and meaning of the trem phase component
	09.03.2019	Degree of freedom , thermodynamic derivation , Gibbs phase rule
	10.03.2019	**Sunday**
	11.03.2019 MON	
Week 11	**12.03.2019 TUE**	
	13.03.2019 WED	
	14.03.2019 THU	
	15.03.2019	Phase equilibria of one component system, Water and sulphur system
	16.03.2019	Phase equilibria of two component system solid-liquid equilibria
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019 MON**	
	26.03.2019 TUE	
	27.03.2019 WED	

	28.03.2019 THU	
	29.03.2019	Desilverisation of lead
	30.03.2019	TEST: Phase equilibrium and assignment
	31.03.2019	**Sunday**
Week 13	**01.04.2019 MON**	
	02.04.2019 TUE	
	03.04.2019 WED	
	04.04.2019 THU	
	05.04.2019	REVISION
	06.04.2019	REVISION
	07.04.2019	**Sunday**
Week 14	**08.04.2019 MON**	
	09.04.2019 TUE	
	10.04.2019 WED	
	11.04.2019 THU	
	12.04.2019	REVISION
	13.04.2019	REVISION
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019 THU	
	19.04.2019	**REVISION**
	20.04.2019	**REVISION**
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	

	24.04.2019 WED	
	25.04.2019 THU	
	26.04.2019	REVISION
	27.04.2019	REVISION
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor :Dr.Beena Sethi
Class & Section: B.Sc Non Medical Sec A &B
Subject: Chemistry Inorganic

	Date	Topics to be covered
Week 1	01.01.2019	*Introduction,occurance*
	02.01.2019	Electronic configuration of lanthanide
	03.01.2019	
	04.01.2019	*Introduction,occurance*
	05.01.2019	Electronic configuration of lanthanide
	06.01.2019	**Sunday**
	07.01.2019	General characterstic
Week 2	08.01.2019	*Isolation of* lanthanide
	09.01.2019	
	10.01.2019	
	11.01.2019	General characterstic
	12.01.2019	*Isolation of* lanthanide
	13.01.2019	**sunday**
	14.01.2019	Production of lanthanide metal/compound
Week 3	15.01.2019	*Test-I ,assignment -i*
	16.01.2019	
	17.01.2019	
	18.01.2019	Production of lanthanide metal/compound
	19.01.2019	*Test-I ,assignment -i*
	20.01.2019	**Sunday**
	21.01.2019	Introduction, radioactivity
Week 4	22.01.2019	Sources,occurance of acitinoides
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**

	27.01.2019	**Sunday**
	28.01.2019	*Electronic configuration*
Week 5	**29.01.2019**	General characterstics of acitinoides
	30.01.2019	
	31.01.2019	
	01.02.2019	Introduction, radioactivity
	02.02.2019	Sources,occurance of acitinoides
	03.02.2019	**Sunday**
	04.02.2019	*Separation of Np,Pu*
Week 6	**05.02.2019**	*Separation of* **Am**
	06.02.2019	
	07.02.2019	
	08.02.2019	Electronic configuration
	09.02.2019	General characterstics of acitinoides
	10.02.2019	**Sunday**
	11.02.2019	**Comparision Of Ln And Ac**
Week 7	**12.02.2019**	*Fuel ,transuranic elements*
	13.02.2019	
	14.02.2019	
	15.02.2019	Introduction, radioactivity
	16.02.2019	Sources,occurance of acitinoides
	17.02.2019	**Sunday**
	18.02.2019	*Super heavy elements*
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	*Separation of Np,Pu,* **Am**
	23.02.2019	**Comparision Of Ln And Ac**
	24.02.2019	**Sunday**
	25.02.2019	**TEST II ,ASSIGNMENT II**
Week 9	**26.02.2019**	Quiz and group discussion/mock test
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Fuel, *transuranic elements*
	02.03.2019	*Super heavy elements*
	03.03.2019	**Sunday**

	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Introduction:qualitative analysis
	06.03.2019	
	07.03.2019	
	08.03.2019	**TEST II ,ASSIGNMENT II**
	09.03.2019	Quiz and group discussion/mock test
	10.03.2019	**Sunday**
	11.03.2019	Types of qualitative analysis
Week 11	**12.03.2019**	Quiz and group discussion/mock test
	13.03.2019	
	14.03.2019	
	15.03.2019	Wet confimatory test of acid radicals
	16.03.2019	Wet confimatory test of acid radicals
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Combination test
	26.03.2019	Wet list for basic radicals
	27.03.2019	
	28.03.2019	
	29.03.2019	Introduction of qualitative analysis
	30.03.2019	Types of analysis
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**Analysis of group I,II,III**
	02.04.2019	**Analysis of group IV,V,VI**
	03.04.2019	
	04.04.2019	
	05.04.2019	**DRY PRELIMINARY TEST**
	06.04.2019	WET CONFIRMATORY TEST
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Test for zero group,vii group
	09.04.2019	**Qualitative analysis**
	10.04.2019	precipitation
	11.04.2019	
	12.04.2019	**Analysis of group I,II,III**
	13.04.2019	**Analysis of group IV,V,VI**
	14.04.2019	**Sunday**

Week 15	**15.04.2019**	**Qualitative analysis**
	16.04.2019	precipitation
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	**Qualitative analysis**
	20.04.2019	precipitation
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Group discussion
	23.04.2019	**Revision**
	24.04.2019	
	25.04.2019	
	26.04.2019	Group discussion
	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 : Dr.Beena Sethi
Class & Section: B.Sc Non Medical Sec A &B
Subject: Inorganic Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	*Sec-A Introduction:omc*
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	*Sec-A preparation omc*
Week 2	08.01.2019	*Sec-A properties of omc*
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	*Sec-A* **bonding of omc**
Week 3	15.01.2019	*Sec-A omc of li*
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	

	20.01.2019	**Sunday**
	21.01.2019	*Sec-A omc of Al*
Week 4	**22.01.2019**	*Sec-A omc of Mg*
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	*Sec-A omc of Sn*
Week 5	**29.01.2019**	*Sec-A* **metal ethylinic complexes**
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	*Sec-A mono nuclear carbonyls*
Week 6	**05.02.2019**	*Sec-A* **nature of bonding in carbonyls**
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	

	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	*Sec-A Test –I,Assignment-I*
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	**Definition of Acids/Bases**
Week 9	**26.02.2019**	Solvent System,Lux flood system
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Solvent System,Lewis concept
	06.03.2019	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Hard and soft Acid Base
Week 11	**12.03.2019**	Relative strength of Acid/Bases+Assignment II
	13.03.2019	

	14.03.2019	
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Test-II
	26.03.2019	Essentials and trace elements
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**metalloporphysius**
	02.04.2019	Haemoglobin and myoglobin
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Biological role of alkali metals
	09.04.2019	Biological role of alkaline earth metals
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week	**15.04.2019**	Nitrogen fixation/silicone

15	**16.04.2019**	TEST III,ASSIGNMENT
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	phosphazene
	23.04.2019	Inorganic polymers,bonding
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	**Revision & chapter I & II**
	30.04.2019	**Revision & chapter I & II**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms. Kajal Gaur
Class & Section: BSc – Non medical 6th sem (sec-A)
Subject: Organic Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	**Heterocyclic Compounds-I** Introduction: Molecular orbital picture
	03.01.2019	Aromatic characteristics of pyrrole, furan, thiophene and pyridine
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Methods of synthesis and chemical reactions with particular emphasis on the mechanism of electrophilic substitution.
	10.01.2019	Mechanism of nucleophilic substitution reactions in pyridine derivatives. Comparison of basicity of pyridine
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Comparison of basicity of piperidine and pyrrole
	17.01.2019	Assignment
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	

	23.01.2019	**Heterocyclic Compounds-II** Introduction to condensed five and six- membered heterocycles
	24.01.2019	Prepration and reactions of indole, quinoline and isoquinoline with special reference to Fisher indole synthesis,
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	Test
	31.01.2019	Skraup synthesis and Bischler-Napieralski synthesis. Mechanism of electrophilic substitution reactions of quinoline and isoquinoline
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	**Organosulphur Compounds** Nomenclature, structural features, Methods of formation and chemical reactions of thiols,
	07.02.2019	structural features, Methods of formation and chemical reactions of thioethers, sulphonic acids, sulphonamides and sulphaguanidine.
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	Synthetic detergents alkyl and aryl sulphonates.and assignment
	14.02.2019	**Organic Synthesis *via* Enolates** Acidity of alpha-hydrogens, alkylation of diethyl malonate and ethyl acetoacetate
	15.02.2019	

	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	Synthesis of ethyl acetoacetate: the Claisen condensation.
	21.02.2019	Keto-enol tautomerism of ethyl acetoacetate.
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	*Test*
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	**Synthetic Polymers** Addition or chain-growth polymerization. Free radical vinyl polymerization, ionic vinyl polymerization, Ziegler-Natta polymerization and vinyl polymers.
	07.03.2019	Condensation or step growth polymerization.Polyesters ,polyamides, phenolformaldehyde resins, urea formaldehyde resins,
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	Epoxy resins and polyurethanes,Natural and synthetic rubbers.
	14.03.2019	**Amino Acids, Peptides& Proteins** Classification, of amino acids. Acid-base behavior, isoelectric point and electrophoresis
	15.03.2019	

	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	Preparation of alpha -amino acids.Structure and nomenclature of peptides and proteins
	28.03.2019	Classification of proteins. Peptide structure determination
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	Assignment
	04.04.2019	end group analysis, selective hydrolysis of peptides. Classical peptide synthesis
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Test
	11.04.2019	solid–phase peptide synthesis. Structuresof peptides and proteins: Primary & Secondary structure
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	**Revision**
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	

	24.04.2019	Test of whole syllabus
	25.04.2019	Revision
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor : Ms. Kajal Gaur
Class & Section: BSc –Non-medical 2nd sem (sec-B)
Subject: Physical chemistry

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	
	04.01.2019	Introduction, Rate of reaction and rate equation, Order of reaction, integrated rate expression for zero order and first order
	05.01.2019	Factors affecting the rate of reaction – concentration, temperature , pressure, solvent, light and catalyst, Second and third order reaction
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	
	11.01.2019	Half life period of reaction, methods of determination of order of reaction
	12.01.2019	Effect of temperature on rate of reaction- Arrhenius equation and numerical practice
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	
	18.01.2019	Theories of reaction rate- simple collision theory for unimolecular collision
	19.01.2019	Revision of previous topics. Collision theories for bimolecular collision
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	

	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	
	01.02.2019	Transition state theory of bimolecular reaction
	02.02.2019	Test (Topics of unit 1)
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	
	08.02.2019	Chapter 2: **Electrochemistry** Introduction, electrolytic conduction and factor affecting electrolytic conduction
	09.02.2019	Specific conductance , molar conductance, and equivalent conductance and relationship among them
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	
	15.02.2019	Variation of equivalent, molar and specific conductance with concentration
	16.02.2019	Arrhenius theory of ionization , Ostwald's law of dilution
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	Assignment : questions of important topics of unit 1
	23.02.2019	**Class test**
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	

	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Debye Huckel Onsager's equation for strong electrolyte
	02.03.2019	Kohlarausch'law , calculation of molar ionic conductance
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	
	07.03.2019	
	08.03.2019	Effect of viscosity , temperature and pressure on molar ionic conductance
	09.03.2019	Transport number, definition and determination by Hittorfs method
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	
	15.03.2019	Application of kohlarauch's law in calculation of conductance of weak electrolyte at infinite dilution
	16.03.2019	Numerical practice
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	
	29.03.2019	Application of conductivity measurements- determination of degree of dissociation and determination of Ka of acids
	30.03.2019	Determination of solubility product of sparingly soluble salt by conductivity ,measurement and conductometric titration.
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	

	05.04.2019	Assignment of important topics of unit 2
	06.04.2019	Definition of Ph, pKa, buffer solution
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	
	12.04.2019	Buffer action , Henderson- Hazel equation
	13.04.2019	REVISION
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	Buffer mechanism of buffer solution
	20.04.2019	TEST (WHOLE SYLLABUS)
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	
	26.04.2019	**Numerical practice**
	27.04.2019	**Revision**
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor: Ms. Kajal Gaur
Class & Section: BSc –Non-medical 2nd sem (sec-A)
Subject: physical chemistry

	Date	Topics to be covered
Week 1	01.01.2019	Introduction, Rate of reaction and rate equation, Order of reaction, integrated rate expression for zero order and first order
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	Sunday
	07.01.2019	Factors affecting the rate of reaction – concentration, temperature , pressure, solvent, light and catalyst, Second and third order reaction
Week 2	08.01.2019	Numerical practice and revision
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	sunday
	14.01.2019	Half life period of reaction, methods of determination of order of reaction
Week 3	15.01.2019	Effect of temperature on rate of reaction- Arrhenius equation and numerical practice
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	Sunday
	21.01.2019	Theories of reaction rate- simple collision theory for unimolecular collision
Week 4	22.01.2019	Revision of previous topics. Collision theories for bimolecular collision
	23.01.2019	

	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	Transition state theory of bimolecular reaction
Week 5	**29.01.2019**	Test (Topics of unit 1)
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	Chapter 2: **Electrochemistry** Introduction, electrolytic conduction and factor affecting electrolytic conduction
Week 6	**05.02.2019**	Specific conductance , molar conductance, and equivalent conductance and relationship among them
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	Variation of equivalent, molar and specific conductance with concentration
Week 7	**12.02.2019**	Arrhenius theory of ionization , Ostwald's law of dilution
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	Assignment : questions of important topics of unit 1
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	Class test

Week 9	26.02.2019	Debye Huckel Onsager's equation for strong electrolyte
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	05.03.2019	Kohlarausch'law , calculation of molar ionic conductance
	06.03.2019	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Effect of viscosity , temperature and pressure on molar ionic conductance
Week 11	12.03.2019	Transport number, definition and determination by Hittorfs method
	13.03.2019	
	14.03.2019	
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	25.03.2019	Application of kohlarauch's law in calculation of conductance of weak electrolyte at infinite dilution
	26.03.2019	Numerical practice
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	01.04.2019	Application of conductivity measurements- determination of degree of dissociation and determination of Ka of acids

	02.04.2019	Determination of solubility product of sparingly soluble salt by conductivity ,measurement and conductometric titration.
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Assignment of important topics of unit 2
	09.04.2019	Definition of Ph, pKa, buffer solution
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	Buffer action , Henderson- Hazel equation
	16.04.2019	REVISION
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Buffer mechanism of buffer solution
	23.04.2019	TEST (WHOLE SYLLABUS)
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	**Numerical practice**
	30.04.2019	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms. Kajal Verma
Class & Section: BSc –medical 2nd sem (sec-A)
Subject: Physical chemistry

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	
	04.01.2019	Introduction, Rate of reaction and rate equation, Order of reaction, integrated rate expression for zero order and first order
	05.01.2019	Factors affecting the rate of reaction – concentration, temperature , pressure, solvent, light and catalyst, Second and third order reaction
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	
	11.01.2019	Half life period of reaction, methods of determination of order of reaction
	12.01.2019	Effect of temperature on rate of reaction- Arrhenius equation and numerical practice
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	
	18.01.2019	Theories of reaction rate- simple collision theory for unimolecular collision
	19.01.2019	Revision of previous topics. Collision theories for bimolecular collision
	20.01.2019	**Sunday**
	21.01.2019	

Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	29.01.2019	
	30.01.2019	
	31.01.2019	
	01.02.2019	Transition state theory of bimolecular reaction
	02.02.2019	Test (Topics of unit 1)
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	05.02.2019	
	06.02.2019	
	07.02.2019	
	08.02.2019	Chapter 2: **Electrochemistry** Introduction, electrolytic conduction and factor affecting electrolytic conduction
	09.02.2019	Specific conductance , molar conductance, and equivalent conductance and relationship among them
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	12.02.2019	
	13.02.2019	
	14.02.2019	
	15.02.2019	Variation of equivalent, molar and specific conductance with concentration
	16.02.2019	Arrhenius theory of ionization , Ostwald's law of dilution
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	19.02.2019	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	Assignment : questions of important topics of unit 1
	23.02.2019	**Class test**
	24.02.2019	**Sunday**

	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Debye Huckel Onsager's equation for strong electrolyte
	02.03.2019	Kohlarausch'law , calculation of molar ionic conductance
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	
	07.03.2019	
	08.03.2019	Effect of viscosity , temperature and pressure on molar ionic conductance
	09.03.2019	Transport number, definition and determination by Hittorfs method
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	
	15.03.2019	Application of kohlarauch's law in calculation of conductance of weak electrolyte at infinite dilution
	16.03.2019	Numerical practice
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	
	29.03.2019	Application of conductivity measurements- determination of degree of dissociation and determination of Ka of acids
	30.03.2019	Determination of solubility product of sparingly soluble salt by conductivity ,measurement and conductometric titration.
	31.03.2019	**Sunday**
Week	**01.04.2019**	

13	**02.04.2019**	
	03.04.2019	
	04.04.2019	
	05.04.2019	Assignment of important topics of unit 2
	06.04.2019	Definition of Ph, pKa, buffer solution
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	
	12.04.2019	Buffer action , Henderson- Hazel equation
	13.04.2019	REVISION
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	Buffer mechanism of buffer solution
	20.04.2019	TEST (WHOLE SYLLABUS)
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	
	26.04.2019	**Numerical practice**
	27.04.2019	**Revision**
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms. Kajal Verma
Class & Section: BSc –medical 2nd sem (sec-B)
Subject: physical chemistry

	Date	Topics to be covered
Week 1	01.01.2019	Introduction, Rate of reaction and rate equation, Order of reaction, integrated rate expression for zero order and first order
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	Sunday
	07.01.2019	Factors affecting the rate of reaction – concentration, temperature , pressure, solvent, light and catalyst, Second and third order reaction
Week 2	08.01.2019	Numerical practice and revision
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	sunday
	14.01.2019	Half life period of reaction, methods of determination of order of reaction
Week 3	15.01.2019	Effect of temperature on rate of reaction- Arrhenius equation and numerical practice
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	Sunday
	21.01.2019	Theories of reaction rate- simple collision theory for unimolecular collision

Week 4	22.01.2019	Revision of previous topics. Collision theories for bimolecular collision
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	Transition state theory of bimolecular reaction
Week 5	29.01.2019	Test (Topics of unit 1)
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	Chapter 2: **Electrochemistry** Introduction, electrolytic conduction and factor affecting electrolytic conduction
Week 6	05.02.2019	Specific conductance , molar conductance, and equivalent conductance and relationship among them
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	Variation of equivalent, molar and specific conductance with concentration
Week 7	12.02.2019	Arrhenius theory of ionization , Ostwald's law of dilution
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	Assignment : questions of important topics of unit 1
Week 8	19.02.2019	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**

	25.02.2019	Class test
Week 9	**26.02.2019**	Debye Huckel Onsager's equation for strong electrolyte
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Kohlarausch'law , calculation of molar ionic conductance
	06.03.2019	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Effect of viscosity , temperature and pressure on molar ionic conductance
Week 11	**12.03.2019**	Transport number, definition and determination by Hittorfs method
	13.03.2019	
	14.03.2019	
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Application of kohlarauch's law in calculation of conductance of weak electrolyte at infinite dilution
	26.03.2019	Numerical practice
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week	**01.04.2019**	Application of conductivity measurements- determination of

13		degree of dissociation and determination of Ka of acids
	02.04.2019	Determination of solubility product of sparingly soluble salt by conductivity ,measurement and conductometric titration.
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Assignment of important topics of unit 2
	09.04.2019	Definition of Ph, pKa, buffer solution
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	Buffer action , Henderson- Hazel equation
	16.04.2019	REVISION
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Buffer mechanism of buffer solution
	23.04.2019	TEST (WHOLE SYLLABUS)
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	**Numerical practice**
	30.04.2019	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor :Ms. Kajal Verma
Class & Section: B.Sc MEDICAL 2 YR SEC B
Subject: ORGANIC CHEMISTRY

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	**IR SPECTROSCOPY**: Molecular vibrations, Hooke's law, selection rules, intensity and position of IR bands
	03.01.2019	measurement of IR spectrum, fingerprint region,
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Characteristic absorptions of various functional groups and interpretation of IR spectra of simple organic compounds
	10.01.2019	Applications of IR spectroscopy in structure elucidation of simple organic compounds.
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Test of IR spectroscopy and assignment
	17.01.2019	**AMINES**: Structure and nomenclature of amines, physical properties.
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	

Week 4	22.01.2019	,
	23.01.2019	Separation of a mixture of primary, secondary and tertiary amines, Structural features affecting basicity of amines.
	24.01.2019	Preparation of alkyl and aryl amines (reduction of nitro compounds, nitriles,
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	29.01.2019	
	30.01.2019	reductive amination of aldehydic and ketonic compounds.
	31.01.2019	Gabriel phthalimide reaction, Hofmann bromamide reaction.
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	05.02.2019	
	06.02.2019	electrophilic aromatic substitution in aryl amines, reactions of amines with nitrous acid.
	07.02.2019	Test of amines
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	12.02.2019	
	13.02.2019	Discussion and assignment
	14.02.2019	**DIAZONIUM SALTS:** Mechanism of diazotisation, structure of benzene diazoniumchloride,
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	19.02.2019	**Guru Ravidas Jayanti**

	20.02.2019	Replacement of diazo group by H, OH, F, Cl, Br, I, NO2 and CN groups,
	21.02.2019	reduction of diazonium salts to hyrazines, coupling reaction and its synthetic application.
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	Test of diazonium salts and assignment
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	**NITRO COMPOUNDS**: Preparation of nitro alkanes and nitro arenes and their chemical reactions
	07.03.2019	Assignment discussion
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	Mechanism of electrophilic substitution reactions in nitro arenes and their reductions in acidic, neutral and alkaline medium
	14.03.2019	Test of nitro compounds
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	**ALDEHYDES AND KETONES**: Nomenclature and structure of the carbonyl group.

	28.03.2019	Synthesis of aldehydes and ketones with particular reference to the synthesis of aldehydes from acid chlorides,
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	advantage of oxidation of alcohols with chromium trioxide (Sarett reagent) pyridinium chlorochromate (PCC) and pyridinium dichromate.,
	04.04.2019	Physical properties. Comparison of reactivities of aldehydes and ketones.
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Mechanism of nucleophilic additions to carbonyl group with particular emphasis on benzoin, aldol, Perkin and Knoevenagel condensations.
	11.04.2019	Condensation with ammonia and its derivatives. Wittig reaction.
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	Mannich reaction. Oxidation of aldehydes, Baeyer Villiger oxidation of ketones,
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	Cannizzaro reaction, MPV, Clemmensen, Wolff-Kishner,

		LiAlH4 and NaBH4 reductions.
	25.04.2019	REVISION
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor :Ms. Somya Sachdeva Kalra
Class & Section: Bsc Non –Medical (2nd semester) sec-A
Subject: Inorganic Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	
	04.01.2019	Introduction: Intermolecular forces, H-Bond
	05.01.2019	Effect on Properties ,Applications of H-Bond
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	
	11.01.2019	Intermolecular forces
	12.01.2019	Vander waal Force
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	
	18.01.2019	Metallic Bond
	19.01.2019	Band theory
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	29.01.2019	

	30.01.2019	
	31.01.2019	
	01.02.2019	Assignment of hydrogen bonding and Vander waals forces
	02.02.2019	Test of hydrogen bonding and Vander waals forces
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	
	08.02.2019	Semiconductors, Applications
	09.02.2019	Metallic Bonding
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	
	15.02.2019	*Test of semiconductors*
	16.02.2019	**Band theory**
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	*Assignment on metallic bond and band theory*
	23.02.2019	Introduction s-Block Elements
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Diagonal Relationship
	02.03.2019	Hydrides, Solvation, Compexation
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	

	07.03.2019	
	08.03.2019	Functions in Biosystems and assignment of s- block elements
	09.03.2019	Test of s- block elements
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	
	15.03.2019	Introduction to Noble Gases ,Compounds of Xenon
	16.03.2019	Fluorides, Oxide, Oxo fluorides
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	
	29.03.2019	Introduction p-Block, Diagonal Relationship
	30.03.2019	Boron family-Diborane, Electron Deficient Compounds
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	
	05.04.2019	Borazine $AlCl_3$, Lewis Acidity
	06.04.2019	Carbon family-Catenation, Carbides, Fluoro Carbons
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	
	12.04.2019	Silicates, Silicones,fluoro carbons and assignment of p block elements
	13.04.2019	Introduction to N-Family, N-P Oxy acids,preparation ,properties ,uses
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	

	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	Oxygen family-oxyacids of sulphur,yellow ,red , black phosphorous,preparation,properties and uses
	20.04.2019	Halogen family-inter halogen type properties,structure and comparison of acid strength
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	
	26.04.2019	Assignment of p block elements
	27.04.2019	**Revision**
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor :Ms. Somya Sachdeva Kalra
Class & Section: Bsc Non –Medical (2nd semester)
Subject: Inorganic Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	Introduction: Intermolecular forces, H-Bond
	02.01.2019	Effect on Properties ,Applications of H-Bond
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	Intermolecular forces
Week 2	08.01.2019	Vander waal Force
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	Metallic Bond
Week 3	15.01.2019	Band theory
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	Assignment of hydrogen bonding and Vander waals forces
Week 4	22.01.2019	Test of hydrogen bonding and Vander waals forces
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	Semiconductors, Applications

Week 5	**29.01.2019**	Metallic Bonding
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	*Test of semiconductors*
Week 6	**05.02.2019**	**Band theory**
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	*Assignment on metallic bond and band theory*
Week 7	**12.02.2019**	Introduction s-Block Elements
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	Diagonal Relationship
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	Hydrides, Solvation, Compexation
Week 9	**26.02.2019**	Functions in Biosystems and assignment of s- block elements
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week	**05.03.2019**	Test of s- block elements

10	**06.03.2019**	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Introduction to Noble Gases ,Compounds of Xenon
Week 11	**12.03.2019**	Fluorides, Oxide, Oxo fluorides
	13.03.2019	
	14.03.2019	
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Introduction p-Block, Diagonal Relationship
	26.03.2019	Boron family-Diborane, Electron Deficient Compounds
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	Borazine $AlCl_3$, Lewis Acidity
	02.04.2019	Carbon family-Catenation, Carbides, Fluoro Carbons
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Silicates, Silicones,fluoro carbons and assignment of p block elements
	09.04.2019	Introduction to N-Family, N-P Oxy acids,preparation ,properties ,uses
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week	**15.04.2019**	Oxygen family-oxyacids of sulphur,yellow ,red , black

15		phosphorous,preparation,properties and uses
	16.04.2019	Halogen family-inter halogen type properties,structure and comparison of acid strength
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Assignment of p block elements
	23.04.2019	**Test of p block elements**
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	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. Somya Sachdeva
Class & Section: B.Sc Non-MEDICAL 2 YR SEC B
Subject: ORGANIC CHEMISTRY

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	**IR SPECTROSCOPY**: Molecular vibrations, Hooke's law, selection rules, intensity and position of IR bands
	03.01.2019	measurement of IR spectrum, fingerprint region,
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Characteristic absorptions of various functional groups and interpretation of IR spectra of simple organic compounds
	10.01.2019	Applications of IR spectroscopy in structure elucidation of simple organic compounds.
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Test of IR spectroscopy and assignment
	17.01.2019	**AMINES**: Structure and nomenclature of amines, physical properties.
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	

Week 4	22.01.2019	,
	23.01.2019	Separation of a mixture of primary, secondary and tertiary amines, Structural features affecting basicity of amines.
	24.01.2019	Preparation of alkyl and aryl amines (reduction of nitro compounds, nitriles,
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	29.01.2019	
	30.01.2019	reductive amination of aldehydic and ketonic compounds.
	31.01.2019	Gabriel phthalimide reaction, Hofmann bromamide reaction.
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	05.02.2019	
	06.02.2019	electrophilic aromatic substitution in aryl amines, reactions of amines with nitrous acid.
	07.02.2019	Test of amines
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	12.02.2019	
	13.02.2019	Discussion and assignment
	14.02.2019	**DIAZONIUM SALTS:** Mechanism of diazotisation, structure of benzene diazoniumchloride,
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	19.02.2019	**Guru Ravidas Jayanti**

	20.02.2019	Replacement of diazo group by H, OH, F, Cl, Br, I, NO2 and CN groups,
	21.02.2019	reduction of diazonium salts to hyrazines, coupling reaction and its synthetic application.
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	Test of diazonium salts and assignment
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	**NITRO COMPOUNDS**: Preparation of nitro alkanes and nitro arenes and their chemical reactions
	07.03.2019	Assignment discussion
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	Mechanism of electrophilic substitution reactions in nitro arenes and their reductions in acidic, neutral and alkaline medium
	14.03.2019	Test of nitro compounds
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	**ALDEHYDES AND KETONES**: Nomenclature and structure of the carbonyl group.

	28.03.2019	Synthesis of aldehydes and ketones with particular reference to the synthesis of aldehydes from acid chlorides,
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	advantage of oxidation of alcohols with chromium trioxide (Sarett reagent) pyridinium chlorochromate (PCC) and pyridinium dichromate.,
	04.04.2019	Physical properties. Comparison of reactivities of aldehydes and ketones.
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Mechanism of nucleophilic additions to carbonyl group with particular emphasis on benzoin, aldol, Perkin and Knoevenagel condensations.
	11.04.2019	Condensation with ammonia and its derivatives. Wittig reaction.
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	Mannich reaction. Oxidation of aldehydes, Baeyer Villiger oxidation of ketones,
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	Cannizzaro reaction, MPV, Clemmensen, Wolff-Kishner,

		LiAlH4 and NaBH4 reductions.
	25.04.2019	REVISION
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Mrs Swathi Nair
Class & Section: BSc 1st year SEM 2 section A
Subject: ORGANIC CHEMISTRY

	Date	Topics to be covered
Week 1	01.01.2019	*Nomenclatu re of alkenes, , mechanisms of dehydration of alcohols and dehydrohalogenation of alkyl halides*
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	The Saytzeff rule, Hofmann elimination, physical properties
Week 2	08.01.2019	Physical properties and relative stabilities of alkenes
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	Sunday
	14.01.2019	Chemical reactions of alkenes mechanisms involved in hydrogenation, electrophilic and free radical additions
Week 3	15.01.2019	Markownikoff's rule, hydroboration–oxidation, oxymercurationreduction
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	Ozonolysis, hydration, hydroxylation and oxidation with KMnO4,
Week 4	22.01.2019	Test
	23.01.2019	
	24.01.2019	

	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	*Arenes and Aromaticity* Nomenclature of benzene derivatives:. Aromatic nucleus and side chain
Week 5	**29.01.2019**	Aromaticity: the Huckel rule, aromatic ions
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	Annulenes up to 10 carbon atoms, aromatic, anti- aromatic and non – aromatic compounds
Week 6	**05.02.2019**	**Aromatic electrophilic substitution general pattern of the mechanism**
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	**Mechansim of nitration, halogenation,**
Week 7	**12.02.2019**	Sulphonation, and Friedel-Crafts reaction
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	Energy profile diagrams. Activating , deactivating subs tituents and orientation.
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	

	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	**Test**
Week 9	**26.02.2019**	Dienes and Alkynes: Nomenclature and classification of dienes
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Isolated, conjugated and cumulated dienes.
	06.03.2019	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Structure of butadiene, Chemical reactions 1,2 and 1,4 additions (Electrophilic & free radical mechanism),
Week 11	**12.03.2019**	Diels-Alder reaction, Nomenclature, structure and bonding in alkynes
	13.03.2019	
	14.03.2019	
	15.03.2019	
	16.03.2019	Methods of formation. Chemical reactions of alkynes, acidity of alkynes.
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Mechanism of electrophilic and nucleophilic addition reactions,
	26.03.2019	Hydroborationoxidation of alkynes
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	

	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**Test**
	02.04.2019	Alkyl and Aryl Halide Nomenclature and classes of alkyl halides
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Methods of formation, chemical reactions
	09.04.2019	**Mechanisms and stereochemistry of nucleophilic substitution reactions of alkyl halides**
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	**SN2 and SN1reactions with energy profile diagrams.**
	16.04.2019	Methods of formation and reactions of aryl halides
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	The addition elimination and the elimination-addition mechanisms of nucleophilic aromatic substitution reactions
	23.04.2019	**Relative reactivities of alkyl halides vs allyl, vinyl and aryl halides.**
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	**Test**
	30.04.2019	**Revision**

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Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Mrs Swathi Nair
Class & Section: BSc 1st year SEM 2 section B
Subject: ORGANIC CHEMISTRY

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	
	04.01.2019	Nomenclatu re of alkenes, , mechanisms of dehydration of alcohols and dehydrohalogenation of alkyl halides
	05.01.2019	The Saytzeff rule, Hofmann elimination, physical properties
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	
	11.01.2019	Physical properties and relative stabilities of alkenes
	12.01.2019	Chemical reactions of alkenes mechanisms involved in hydrogenation, electrophilic and free radical additions
	13.01.2019	Sunday
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	
	18.01.2019	Markownikoff's rule, hydroboration–oxidation, oxymercurationreduction
	19.01.2019	Ozonolysis, hydration, hydroxylation and oxidation with KMnO4,
	20.01.2019	**Sunday**
	21.01.2019	
Week	22.01.2019	

4	**23.01.2019**	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	
	01.02.2019	*Test*
	02.02.2019	Arenes and Aromaticity Nomenclature of benzene derivatives:. Aromatic nucleus and side chain
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	
	08.02.2019	Aromaticity: the Huckel rule, aromatic ions
	09.02.2019	Annulenes up to 10 carbon atoms, aromatic, anti- aromatic and non – aromatic compounds
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	
	15.02.2019	Aromatic electrophilic substitution general pattern of the mechanism
	16.02.2019	Mechansim of nitration, halogenation,
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	
	21.02.2019	

	22.02.2019	Sulphonation, and Friedel-Crafts reaction
	23.02.2019	Energy profile diagrams. Activating , deactivating subs tituents and orientation.
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi DayanandSaraswatiJayanti**
	01.03.2019	Test
	02.03.2019	Dienes and Alkynes: Nomenclature and classification of dienes
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	
	07.03.2019	
	08.03.2019	Isolated, conjugated and cumulated dienes.
	09.03.2019	Structure of butadiene,. Chemical reactions 1,2 and 1,4 additions (Electrophilic & free radical mechanism),
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	
	15.03.2019	Diels-Alder reaction, Nomenclature, structure and bonding in alkynes
	16.03.2019	Methods of formation. Chemical reactions of alkynes, acidity of alkynes.
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	
	29.03.2019	Mechanism of electrophilic and nucleophilic addition reactions,
	30.03.2019	Hydroborationoxidation of alkynes

	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	
	05.04.2019	Test
	06.04.2019	Alkyl and Aryl Halides Nomenclatu re and classes of alkyl halides
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	
	12.04.2019	Methods of formation, chemical reactions
	13.04.2019	Mechanisms and stereochemistry of nucleophilic substitution reactions of alkyl halides
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**MahaveerJayanti**
	18.04.2019	
	19.04.2019	SN2 and SN1reactions with energy profile diagrams.
	20.04.2019	Methods of formation and reactions of aryl halides
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	
	26.04.2019	The addition elimination and the elimination-addition mechanisms of nucleophilic aromatic substitution reactions
	27.04.2019	Relative reactivities of alkyl halides vs allyl, vinyl and aryl halides.
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor :Ms. Swathi Nair
Class & Section: BSc – Non medical 6th sem (sec-B)
Subject: Organic Chemistry

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	**Heterocyclic Compounds-I** Introduction: Molecular orbital picture
	03.01.2019	aromatic characteristics of pyrrole, furan, thiophene and pyridine
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Methods of synthesis and chemical reactions with particular emphasis on the mechanism of electrophilic substitution.
	10.01.2019	Mechanism of nucleophilic substitution reactions in pyridine derivatives. Comparison of basicity of pyridine
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Comparison of basicity of piperidine and pyrrole
	17.01.2019	Assignment
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	**Heterocyclic Compounds-II** Introduction to condensed five and six- membered heterocycles
	24.01.2019	Prepration and reactions of indole, quinoline and

		isoquinoline with special reference to Fisher indole synthesis,
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	Test
	31.01.2019	Skraup synthesis and Bischler-Napieralski synthesis. Mechanism of electrophilic substitution reactions of quinoline and isoquinoline
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	**Organosulphur Compounds** Nomenclature, structural features, Methods of formation and chemical reactions of thiols,
	07.02.2019	structural features, Methods of formation and chemical reactions of thioethers, sulphonic acids, sulphonamides and sulphaguanidine.
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	Synthetic detergents alkyl and aryl sulphonates.and assignment
	14.02.2019	**Organic Synthesis *via* Enolates** Acidity of alpha-hydrogens, alkylation of diethyl malonate and ethyl acetoacetate
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	Synthesis of ethyl acetoacetate: the Claisen condensation.

	21.02.2019	Keto-enol tautomerism of ethyl acetoacetate.
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	*Test*
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	**Synthetic Polymers** Addition or chain-growth polymerization. Free radical vinyl polymerization, ionic vinyl polymerization, Ziegler-Natta polymerization and vinyl polymers.
	07.03.2019	Condensation or step growth polymerization.Polyesters ,polyamides, phenolformaldehyde resins, urea formaldehyde resins epoxy re sins and polyurethanes.
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	Natural and synthetic rubbers.
	14.03.2019	**Amino Acids, Peptides& Proteins** Classification, of amino acids. Acid-base behavior, isoelectric point and electrophoresis
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	Preparation of alpha -amino acids.Structure and nomenclature of peptides and proteins

	28.03.2019	Classification of proteins. Peptide structure determination
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	Assignment
	04.04.2019	end group analysis, selective hydrolysis of peptides. Classical peptide synthesis
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Test
	11.04.2019	solid–phase peptide synthesis. Structuresof peptides and proteins: Primary & Secondary structure
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	**Revision**
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor : Ms. Jyoti
Class & Section: B.Sc.(Non Medical) 6th Sem, Sec - A
Subject: Atomic, Molecular and Laser physics

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	Quantum numbers associated with vector model atom
	04.01.2019	Penetrating and Non penetrating orbits, Spectral lines in different series of alkali spectra
	05.01.2019	Test
	06.01.2019	Sunday
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	**Doublet** term separation of LS coupling
	11.01.2019	Penetrating and Non penetrating orbits
	12.01.2019	**Atomic spectra emission and absorption**
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	Revision, Assignment
	18.01.2019	JJ coupling

	19.01.2019	**Zeeman effect**
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	**22.01.2019**	
	23.01.2019	
	24.01.2019	Zeeman pattern of D lines
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	**Paschen effect and numerical**
	01.02.2019	**Assignment**
	02.02.2019	**Raman effect**
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	**Strokes and anti strokes lines**
	08.02.2019	Revision
	09.02.2019	**Test**
	10.02.2019	**Sunday**

	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	**Normal Zeeman effect**
	15.02.2019	Electronic energies of molecules
	16.02.2019	**Quantization of vibrational and rotational energy**
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	
	21.02.2019	Hyperfine structure of spectra lines
	22.02.2019	Test
	23.02.2019	**Isotope effect**
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**MaharishiDayanandSaraswatiJayanti**
	01.03.2019	Larmors theorem
	02.03.2019	**Numerical**
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	

	06.03.2019	
	07.03.2019	**Weak field stark effect**
	08.03.2019	Strong field stark effect
	09.03.2019	**Spatial quantization**
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	Bohr's correspondence principal
	15.03.2019	Test
	16.03.2019	**Features of laser**
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	Spatial and temporal coherence
	29.03.2019	**Einstein coefficient**
	30.03.2019	Assignment
	31.03.2019	**sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	

	04.04.2019	Possibility of amplification, optical absorption
	05.04.2019	**Momentum and life time**
	06.04.2019	Threshold condition
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	Population inversion
	12.04.2019	**Laser puming**
	13.04.2019	Revision
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**MahaveerJayanti**
	18.04.2019	**He Ne laser**
	19.04.2019	**Ruby laser**
	20.04.2019	Assignment
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	Semiconductor laser
	26.04.2019	**Application of laser**
	27.04.2019	Revision test

	28.04.2019	**S u n d a y**
W e e k 1 7	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor : Ms. PINKY KUMARI
Class & Section: B.Sc. Non Medical (6th sem) SEC-B
Subject: NUCLEAR PHYSICS

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	Introduction of Nuclear Physics
	04.01.2019	Basics of nuclear properties. Systematic nuclear binding energy
	05.01.2019	Statistic magnetic dipole & Quadruple moment
	06.01.2019	Sunday
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	Determination of mass by Bain-Bridge
	11.01.2019	Assignment 1.
	12.01.2019	Jordan double focusing mass spectrograph
	13.01.2019	Sunday
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	Determination of charge by Mosley law
	18.01.2019	Doubt class
	19.01.2019	Test 1 on topics of unit 1st.
	20.01.2019	Sunday
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	Determination of size of nuclei by Rutherford Back scattering
	25.01.2019	Sir Chottu Ram Jayanti
	26.01.2019	Republic day
	27.01.2019	Sunday
	28.01.2019	

Week 5	29.01.2019	
	30.01.2019	
	31.01.2019	Introduction of heavy charged particles
	01.02.2019	Theory of alpha decay
	02.02.2019	Geigner- Nuttal law
	03.02.2019	Sunday
	04.02.2019	
Week 6	05.02.2019	
	06.02.2019	
	07.02.2019	Introduction of light charged particle
	08.02.2019	Neutrino hypothesis.
	09.02.2019	Types of beta decay & energetic of beta decay
	10.02.2019	Sunday
	11.02.2019	
Week 7	12.02.2019	
	13.02.2019	
	14.02.2019	Doubt Class
	15.02.2019	Energy loss & absorption of beta particles
	16.02.2019	Test 2 on topics of unit 2nd
	17.02.2019	Sunday
	18.02.2019	
Week 8	19.02.2019	Guru Ravidas Jayanti
	20.02.2019	
	21.02.2019	Introduction of Gamma Ray
	22.02.2019	Nature of Gamma rays
	23.02.2019	Assignment 2.
	24.02.2019	Sunday
	25.02.2019	
Week 9	26.02.2019	
	27.02.2019	
	28.02.2019	Maharishi Dayanand Saraswati Jayanti
	01.03.2019	Energetics & passage of gamma rays
	02.03.2019	Electron position annihilation
	03.03.2019	Sunday
	04.03.2019	Shivratri
Week	05.03.2019	

10	**06.03.2019**	
	07.03.2019	Absorption of gamma rays & application
	08.03.2019	Nuclear reactions
	09.03.2019	Doubt class
	10.03.2019	Sunday
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	Test 3.
	15.03.2019	Elastic & Inelastic scattering
	16.03.2019	Nuclear Disintegration
	17.03.2019	Sunday
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	Photonuclear reaction. Radiative capture
	29.03.2019	Conservation laws
	30.03.2019	Q-value and reaction threshold
	31.03.2019	Sunday
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	Nuclear fission and fusion reactors
	05.04.2019	Linear accelerator.
	06.04.2019	Tendem accelerator
	07.04.2019	Sunday
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	Cyclotron & Betatron accelerators
	12.04.2019	Doubt class
	13.04.2019	Ionization chamber
	14.04.2019	Sunday
Week 15	**15.04.2019**	
	16.04.2019	

	17.04.2019	Mahaveer Jayanti
	18.04.2019	Proportional counter
	19.04.2019	G.M. counter
	20.04.2019	Semiconductor detector
	21.04.2019	Sunday
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	Scientillation counter
	26.04.2019	REVISION
	27.04.2019	REVISION
	28.04.2019	Sunday
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms. Prerna Singh Rawat
Class & Section: Bsc (N M) Sec A
Subject: Optics ll

	Date	Topics to be covered
Week 1	01.01.2019	-
	02.01.2019	Introduction to interference by division of amplitude
	03.01.2019	Interference due to thin films
	04.01.2019	Wedge shaped films, Newton's ring
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	-
Week 2	08.01.2019	-
	09.01.2019	Michelson interferometer and applications
	10.01.2019	Fresnel diffraction and half period zone
	11.01.2019	Practical exam
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Zone plates
	17.01.2019	Diffraction at single edge
	18.01.2019	Diffraction at a rectangular slit and circular aperture
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	**Assignment**
	24.01.2019	test
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	29.01.2019	

	30.01.2019	Fraunhoffer diffraction and diffraction at single slit
	31.01.2019	Fraunhoffer diffraction at double slit
	01.02.2019	Fraunhoffer diffraction at N slits
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	Plane transmission grating spectrum
	07.02.2019	Dispersive power of grating
	08.02.2019	Resolving power and limit of resolution
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	Rayleigh criterion and resolving power of telescope
	14.02.2019	Resolving power of grating and numerical problems
	15.02.2019	**Assignment**
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	**Test**
	21.02.2019	Introduction to polarisation,polarisation by reflection
	22.02.2019	Polarisation by scattering and refraction
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	Malus aw and double refraction
	28.02.2019	**Maharishi DayanandSaraswatiJayanti**
	01.03.2019	Polarisation by double refraction and Nicol prism
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	Huygen's theory of double refraction

	07.03.2019	Quarter and half wave plate
	08.03.2019	Production f plane, circularly and elliptically polarized light
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	Optical activity,fresnel theory of optical activity
	14.03.2019	Fresnel experiment, specific rotation, polarimeters
	15.03.2019	Half shade polarimeter
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	Bi quartz polarimeter and numerical s
	28.03.2019	Doubt class
	29.03.2019	**Assighment**
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	**Test**
	04.04.2019	Revision of unit l
	05.04.2019	Revision of unit l
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Test of unit 1
	11.04.2019	Revision of unit ll
	12.04.2019	Revision of unitll
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	

	17.04.2019	**MahaveerJayanti**
	18.04.2019	**Test of unit ll**
	19.04.2019	Revision of unit lll
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	Test of unit llll
	25.04.2019	Full syllabus doubts and revision
	26.04.2019	Test
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms. Prerna Singh Rawat
Class & Section: Bsc N.M. sec A
Subject: Optics ll

	Date	Topics to be covered	
Week 1	**01.01.2019**	Introduction to interference by division of amplitude	
	02.01.2019	-	
	03.01.2019	-	
	04.01.2019	-	
	05.01.2019	Interference due to thin films	
	06.01.2019	**Sunday**	
	07.01.2019	Wedge shaped film, Newton's rings	
Week 2	**08.01.2019**	Michelson interferometer and it's applications	
	09.01.2019	-	
	10.01.2019	-	
	11.01.2019	(practical exam)	
	12.01.2019	(practical exam)	
	13.01.2019	**sunday**	
	14.01.2019	Fresnel diffraction and half period zones	
Week 3	**15.01.2019**	Zone plate	
	16.01.2019	-	
	17.01.2019	-	
	18.01.2019	-	
	19.01.2019	Diffraction at single edge	
	20.01.2019	**Sunday**	
	21.01.2019	Diffraction at a rectangular slit and circular apperture	
Week 4	**22.01.2019**	**Assignment**	
	23.01.2019	-	
	24.01.2019	-	
	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**	Fraunhoffer diffraction, Fraunhoffer diffraction at single slit	
	30.01.2019	-	
	31.01.2019	**-**	
	01.02.2019	-	
	02.02.2019	Fraunhoffer diffraction at double slit	
	03.02.2019	**Sunday**	
	04.02.2019	Fraunhoffer diffraction at N slits	
Week 6	**05.02.2019**	Plane transmission grating spectrum	
	06.02.2019	-	
	07.02.2019	-	
	08.02.2019	-	
	09.02.2019	Dispersive power of a grating	
	10.02.2019	**Sunday**	
	11.02.2019	Resolving power &limit of resolution	
Week 7	**12.02.2019**	Rayleigh's criterion and resolving power of a telescope	
	13.02.2019	-	
	14.02.2019		
	15.02.2019	-	
	16.02.2019	Resolving power of a grating and numerical problems	
	17.02.2019	**Sunday**	
	18.02.2019	**Assignment**	
Week 8	**19.02.2019**	**Guru RavidasJayanti**	
	20.02.2019	-	
	21.02.2019	-	
	22.02.2019	-	
	23.02.2019	**Test**	
	24.02.2019	**Sunday**	
	25.02.2019	Introduction to polarisation, polarisation by reflection	
Week 9	**26.02.2019**	Polarisation by refraction and scattering	
	27.02.2019	-	
	28.02.2019	**Maharishi DayanandSaraswatiJayanti**	
	01.03.2019	-	
	02.03.2019	Malus law &double refraction	
	03.03.2019	**Sunday**	

	04.03.2019	**Shivratri**	
Week 10	**05.03.2019**	Polarisation by double refraction and Nicol prism	
	06.03.2019	-	
	07.03.2019	-	
	08.03.2019	-	
	09.03.2019	Huygen's theory of double refraction	
	10.03.2019	**Sunday**	
	11.03.2019	Quarter and half wave plate	
Week 11	**12.03.2019**	Production of plane ,circularly and elliptically polarized light	
	13.03.2019	-	
	14.03.2019	-	
	15.03.2019	-	
	16.03.2019	Optical activity, Fresnel theory of optical rotation	
	17.03.2019	**Sunday**	
		Holi Vacations 17.03.19-24.03.2019	
Week 12	**25.03.2019**	Fresnel experiment, specific rotation, polarimeters	
	26.03.2019	Half shade polarimeter	
	27.03.2019	-	
	28.03.2019	-	
	29.03.2019	**-**	
	30.03.2019	Bi quartz polarimeter and numerical problems	
	31.03.2019	**Sunday**	
Week 13	**01.04.2019**	**Test**	
	02.04.2019	**Assignment**	
	03.04.2019	-	
	04.04.2019	-	
	05.04.2019	**-**	
	06.04.2019	Unit l revision (doubt class)	
	07.04.2019	**Sunday**	
Week 14	**08.04.2019**	Unit l test	
	09.04.2019	Unit ll revision **(**doubt class**)**	
	10.04.2019	-	
	11.04.2019	-	
	12.04.2019	**-**	
	13.04.2019	Unit ll test	

	14.04.2019	**Sunday**	
Week 15	**15.04.2019**	Unit lll revision	
	16.04.2019	Unit lll test	
	17.04.2019	**MahaveerJayanti**	
	18.04.2019	**-**	
	19.04.2019	**-**	
	20.04.2019	Doubt class(full syllabus)	
	21.04.2019	**Sunday**	
Week 16	**22.04.2019**	Revision	
	23.04.2019	Revision	
	24.04.2019	-	
	25.04.2019	-	
	26.04.2019	**-**	
	27.04.2019	Revision	
	28.04.2019	**Sunday**	
Week 17	**29.04.2019**	Revision	
	30.04.2019	Test	

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

Name of Asst/Associate Professor : Ms. Jyoti
Class & Section: B.Sc. (Non Medical) 6th Sem, Sec- B
Subject: Atomic, Molecular and Laser physics

	Date	Topics to be covered
Week 1	01.01.2019	**Quantum numbers associated with vector model atom**
	02.01.2019	Penetrating and Non penetrating orbits,lines in different series of alkali spectra
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	Doublet term separation of LS coupling
Week 2	08.01.2019	**Test**
	09.01.2019	Penetrating and Non penetrating orbits
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	**Atomic spectra emission and absorption**
Week 3	15.01.2019	**JJ coupling**
	16.01.2019	Revision
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	Zeeman effect
Week 4	22.01.2019	**Zeeman pattern of D lines**
	23.01.2019	paschen effect and numerical
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	**Assignment**

Week 5	29.01.2019	**Raman effect**
	30.01.2019	strokes and anti strokes lines
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	**Assignment**
Week 6	05.02.2019	**Normal Zeeman effect**
	06.02.2019	**Electronic energies of molecules**
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	**Test**
Week 7	12.02.2019	**Quantization of vibrational and rotational energy**
	13.02.2019	Hyperfine structure of Spectral lines
	14.02.2019	
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	**Isotope effect**
Week 8	19.02.2019	**GuruRavidasJayanti**
	20.02.2019	Larmors theorem
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	**Numerical**
Week 9	26.02.2019	weak field stark effect
	27.02.2019	**Strong field stark effect**
	28.02.2019	**MaharishiDayanandSaraswatiJayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	05.03.2019	Spatial quantization

	06.03.2019	Revision
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Bohr's correspondence principle
Week 11	**12.03.2019**	Test
	13.03.2019	**Assignment**
	14.03.2019	
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Features of laser
	26.03.2019	spatial and temporal coherence
	27.03.2019	Test
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**Einstein coefficient**
	02.04.2019	possibility of amplification, optical absorption
	03.04.2019	Momentum and life time
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Threshold condition
	09.04.2019	**Population inversion**
	10.04.2019	laser pumping
	11.04.2019	
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	**Line broadening, Doppler broadening**
	16.04.2019	Ruby laser

	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	He-Ne laser
	23.04.2019	**Test**
	24.04.2019	Semiconductor laser
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	**Application of laser**
	30.04.2019	**Revision**

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

Name of Asst/Associate Professor : Ms. Jyoti **Class & Section: B.Sc.(Non Medical) 6th Sem, Sec - A** **Subject: Atomic, Molecular and Laser physics**		
	Date	**Topics to be covered**
Week 1	**01.01.2019**	
	02.01.2019	
	03.01.2019	Quantum numbers associated with vector model atom
	04.01.2019	Penetrating and Non penetrating orbits, Spectral lines in different series of alkali spectra
	05.01.2019	**Test**
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	**08.01.2019**	
	09.01.2019	
	10.01.2019	Doublet term separation of LS coupling
	11.01.2019	Penetrating and Non penetrating orbits
	12.01.2019	**Atomic spectra emission and absorption**
	13.01.2019	**sunday**
	14.01.2019	
Week 3	**15.01.2019**	
	16.01.2019	
	17.01.2019	Revision, Assignment
	18.01.2019	JJ coupling
	19.01.2019	**Zeeman effect**
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	**22.01.2019**	
	23.01.2019	
	24.01.2019	Zeeman pattern of D lines
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	

Week 5	29.01.2019	
	30.01.2019	
	31.01.2019	**Paschen effect and numerical**
	01.02.2019	**Assignment**
	02.02.2019	**Raman effect**
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	05.02.2019	
	06.02.2019	
	07.02.2019	**Strokes and anti strokes lines**
	08.02.2019	Revision
	09.02.2019	**Test**
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	12.02.2019	
	13.02.2019	
	14.02.2019	**Normal Zeeman effect**
	15.02.2019	Electronic energies of molecules
	16.02.2019	**Quantization of vibrational and rotational energy**
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	19.02.2019	**Guru RavidasJayanti**
	20.02.2019	
	21.02.2019	Hyperfine structure of spectra lines
	22.02.2019	Test
	23.02.2019	**Isotope effect**
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	26.02.2019	
	27.02.2019	
	28.02.2019	**MaharishiDayanandSaraswatiJayanti**
	01.03.2019	Larmors theorem
	02.03.2019	**Numerical**
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	05.03.2019	

	06.03.2019	
	07.03.2019	**Weak field stark effect**
	08.03.2019	Strong field stark effect
	09.03.2019	**Spatial quantization**
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	Bohr's correspondence principal
	15.03.2019	Test
	16.03.2019	**Features of laser**
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	Spatial and temporal coherence
	29.03.2019	**Einstein coefficient**
	30.03.2019	Assignment
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	Possibility of amplification, optical absorption
	05.04.2019	**Momentum and life time**
	06.04.2019	Threshold condition
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	Population inversion
	12.04.2019	**Laser pumping**
	13.04.2019	Revision
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	

	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	**He - Ne laser**
	19.04.2019	**Ruby laser**
	20.04.2019	Assignment
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	Semiconductor laser
	26.04.2019	**Application of laser**
	27.04.2019	Revision test
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor :Ms.Preeti Singla
Class & Section: B.sc. (non-med)3rd sem sec B
Subject: Statistical Mechanics

	Date	Topics to be covered
Week 1	01.01.2019	Probability,Numeric, Some Probability Consideration
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	Combination Possessing maximum probability, Numerical
	06.01.2019	Sunday
	07.01.2019	Combination possessing minimum probability
Week 2	08.01.2019	Distribution of molecules in two boxes, numerical
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	Thermodynamic Probability, Macrostates and Macrostates of a system of particles
	13.01.2019	Sunday
	14.01.2019	Constraints and Accessible states, Inaccessible States, least probable states
Week 3	15.01.2019	Binomial Theorem of probability
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	Stirling's Approximation, numerical
	20.01.2019	Sunday
	21.01.2019	Successive and dynamic system, phase space
Week 4	22.01.2019	Doubt Class
	23.01.2019	
	24.01.2019	
	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	postulate of statistical physics, Volume of phase space cell

	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	Occupation index, number of phase space cell in the momentum interval P and p+dp
	03.02.2019	S u n d a y
	04.02.2019	Condition of equilibrium between the two systems in thermal contact - Beta parameter
Week 6	05.02.2019	B o l t z m a n n ' s E n t r o p y R e l a t i o n
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	Three Kinds of Statistics, Basic approach of three statistics
	10.02.2019	S u n d a y
	11.02.2019	B o l t z m a n n ' s D i s t r i b u t i o n L a w
Week 7	12.02.2019	A s s i g n m e n t
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	D e t e r m i n a t i o n o f B e t a
	17.02.2019	S u n d a y
	18.02.2019	R e v i s i o n T e s t
Week 8	19.02.2019	G u r u R a v i d a s J a y a n t i
	20.02.2019	
	21.02.2019	
	22.02.2019	
	23.02.2019	Classical Versus Quantum Statistics, Identical Particles
	24.02.2019	S u n d a y
	25.02.2019	B o s e - E i n s t e i n S t a t i s t i c s
Week 9	26.02.2019	B l a c k B o d y R a d i a t i o n s
	27.02.2019	
	28.02.2019	M a h a r i s h i D a y a n a n d S a r a s w a t i J a y a n t i
	01.03.2019	
	02.03.2019	Application of B-E Statistics to Planck's Radiation law
	03.03.2019	S u n d a y
	04.03.2019	S h i v r a t r i
Week 10	05.03.2019	B o s e - E i n s t e i n G a s
	06.03.2019	

	07.03.2019	
	08.03.2019	
	09.03.2019	**Numerical Problems**
	10.03.2019	**Sunday**
	11.03.2019	Doubt Clas s
Week 11	**12.03.2019**	Maxwell-Boltzmann Distribution as a limiting Case of B-E Ditribution
	13.03.2019	
	14.03.2019	
	15.03.2019	
	16.03.2019	**Degeneracy**
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Bose-Einstein Condensation
	26.03.2019	Fermi Dirac Statistics and Continuum limit
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	Test
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**Fermi Dirac Gas**
	02.04.2019	Fermi Energy, Determination of Fermi Energy at temperature other than absolute Zero
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	Degeneracy of Fermi Gas
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Assignment
	09.04.2019	**Electron gas in metals and its solution**
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	Specific heat of metals and its solution
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	**Numerical Problems**
	16.04.2019	Doubt Clas s
	17.04.2019	**MahaveerJayanti**

	18.04.2019	
	19.04.2019	
	20.04.2019	T e s t
	21.04.2019	**S u n d a y**
Week 16	**22.04.2019**	R e v i s i o n
	23.04.2019	**B l a c k B o a r d T e s t**
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**S u n d a y**
W e e k 1 7	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor : Ms.Preeti Singla
Class & Section: B. Sc(non medical)3rd semSection A
Subject: Statistical Mechanics

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	Probability, Some probability consideration
	03.01.2019	Combination possessing maximum probability
	04.01.2019	Combination possessing minimum probability, Numerical
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Distribution of molecules in two boxes, numerical
	10.01.2019	Cases with weightage (general), numerical
	11.01.2019	Macrostates and Macrostates of a system of particles
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Thermodynamic Probability
	17.01.2019	Constraints and Accesible states, Inaccessible States
	18.01.2019	Least probable States, Binomial Theorem of probability
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	Test
	24.01.2019	Stirling's Approximation, Assignment
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	

Week 5	29.01.2019	
	30.01.2019	Successive and simultaneous events
	31.01.2019	**Most probable Distribution and Statistical Fluctuations**
	01.02.2019	**Static and dynamic system, phase space**
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	05.02.2019	
	06.02.2019	**Revision, Doubt class**
	07.02.2019	**Postulate of Statistical physics, Volume of phase space cell**
	08.02.2019	Occupation index, number of phase space cell in the momentum interval P and P+dP
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	12.02.2019	
	13.02.2019	Condition of equilibrium between the two systems in thermal contact - Beta Parameter
	14.02.2019	**Boltzmann's Entropy Relation**
	15.02.2019	Three kinds of Statistics, Basic approach of three Statistics
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	19.02.2019	**Guru RavidasJayanti**
	20.02.2019	Boltzmann's Distribution law
	21.02.2019	Determination of Beta
	22.02.2019	Test
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	26.02.2019	
	27.02.2019	**Classical Versus Quantum Statistics, Identical Partical**
	28.02.2019	**MaharishiDayanandSaraswatiJayanti**
	01.03.2019	Bose - Einstein Statistics
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	05.03.2019	

	06.03.2019	Black Body Radiations
	07.03.2019	**Application of B-E statistics to Planck's radiation law**
	08.03.2019	Bose Einstein Gas
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	**Assignment, Doubt class**
	14.03.2019	Maxwell Boltzmann's distribution as a limiting case of B-E distribution
	15.03.2019	Degeneracy
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	Bose Einstein Condensation
	28.03.2019	Test
	29.03.2019	**Fermi Dirac Statistics and Continuum limit**
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	Fermi Dirac Gas
	04.04.2019	Fermi Energy, Determination of fermi energy at temperature other than absolute zero
	05.04.2019	**Degeneracy of fermi gas**
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Electron gas in metals and its solution
	11.04.2019	Specific heat of metals and its solution
	12.04.2019	**Numerical problem**
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	

	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	**Test**
	19.04.2019	**Doubt class**
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	Revision of numerical
	25.04.2019	Board test
	26.04.2019	**Revision**
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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

Name of Asst/Associate Professor : Ms. Preeti Singla
Class & Section: B. Sc(non medical)3rd semSection A
Subject: Statistical Mechanics

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	Probability, Some probability consideration
	03.01.2019	Combination possessing maximum probability
	04.01.2019	Combination possessing minimum probability, Numerical
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Distribution of molecules in two boxes, numerical
	10.01.2019	Cases with weightage (general), numerical
	11.01.2019	Macrostates and Macrostates of a system of particles
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Thermodynamic Probability
	17.01.2019	Constraints and Accesible states, Inaccessible States
	18.01.2019	Least probable States, Binomial Theorem of probability
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	Test
	24.01.2019	Stirling's Approximation, Assignment
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	29.01.2019	

	30.01.2019	Successive and simultaneous events
	31.01.2019	**Most probable Distribution and Statistical Fluctuations**
	01.02.2019	**Static and dynamic system, phase space**
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	**Revision, Doubt class**
	07.02.2019	**Postulate of Statistical physics, Volume of phase space cell**
	08.02.2019	Occupation index, number of phase space cell in the momentum interval P and P+dP
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	Condition of equilibrium between the two systems in thermal contact - Beta Parameter
	14.02.2019	**Boltzmann's Entropy Relation**
	15.02.2019	Three kinds of Statistics, Basic approach of three Statistics
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	Boltzmann's Distribution law
	21.02.2019	Determination of Beta
	22.02.2019	Test
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	**Classical Versus Quantum Statistics, Identical Partical**
	28.02.2019	**MaharishiDayanandSaraswatiJayanti**
	01.03.2019	Bose - Einstein Statistics
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	Black Body Radiations

	07.03.2019	**Application of B-E statistics to Planck's radiation law**
	08.03.2019	Bose Einstein Gas
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
	12.03.2019	
	13.03.2019	**Assignment, Doubt class**
	14.03.2019	Maxwell Boltzmann's distribution as a limiting case of B-E distribution
Week 11	**15.03.2019**	Degeneracy
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
	25.03.2019	
	26.03.2019	
	27.03.2019	Bose Einstein Condensation
Week 12	**28.03.2019**	Test
	29.03.2019	**Fermi Dirac Statistics and Continuum limit**
	30.03.2019	
	31.03.2019	**Sunday**
	01.04.2019	
	02.04.2019	
	03.04.2019	Fermi Dirac Gas
Week 13	**04.04.2019**	Fermi Energy, Determination of fermi energy at temperature other than absolute zero
	05.04.2019	**Degeneracy of fermi gas**
	06.04.2019	
	07.04.2019	**Sunday**
	08.04.2019	
	09.04.2019	
	10.04.2019	Electron gas in metals and its solution
Week 14	**11.04.2019**	Specific heat of metals and its solution
	12.04.2019	**Numerical problem**
	13.04.2019	
	14.04.2019	**Sunday**
	15.04.2019	
Week 15	**16.04.2019**	
	17.04.2019	**MahaveerJayanti**

	18.04.2019	**T e s t**
	19.04.2019	**D o u b t c l a s s**
	20.04.2019	
	21.04.2019	**S u n d a y**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	R e v i s i o n o f n u m e r i c a l
	25.04.2019	B o a r d t e s t
	26.04.2019	**R e v i s i o n**
	27.04.2019	
	28.04.2019	**S u n d a y**
W e e k 1 7	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms.Garima Sharma
Class & Section: B.Sc (Non Med) 2nd sem, Section B
Subject: Physics (Paper 1) Properties of Matter, Kinetics Theory And Relativity

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	Kinetic theory of gases: Introduction ,Assumptions of kinetic theory of gases, Expression For Pressure of gas, Kinetic Interpretation of Temperature, Numericals
	04.01.2019	Some useful Standard definite integrals, Phase space, Division of phase space into cells, Microstate and Macrostates, Postulates of Statistical Mechanics
	05.01.2019	Deduction of Maxwell-Boltzmann Velocity Distribution law
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	Deduction of Maxwell-Boltzmann Speed Distribution Law
	11.01.2019	Deduction of Maxwell-Boltzmann Speed Distribution Law, Most Probable Speed
	12.01.2019	Expression for Average or mean speed and root mean square speed ,Relation between Cmax ,Cmean and Crms, Maxwellian Energy-Wise Distribution
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	

	16.01.2019	
	17.01.2019	Experimental Verification of Maxwell Distribution law of speed
	18.01.2019	Test/Assignment
	19.01.2019	Degree of freedom,Law of equipartition of Energy
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	**22.01.2019**	
	23.01.2019	
	24.01.2019	Specific Heat of gases ,Variation of Molar Specific heat of a diatomic gas with temperature Transport Phenomenon ,Transport of Momentum
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	Mean free path ,Expression For Mean free path, Numericals Test/Assignmemt
	01.02.2019	Numerical, Transport phenomenon of Energy
	02.02.2019	Transport phenomenon of Mass, Numericals, Brownian motion
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	Deviation of Real gas behaviour from that of an ideal gas,

		Vander wall's equation of state for real gases
	08.02.2019	Vander Wall's Isothermals, Explanation of deviation by Vander Wall's equation
	09.02.2019	Numerical ,Revision
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	Theory of Relativity :Introduction ,Some important definitions
	15.02.2019	Frame of reference, Inertial Frame of reference
	16.02.2019	Galilean Transformation
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	Galilean Invariance and Newtonian Relativity principle
	22.02.2019	Test/Assignment
	23.02.2019	Conservation Laws according to Galilean's Transformation
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	The Michelson and Morley Experiment
	02.03.2019	Special Theory of Relativity, The lorentz Transformation

	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	
	07.03.2019	Relativity of Space(Length Contraction),Relativity of time(Time dilation)
	08.03.2019	Numericals ,Twin paradox ,Relativity of Simultaneity ,Addition or Composition of Velocities
	09.03.2019	Realtivity of Mass(Variation of mass with velocity)
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	Mass energy equivalence ,Significance of Mass-Energy Equivalence ,Relation between Relativistic Momentum and Energy ,Numericals
	15.03.2019	Test/Assignment
	16.03.2019	Elasticity: Introduction ,Stress and Strain ,Hook's law, Stress-strain graph ,Three types of Elasticity
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	Young's Modulus ,Bulk modulus ,Modulus of rigidity
	29.03.2019	Poisson's Ratio, Numericals, Energy Strained bodies
	30.03.2019	Bulk modulus- Relation between Y,K and ¬
	31.03.2019	**Sunday**

Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	: Modulus of rigidity- Relation between Y,ɳ and ¬
	05.04.2019	Relation between the elastic constants, Limiting values of Poisson's ratio ,Torsion of Cylinder and Twisting couple
	06.04.2019	Bending of beam, Cantilever at free end
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	Tranverse vibrations of a loaded cantiveler , Depression of a centrally loaded beam supported at its ends
	12.04.2019	Depression of uniformly loaded beam at its middle point
	13.04.2019	Stiffness of a beam
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	Shape of cross section after bending
	19.04.2019	Resilience
	20.04.2019	Test/Assignment
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	Revision,Doubts
	26.04.2019	
	27.04.2019	

	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms.Garima Sharma
Class & Section: B.Sc (Non Med) 2nd sem, Section B
Subject: Physics (Paper 1) Properties of Matter, Kinetics Theory And Relativity

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	Kinetic theory of gases: Introduction ,Assumptions of kinetic theory of gases, Expression For Pressure of gas, Kinetic Interpretation of Temperature, Numericals
	04.01.2019	Some useful Standard definite integrals, Phase space, Division of phase space into cells, Microstate and Macrostates, Postulates of Statistical Mechanics
	05.01.2019	Deduction of Maxwell-Boltzmann Velocity Distribution law
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	Deduction of Maxwell-Boltzmann Speed Distribution Law
	11.01.2019	Deduction of Maxwell-Boltzmann Speed Distribution Law, Most Probable Speed
	12.01.2019	Expression for Average or mean speed and root mean square speed ,Relation between Cmax ,Cmean and Crms, Maxwellian Energy-Wise Distribution
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	

	16.01.2019	
	17.01.2019	Experimental Verification of Maxwell Distribution law of speed
	18.01.2019	Test/Assignment
	19.01.2019	Degree of freedom,Law of equipartition of Energy
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	**22.01.2019**	
	23.01.2019	
	24.01.2019	Specific Heat of gases ,Variation of Molar Specific heat of a diatomic gas with temperature Transport Phenomenon ,Transport of Momentum
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	Mean free path ,Expression For Mean free path, Numericals Test/Assignmemt
	01.02.2019	Numerical, Transport phenomenon of Energy
	02.02.2019	Transport phenomenon of Mass, Numericals, Brownian motion
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	Deviation of Real gas behaviour from that of an ideal gas,

		Vander wall's equation of state for real gases
	08.02.2019	Vander Wall's Isothermals, Explanation of deviation by Vander Wall's equation
	09.02.2019	Numerical ,Revision
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	Theory of Relativity :Introduction ,Some important definitions
	15.02.2019	Frame of reference, Inertial Frame of reference
	16.02.2019	Galilean Transformation
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	Galilean Invariance and Newtonian Relativity principle
	22.02.2019	Test/Assignment
	23.02.2019	Conservation Laws according to Galilean's Transformation
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	The Michelson and Morley Experiment
	02.03.2019	Special Theory of Relativity, The lorentz Transformation

	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	
	06.03.2019	
	07.03.2019	Relativity of Space(Length Contraction),Relativity of time(Time dilation)
	08.03.2019	Numericals ,Twin paradox ,Relativity of Simultaneity ,Addition or Composition of Velocities
	09.03.2019	Realtivity of Mass(Variation of mass with velocity)
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	Mass energy equivalence ,Significance of Mass-Energy Equivalence ,Relation between Relativistic Momentum and Energy ,Numericals
	15.03.2019	Test/Assignment
	16.03.2019	Elasticity: Introduction ,Stress and Strain ,Hook's law, Stress-strain graph ,Three types of Elasticity
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	Young's Modulus ,Bulk modulus ,Modulus of rigidity
	29.03.2019	Poisson's Ratio, Numericals, Energy Strained bodies
	30.03.2019	Bulk modulus- Relation between Y,K and ¬
	31.03.2019	**Sunday**

Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	: Modulus of rigidity- Relation between Y,ɳ and ¬
	05.04.2019	Relation between the elastic constants, Limiting values of Poisson's ratio ,Torsion of Cylinder and Twisting couple
	06.04.2019	Bending of beam, Cantilever at free end
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	Tranverse vibrations of a loaded cantiveler , Depression of a centrally loaded beam supported at its ends
	12.04.2019	Depression of uniformly loaded beam at its middle point
	13.04.2019	Stiffness of a beam
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	Shape of cross section after bending
	19.04.2019	Resilience
	20.04.2019	Test/Assignment
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	Revision,Doubts
	26.04.2019	
	27.04.2019	

	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms.Garima Sharma
Class & Section: B.Sc (Non Med) 2nd sem, Section A
Subject: Physics (Paper 1) Properties of Matter, Kinetics Theory And Relativity

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	Lec 1:Kinetic theory of gases: Introduction,Assumptions of kinetic theory of gases,Expression For Pressure of gas,Kinetic Interpretation of Temperature,Numericals Lec 2: Some useful Standard definite integrals,Phase space,Division of phase space into cells,Microstate and Macrostates, Postulates of Statistical Mechanics
	03.01.2019	Deduction of Maxwell-Boltzmann Velocity Distribution Law
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Lec 1: Deduction of Maxwell-Boltzmann Speed Distribution Law Lec 2: Discussion of Maxwell speed distribution law, Most Probable speed
	10.01.2019	Expression for Average or mean speed and root mean square speed,Relation between Cmax,Cmean and Crms, Maxwellian Energy-Wise Distribution
	11.01.2019	
	12.01.2019	
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	Lec 1: Experimental Verification of Maxwell Distribution law of speed

		Lec 2: Test/Assignment
	17.01.2019	Degree of freedom,Law of equipartition of Energy
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	**22.01.2019**	
	23.01.2019	Lec 1: Specific Heat of gases,Variation of Molar Specific heat of a diatomic gas with temperature Lec 2: Mean free path,Expression For Mean free path, Numericals
	24.01.2019	Transport Phenomenon,Transport of Momentum
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	Lec1: Test/Assignmemt Lec 2: Numerical,Transport phenomenon of Energy
	31.01.2019	Transport phenomenon of Mass,Numericals,Brownian motion
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	Lec 1: Deviation of Real gas behaviour from that of an ideal gas, vander wall's equation of state for real gases Lec2: Vander Wall's Isothermals,Explanation of deviation by Vander Wall's equation
	07.02.2019	Numerical,Revision
	08.02.2019	
	09.02.2019	

	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	Lec 1: Theory of Relativity:Introduction,Some important definitions Lec 2: Frame of refernce,Inertial frame of reference
	14.02.2019	Galilean Transformation
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	Lec 1: Galilean Invariance and Newtonian Relativity principle Lec 2: Test/Assignment
	21.02.2019	Conservation Laws according to Galilean's Transformation
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	Lec 1: The Michelson and Morley Experiment Lec 2: Special Theory of Relativity,The lorentz Transformation
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	
	02.03.2019	
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week	**05.03.2019**	
	06.03.2019	Lec 1: Relativity of Space(Length Contraction),Relativity of time(Time dilation)

10		Lec 2: Numericals,Twin paradox,Relativity of Simultaneity,Addition or Composition of Velocities
	07.03.2019	Realtivity of Mass(Variation of mass with velocity)
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	Lec 1: Mass energy equivalence,Significance of Mass-Energy Equivalence,Relation between Relativistic Momentum and Energy,Numericals Lec 2: Test/Assignment
	14.03.2019	Elasticity: Introduction,Stress and Strain,Hook's law,Stress-strain graph,Three types of Elasticity
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	Lec 1: Young's Modulus,Bulk modulus,Modulus of rigidity Lec 2: Poisson's Ratio, Numericals, Energy Strained bodies
	28.03.2019	Bulk modulus- Relation between Y,K and ¬
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	Lec 1: Modulus of rigidity- Relation between Y,n̰ and ¬ Lec2: Relation between the elastic constants, Limiting values of Poisson's ratio ,Torsion of Cylinder and Twisting couple
	04.04.2019	Bending of beam, Cantilever at free end
	05.04.2019	
	06.04.2019	

	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Lec1: Tranverse vibrations of a loaded cantiveler , Depression of a centrally loaded beam supported at its ends Lec2: Depression of uniformly loaded beam at its middle point
	11.04.2019	Stiffness of a beam
	12.04.2019	
	13.04.2019	
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	Shape of cross section after bending
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	Lec1: Resilience Lec2: Test/Assignment
	25.04.2019	Revision
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	Doubts

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Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor:Ms. DEEPIKA GAUR
Class & Section: B.SC (N.M) 4TH Sem/Sec-A&B
Subject: SEQUENCES AND SERIES

	Date	Topics to be covered
Week 1	01.01.2019	Introduction to infinite series, Theorems
	02.01.2019	Examples and exercise
	03.01.2019	Problems
	04.01.2019	Theorems and examples
	05.01.2019	Theorems and examples
	06.01.2019	**Sunday**
	07.01.2019	Exercise and problems
Week 2	08.01.2019	D'Alembert's ratio test,examples
	09.01.2019	Exercise and problems
	10.01.2019	Cauchy's root test, examples
	11.01.2019	Exercise and problems
	12.01.2019	Raabe's test, logarithmic test
	13.01.2019	**Sunday**
	14.01.2019	Exercise and Examples
Week 3	15.01.2019	Problems
	16.01.2019	De morgan's and Bertrand's test,exercise and examples
	17.01.2019	Gauss test,cauchy's integral test,Cauchy condensation test
	18.01.2019	Examples and exercise
	19.01.2019	Examples and exercise
	20.01.2019	**Sunday**
	21.01.2019	Problems
Week 4	22.01.2019	Test
	23.01.2019	Introduction to alternating series,leibnitz test
	24.01.2019	Examples and exercise
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**

	27.01.2019	**Sunday**
	28.01.2019	Examples and exercise
Week 5	**29.01.2019**	Problems
	30.01.2019	Introduction to arbitrary series, abel'stest ,drichlet's test
	31.01.2019	Examples and exercise
	01.02.2019	Parenthesis, examples and exercise
	02.02.2019	Riemann's theorem,examples
	03.02.2019	**Sunday**
	04.02.2019	Exercise and problems
Week 6	**05.02.2019**	Problems
	06.02.2019	Multiplication of series ,cauchy's theorem ,mertin;s theorem
	07.02.2019	*Cesaro,s theorem exercise and examples*
	08.02.2019	Problems
	09.02.2019	Test
	10.02.2019	**Sunday**
	11.02.2019	Introduction to topology of real numbers, definition
Week 7	**12.02.2019**	Examples and exercise
	13.02.2019	Examples and exercise
	14.02.2019	Definiation, and theorems problems
	15.02.2019	Problems Examples and exercise
	16.02.2019	Examples and exercise Theorems and definiation
	17.02.2019	**Sunday**
	18.02.2019	*problems Theorems and definiation*
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	Exercise and problems
	21.02.2019	Problems Theorems and examples ,
	22.02.2019	Exercise and problems
	23.02.2019	problems
	24.02.2019	**Sunday**
	25.02.2019	test
Week 9	**26.02.2019**	Introduction to sequences
	27.02.2019	*Definiation , theorems*
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Exercise and Examples
	02.03.2019	problems

	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Basic theorems on limit
	06.03.2019	Theorems , Monotonic sequences ,theorems
	07.03.2019	*Exercise and examples*
	08.03.2019	Monotonic sequences theorems
	09.03.2019	Exercise and examples
	10.03.2019	**Sunday**
	11.03.2019	problems
Week 11	**12.03.2019**	Exercise and examples
	13.03.2019	*problems* Subsequences,theorems
	14.03.2019	Subsequences theorems
	15.03.2019	theorems
	16.03.2019	problems
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Test/presentation
	26.03.2019	Introduction to infinite product
	27.03.2019	Definition and examples
	28.03.2019	Exercise
	29.03.2019	**problems**
	30.03.2019	ProblemsTheorems for proving convergences of infinite products
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	Theorems for proving convergences of infinite product
	02.04.2019	Theorems and problemsExamples and exercise
	03.04.2019	Examples and exercise
	04.04.2019	Exercise and problems
	05.04.2019	**test**
	06.04.2019	test
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	revision
	09.04.2019	revision
	10.04.2019	Assignment of unit 1
	11.04.2019	Presentation
	12.04.2019	test

	13.04.2019	Assignment of unit 2
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	presentation
	16.04.2019	Test
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	Assignment of unit 3
	19.04.2019	presentation
	20.04.2019	presentation
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	test
	23.04.2019	Assignment of unit 4
	24.04.2019	presentation
	25.04.2019	Test
	26.04.2019	revision
	27.04.2019	revision
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	revision
	30.04.2019	Test of unit 1,2,3,4

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Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor :Ms. Deepika Gaur
Class & Section: B.Sc(N.M) 2nd Sem
Subject:Number Theory & Trigonometry

	Date	Topics to be covered
Week 1	01.01.2019	Introduction of divisibility, Theorems
	02.01.2019	Exercise and examples
	03.01.2019	Problems discussion
	04.01.2019	Theorems on G.C.D and L.C.M
	05.01.2019	Examples and exercise
	06.01.2019	**Sunday**
	07.01.2019	Problems discussion
Week 2	08.01.2019	*Theorems on prime numbers*
	09.01.2019	Examples and exercise
	10.01.2019	Problems discussion
	11.01.2019	Introduction to congruences, theorems
	12.01.2019	Examples and exercise
	13.01.2019	**Sunday**
	14.01.2019	Problems discussion
Week 3	15.01.2019	*Theorems on Linear congruences*
	16.01.2019	Examples and exercise
	17.01.2019	Problems discussion
	18.01.2019	Theorems on linear Diophantine equation,
	19.01.2019	Examples and exercise
	20.01.2019	**Sunday**
	21.01.2019	Problems discussion
Week 4	22.01.2019	Introduction to Euler's function and residue system
	23.01.2019	Theorems and Exercise
	24.01.2019	Problems Discussion
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**

	28.01.2019	Test of Divisibility and Congruences
Week 5	**29.01.2019**	Theorems on Residue, Examples
	30.01.2019	Exercise and Problems
	31.01.2019	Intoduction to some functions of Number Theory, Theorems
	01.02.2019	Examples and exercise
	02.02.2019	Problems Discussion
	03.02.2019	**Sunday**
	04.02.2019	Theorems and exercise
Week 6	**05.02.2019**	Problems Discussion
	06.02.2019	Theorems on mobius inversion formula, Examples
	07.02.2019	Exercise and problems
	08.02.2019	Test
	09.02.2019	De moivre's theorems
	10.02.2019	**Sunday**
	11.02.2019	Examples and exercise
Week 7	**12.02.2019**	Exerciseand problems
	13.02.2019	Roots of complex number, examples and exercise
	14.02.2019	Problems Discussion
	15.02.2019	Solution of equation, examples and exercise
	16.02.2019	Problems discussion
	17.02.2019	**Sunday**
	18.02.2019	*Examples and exercise*
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	Problems Discussion
	21.02.2019	Formation of equation, examples and exercise
	22.02.2019	Problems discussion
	23.02.2019	Examples and exercise
	24.02.2019	**Sunday**
	25.02.2019	Problems Discussion
Week 9	**26.02.2019**	Test /presentation
	27.02.2019	Introduction to circular function
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	Examples and Exercise
	02.03.2019	Problems Discussion
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**

Week 10	**05.03.2019**	Trigonometric formulae, exercise and examples
	06.03.2019	Problems discussion
	07.03.2019	Introduction to logarithms, examples and exercise
	08.03.2019	Problems discussion
	09.03.2019	Exponential function,examples
	10.03.2019	**Sunday**
	11.03.2019	Exercise and problems
Week 11	**12.03.2019**	Introduction to inverse circular and hyperbolic function
	13.03.2019	*Examples and exercise*
	14.03.2019	Exercise and problems
	15.03.2019	Principle value and genral value,examples and exercise
	16.03.2019	Problems Discussion
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Inverse hyperbolic function examples and exercise
	26.03.2019	Problems discussion
	27.03.2019	Gregory's series,examples and exercise
	28.03.2019	Problems discussion
	29.03.2019	Test
	30.03.2019	Introduction to fermat theorem examples and exercise
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	Problems Discussion
	02.04.2019	Willson theorems, examples and exercise
	03.04.2019	Chinese remainder theorem, examples
	04.04.2019	Exercise and problems
	05.04.2019	Test
	06.04.2019	Introduction to hyperbolic function,exercise and examples
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Problems discussion
	09.04.2019	Separation of circular and hyperbolic function,examples and exercise
	10.04.2019	Exercise and problems
	11.04.2019	Summatiomn of series, examples
	12.04.2019	Exercise and problems
	13.04.2019	Differences method,examples and exercise
	14.04.2019	**Sunday**
Week	**15.04.2019**	Problems Discussion

15	**16.04.2019**	Examples and exercise
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	Problems series depend on exponential and logarithm function
	19.04.2019	Exercise and problems
	20.04.2019	Quadratic residue, examples and exercise
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Legendre symbols,gauss lemma, exercise and examples
	23.04.2019	Problems discussion
	24.04.2019	Assignment and revision
	25.04.2019	Test of unit1,2
	26.04.2019	Revision
	27.04.2019	Test of unit3,4
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	Revision
	30.04.2019	Revision

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Lesson plan (Jan-Apr 2019)

Name of Asst Professor: Ms. Reeta Kumari
Class & Section: B.Sc.(N.M) 2nd sem , Sec-B
Subject: EMI And Electronic Devices

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	Introduction About EMI
	03.01.2019	
	04.01.2019	Growth and decay of current in LR ckt
	05.01.2019	**Charging & discharging of capacitor through inductance only**
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	Growth and decay of current in RC ckt
	10.01.2019	
	11.01.2019	Numerical and revision
	12.01.2019	**LCR ckt**
	13.01.2019	**Sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	LCR continue
	17.01.2019	
	18.01.2019	Test
	19.01.2019	**AC cktanlysing using complex variable**
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	AC ckt with resistance only,capacitance only and inductance only
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	

Week 5	29.01.2019	
	30.01.2019	**AC ckt with R&C,ACckt with R&L**
	31.01.2019	
	01.02.2019	*AC ckt with LCR*
	02.02.2019	**Test**
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	05.02.2019	
	06.02.2019	*Series and Parallel resonant ckt*
	07.02.2019	
	08.02.2019	Quality Factoe (sharpness of resonance),numericals
	09.02.2019	**Assignment**
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	12.02.2019	
	13.02.2019	**Hall effect and numericals**
	14.02.2019	
	15.02.2019	Test
	16.02.2019	**PN junction diode,charactersticks**
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	19.02.2019	**Guru Ravidas Jayanti**
	20.02.2019	Ideal diode,Zener and avalanche break down,zener diode
	21.02.2019	
	22.02.2019	LED,photoconduction,photodiode,solar cell
	23.02.2019	**Test**
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	26.02.2019	
	27.02.2019	*Revision*
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	PN junction,half wave and full wave rectifier,bridge rectifier
	02.03.2019	**Types of filter circuit(L & PI ckt**
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week	05.03.2019	

10	**06.03.2019**	*Rcfilter,power supply*
	07.03.2019	
	08.03.2019	Assignment
	09.03.2019	**Transistor ,Bi polar transistor,numerical**
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	Transistor connections(C-B,C-E mode)
	14.03.2019	
	15.03.2019	Test
	16.03.2019	**C-C mode**
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	CRO
	28.03.2019	
	29.03.2019	**Constant of transistor,advantages of common base configuration**
	30.03.2019	Presentation
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	**Transistor biasing ,loadline,type of biasing ckt**
	04.04.2019	
	05.04.2019	**Emplifier,C-B emplifier**
	06.04.2019	C-E emplifier,coupling in emplifier
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	Rc coupled emplifier,feed back in emplifier
	11.04.2019	
	12.04.2019	**Test**
	13.04.2019	Class presentation
	14.04.2019	**Sunday**
Week	**15.04.2019**	

15	**16.04.2019**	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	
	19.04.2019	**Distortion in emplifier**
	20.04.2019	**Emitter follower ckt**
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	Oscillator
	25.04.2019	
	26.04.2019	**Classification of oscillator,colpit and Hartley oscillator**
	27.04.2019	Revision
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

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Lesson plan (Jan-Apr 2019)

Name of Asst Professor: Ms Reeta Kumari
Class & Section: B.Sc.(N.M) 2nd sem , Sec-A
Subject: EMI And Electronic Devices

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	Introduction About EMI
	04.01.2019	Growth and decay of current in LR ckt
	05.01.2019	**Charging & discharging of capacitor through inductance only**
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	Growth and decay of current in RC ckt
	11.01.2019	Numerical and revision
	12.01.2019	**LCR ckt**
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	LCR continue
	18.01.2019	Test
	19.01.2019	**AC cktanlysing using complex variable**
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	AC ckt with resistance only,capacitance only and inductance only
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**

	28.01.2019	
Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	**AC ckt with R&C,ACckt with R&L**
	01.02.2019	*AC ckt with LCR*
	02.02.2019	**Test**
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	*Series and Parallel resonant ckt*
	08.02.2019	Quality Factoe (sharpness of resonance),numericals
	09.02.2019	**Assignment**
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	**Hall effect and numericals**
	15.02.2019	Test
	16.02.2019	**PN junction diode,charactersticks**
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	Ideal diode,Zener and avalanche break down,zener diode
	22.02.2019	LED,photoconduction,photodiode,solar cell
	23.02.2019	**Test**
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	PN junction,half wave and full wave rectifier,bridge rectifier
	02.03.2019	**Types of filter circuit(L & PI ckt**
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**

Week 10	**05.03.2019**	
	06.03.2019	
	07.03.2019	*Rcfilter,power supply*
	08.03.2019	Assignment
	09.03.2019	**Transistor ,Bi polar transistor,numerical**
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	Transistor connections(C-B,C-E mode)
	15.03.2019	Test
	16.03.2019	**C-C mode**
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	CRO
	29.03.2019	**Constant of transistor,advantages of common base configuration**
	30.03.2019	Presentation
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	**Transistor biasing ,loadline,type of biasing ckt**
	05.04.2019	**Emplifier,C-B emplifier**
	06.04.2019	C-E emplifier,coupling in emplifier
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	Rc coupled emplifier,feed back in emplifier
	12.04.2019	**Test**
	13.04.2019	Class presentation
	14.04.2019	**Sunday**

Week 15	**15.04.2019**	
	16.04.2019	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	**Distortion in emplifier**
	19.04.2019	**Emitter follower ckt**
	20.04.2019	Test
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	Oscillator
	26.04.2019	**Classification of oscillator,colpit and Hartley oscillator**
	27.04.2019	Revision
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms. Sadhana Gupta
Class & Section: B.Sc 1st year (2nd sem)
Subject: Vector Calculus

	Date	Topics to be covered
Week 1	01.01.2019	Introduction to syllabus and examination scheme
	02.01.2019	
	03.01.2019	
	04.01.2019	
	05.01.2019	
	06.01.2019	**Sunday**
	07.01.2019	Multiple products of vectors :- o Scalar product of three vectors o Vector product of three vectors Contd…..
	08.01.2019	
	09.01.2019	
	10.01.2019	
	11.01.2019	
	12.01.2019	
	13.01.2019	**Sunday**
	14.01.2019	Multiple products of vectors :- o Scalar product of three vectors o Vector product of three vectors o Reciprocal of vectors
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	
	18.01.2019	
	19.01.2019	
	20.01.2019	**Sunday**
	21.01.2019	Differentiation of vectors:- o Vector differentiation o Scalar valued point function o Vector valued point function o Derivative along the curve o Directional derivatives
Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	Gradient :

Week 5	**29.01.2019**	○ Gradient of scalar point function ○ Geometrical interpretation of grad Ø ○ Characteristics of gradients as a vector point function
	30.01.2019	
	31.01.2019	
	01.02.2019	
	02.02.2019	
	03.02.2019	**Sunday**
	04.02.2019	Divergence : ○ Divergence of vector point function ○ Characteristics of div f Curl : ○ Curl of vector point function ○ Characteristics of curl f
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	
	08.02.2019	
	09.02.2019	
	10.02.2019	**Sunday**
	11.02.2019	Gradient, divergence and curl : ○ Gradient, divergence, and curl of sum and product ○ Related vector identities of gradient, divergence and curl ○ Laplacian operator
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	
	15.02.2019	
	16.02.2019	
	17.02.2019	**Sunday**
	18.02.2019	Curvilinear co-ordinates: ○ Orthogonal curvilinear co-ordinates Contd….
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	Curvilinear co-ordinates: ○ Orthogonal curvilinear co-ordinates ○ Condition for orthogonality ○ Fundamental triad of mutualy orthogonal unit vectors Contd……
	21.02.2019	
	22.02.2019	
	23.02.2019	
	24.02.2019	**Sunday**
	25.02.2019	Curvillinear Co-ordinates (Contd…) ○ Gradient divergence, curl and laplacian operators in terms of orthogonal curviliniear co-ordinates
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi DayanandSaraswatiJayanti**
	01.03.2019	○ Gradient divergence, curl and laplacian operators in terms of cylindrical co-ordinates ○ Gradient divergence, curl and laplacian operators in terms of Spherical co-ordinates
	02.03.2019	

	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Vector Integration : ○ Vector integral ○ Line integral Contd…
	06.03.2019	
	07.03.2019	
	08.03.2019	
	09.03.2019	
	10.03.2019	**Sunday**
	11.03.2019	Vector Integration (contd…) : ○ Surface integral ○ Volume integral
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	
	15.03.2019	
	16.03.2019	
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Gauss Theorem : ○ Gauss Theorem ○ Problems based on Gauss theorem ○ Revision ○ Test
	26.03.2019	
	27.03.2019	
	28.03.2019	
	29.03.2019	
	30.03.2019	
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	Green's theorem: ○ Green's theorem ○ Problem based on Green's theorem ○ Revision ○ Test
	02.04.2019	
	03.04.2019	
	04.04.2019	
	05.04.2019	
	06.04.2019	
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Strokes theorem: ○ Strokes theorem ○ Problem based on strokes theorem ○ Revision ○ Test
	09.04.2019	
	10.04.2019	
	11.04.2019	
	12.04.2019	
	13.04.2019	

	14.04.2019	**Sunday**
Week 15	**15.04.2019**	○ Revision ○ Test
	16.04.2019	
	17.04.2019	**MahaveerJayanti**
	18.04.2019	○ Revision ○ Test
	19.04.2019	
	20.04.2019	
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	○ Revision ○ Test
	23.04.2019	
	24.04.2019	
	25.04.2019	
	26.04.2019	
	27.04.2019	
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	○ Revision ○ Test
	30.04.2019	

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

Name of Asst/Associate Professor : Ms. Sadhana Gupta
Class & Section: B.Sc 2nd year (4thsem)
Subject: programming in C and numerical methods

	Date	Topics to be covered
Week 1	01.01.2019	Introduction to syllabus and examination scheme
	02.01.2019	Programmer model of computer algorithms
	03.01.2019	Programmer model of computer algorithms
	04.01.2019	Flowcharts data types
	05.01.2019	Operators and expression
	06.01.2019	**Sunday**
	07.01.2019	Input output functions
Week 2	08.01.2019	Printf functions
	09.01.2019	Scanf functions
	10.01.2019	Library functions
	11.01.2019	Decision control structure (contd..)
	12.01.2019	Implementation of loops
	13.01.2019	**sunday**
	14.01.2019	while loop
Week 3	15.01.2019	Do..while loop
	16.01.2019	For loop
	17.01.2019	Break statement
	18.01.2019	Continui statement
	19.01.2019	Exit () function
	20.01.2019	**Sunday**
	21.01.2019	Functions:
Week 4	22.01.2019	Advantages of functions
	23.01.2019	Function
	24.01.2019	Function definition
	25.01.2019	**Sir Chottu Ram Jayanti**

	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	Function call
Week 5	**29.01.2019**	Function declaration
	30.01.2019	Revision
	31.01.2019	Test
	01.02.2019	Return statement
	02.02.2019	Local and global variables
	03.02.2019	**Sunday**
	04.02.2019	Arrays:
Week 6	**05.02.2019**	One dimensional array
	06.02.2019	Two dimensional array
	07.02.2019	Multi- dimensional array
	08.02.2019	Passing array to functions
	09.02.2019	Passing array to functions
	10.02.2019	**Sunday**
	11.02.2019	Revision
Week 7	**12.02.2019**	Revision
	13.02.2019	C preprocessors:
	14.02.2019	File inclusion directives
	15.02.2019	Macro substitution directives
	16.02.2019	Compiler control directives
	17.02.2019	**Sunday**
	18.02.2019	Stringizing operator
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	Revision
	21.02.2019	Token passing operator
	22.02.2019	Strings:
	23.02.2019	Character data type
	24.02.2019	**Sunday**
	25.02.2019	Standard string handling functions
Week 9	**26.02.2019**	Revision
	27.02.2019	Test
	28.02.2019	**Maharishi DayanandSaraswatiJayanti**
	01.03.2019	Structure:
	02.03.2019	Definition

	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Definition
	06.03.2019	Use of structure in array
	07.03.2019	Use of structure in array
	08.03.2019	Use of array in structure
	09.03.2019	revision
	10.03.2019	**Sunday**
	11.03.2019	Pointers:
Week 11	**12.03.2019**	Pointer data type
	13.03.2019	Pointers and array
	14.03.2019	Pointers and functions
	15.03.2019	Pointers and functions
	16.03.2019	Pointers and functions
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Solution of algebraic and transcedentel equations:
	26.03.2019	Bisection methods
	27.03.2019	Regula-falsi method
	28.03.2019	Secant method
	29.03.2019	Revision of all methods
	30.03.2019	Newton-raphson method
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	Newton ‘s iterative method for finding pth root of a number
	02.04.2019	Order of conversion of all above methods
	03.04.2019	Revision
	04.04.2019	Test
	05.04.2019	Simultaneous linear algebric
	06.04.2019	Gauss elimination method
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Gauss elimination method
	09.04.2019	Gauss Jordan method
	10.04.2019	Gauss Jordan method
	11.04.2019	Triangularization method
	12.04.2019	revision
	13.04.2019	Crout’s methods

	14.04.2019	**Sunday**
Week 15	**15.04.2019**	Conti……
	16.04.2019	Revision
	17.04.2019	**MahaveerJayanti**
	18.04.2019	Simultaneous linear algebraic :
	19.04.2019	Decomposition method
	20.04.2019	Decomposition method
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Iterative method
	23.04.2019	Iterative method
	24.04.2019	Jacobi's method
	25.04.2019	Revision
	26.04.2019	Gauss -seidi method
	27.04.2019	Relaxation method
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	Revision
	30.04.2019	test

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

Name of Asst/Associate Professor : Ms. Sadhana Gupta
Class & Section: B.SC 2nd year (4thsem)
Subject: programming in C and numerical methods

	Date	Topics to be covered
Week 1	01.01.2019	Introduction to syllabus and examination scheme
	02.01.2019	Programmer model of computer algorithms
	03.01.2019	Programmer model of computer algorithms
	04.01.2019	Flowcharts data types
	05.01.2019	Operators and expression
	06.01.2019	**Sunday**
	07.01.2019	Input output functions
Week 2	08.01.2019	Printf functions
	09.01.2019	Scanf functions
	10.01.2019	Library functions
	11.01.2019	Decision control structure (contd..)
	12.01.2019	Implementation of loops
	13.01.2019	**sunday**
	14.01.2019	while loop
Week 3	15.01.2019	Do..while loop
	16.01.2019	For loop
	17.01.2019	Break statement
	18.01.2019	Continui statement
	19.01.2019	Exit () function
	20.01.2019	**Sunday**
	21.01.2019	Functions:
Week 4	22.01.2019	Advantages of functions
	23.01.2019	Function
	24.01.2019	Function definition
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**

	27.01.2019	**Sunday**
	28.01.2019	Function call
Week 5	**29.01.2019**	Function declaration
	30.01.2019	Revision
	31.01.2019	Test
	01.02.2019	Return statement
	02.02.2019	Local and global variables
	03.02.2019	**Sunday**
	04.02.2019	Arrays:
Week 6	**05.02.2019**	One dimensional array
	06.02.2019	Two dimensional array
	07.02.2019	Multi- dimensional array
	08.02.2019	Passing array to functions
	09.02.2019	Passing array to functions
	10.02.2019	**Sunday**
	11.02.2019	Revision
Week 7	**12.02.2019**	Revision
	13.02.2019	C preprocessors:
	14.02.2019	File inclusion directives
	15.02.2019	Macro substitution directives
	16.02.2019	Compiler control directives
	17.02.2019	**Sunday**
	18.02.2019	Stringizing operator
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	Revision
	21.02.2019	Token passing operator
	22.02.2019	Strings:
	23.02.2019	Character data type
	24.02.2019	**Sunday**
	25.02.2019	Standard string handling functions
Week 9	**26.02.2019**	Revision
	27.02.2019	Test
	28.02.2019	**Maharishi DayanandSaraswatiJayanti**
	01.03.2019	Structure:
	02.03.2019	Definition
	03.03.2019	**Sunday**

	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Definition
	06.03.2019	Use of structure in array
	07.03.2019	Use of structure in array
	08.03.2019	Use of array in structure
	09.03.2019	revision
	10.03.2019	**Sunday**
	11.03.2019	Pointers:
Week 11	**12.03.2019**	Pointer data type
	13.03.2019	Pointers and array
	14.03.2019	Pointers and functions
	15.03.2019	Pointers and functions
	16.03.2019	Pointers and functions
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Solution of algebraic and transcedentel equations:
	26.03.2019	Bisection methods
	27.03.2019	Regula-falsi method
	28.03.2019	Secant method
	29.03.2019	Revision of all methods
	30.03.2019	Newton-raphson method
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	Newton ‘s iterative method for finding pth root of a number
	02.04.2019	Order of conversion of all above methods
	03.04.2019	Revision
	04.04.2019	Test
	05.04.2019	Simultaneous linear algebric
	06.04.2019	Gauss elimination method
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Gauss elimination method
	09.04.2019	Gauss Jordan method
	10.04.2019	Gauss Jordan method
	11.04.2019	Triangularization method
	12.04.2019	revision
	13.04.2019	Crout’s methods
	14.04.2019	**Sunday**

Week 15	**15.04.2019**	Conti……
	16.04.2019	Revision
	17.04.2019	**MahaveerJayanti**
	18.04.2019	Simultaneous linear algebraic :
	19.04.2019	Decomposition method
	20.04.2019	Decomposition method
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Iterative method
	23.04.2019	Iterative method
	24.04.2019	Jacobi's method
	25.04.2019	Revision
	26.04.2019	Gauss -seidi method
	27.04.2019	Relaxation method
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	Revision
	30.04.2019	test

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst Professor: Ms Reeta Kumari
Class & Section: B.Sc.(N.M) 2nd sem , Sec-A
Subject: EMI And Electronic Devices

	Date	Topics to be covered
Week 1	01.01.2019	
	02.01.2019	
	03.01.2019	Introduction About EMI
	04.01.2019	Growth and decay of current in LR ckt
	05.01.2019	**Charging & discharging of capacitor through inductance only**
	06.01.2019	**Sunday**
	07.01.2019	
Week 2	08.01.2019	
	09.01.2019	
	10.01.2019	Growth and decay of current in RC ckt
	11.01.2019	Numerical and revision
	12.01.2019	**LCR ckt**
	13.01.2019	**sunday**
	14.01.2019	
Week 3	15.01.2019	
	16.01.2019	
	17.01.2019	LCR continue
	18.01.2019	Test
	19.01.2019	**AC cktanlysing using complex variable**
	20.01.2019	**Sunday**
	21.01.2019	
Week 4	22.01.2019	
	23.01.2019	
	24.01.2019	AC ckt with resistance only,capacitance only and inductance only
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	

Week 5	**29.01.2019**	
	30.01.2019	
	31.01.2019	**AC ckt with R&C,ACckt with R&L**
	01.02.2019	*AC ckt with LCR*
	02.02.2019	**Test**
	03.02.2019	**Sunday**
	04.02.2019	
Week 6	**05.02.2019**	
	06.02.2019	
	07.02.2019	*Series and Parallel resonant ckt*
	08.02.2019	Quality Factoe (sharpness of resonance),numericals
	09.02.2019	**Assignment**
	10.02.2019	**Sunday**
	11.02.2019	
Week 7	**12.02.2019**	
	13.02.2019	
	14.02.2019	**Hall effect and numericals**
	15.02.2019	Test
	16.02.2019	**PN junction diode,charactersticks**
	17.02.2019	**Sunday**
	18.02.2019	
Week 8	**19.02.2019**	**Guru Ravidas Jayanti**
	20.02.2019	
	21.02.2019	Ideal diode,Zener and avalanche break down,zener diode
	22.02.2019	LED,photoconduction,photodiode,solar cell
	23.02.2019	**Test**
	24.02.2019	**Sunday**
	25.02.2019	
Week 9	**26.02.2019**	
	27.02.2019	
	28.02.2019	**Maharishi Dayanand Saraswati Jayanti**
	01.03.2019	PN junction,half wave and full wave rectifier,bridge rectifier
	02.03.2019	**Types of filter circuit(L & PI ckt**
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week	**05.03.2019**	

10	**06.03.2019**	
	07.03.2019	*Rcfilter,power supply*
	08.03.2019	Assignment
	09.03.2019	**Transistor ,Bi polar transistor,numerical**
	10.03.2019	**Sunday**
	11.03.2019	
Week 11	**12.03.2019**	
	13.03.2019	
	14.03.2019	Transistor connections(C-B,C-E mode)
	15.03.2019	Test
	16.03.2019	**C-C mode**
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	
	26.03.2019	
	27.03.2019	
	28.03.2019	CRO
	29.03.2019	**Constant of transistor,advantages of common base configuration**
	30.03.2019	Presentation
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	
	02.04.2019	
	03.04.2019	
	04.04.2019	**Transistor biasing ,loadline,type of biasing ckt**
	05.04.2019	**Emplifier,C-B emplifier**
	06.04.2019	C-E emplifier,coupling in emplifier
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	
	09.04.2019	
	10.04.2019	
	11.04.2019	Rc coupled emplifier,feed back in emplifier
	12.04.2019	**Test**
	13.04.2019	Class presentation
	14.04.2019	**Sunday**
Week	**15.04.2019**	

15	**16.04.2019**	
	17.04.2019	**Mahaveer Jayanti**
	18.04.2019	**Distortion in emplifier**
	19.04.2019	**Emitter follower ckt**
	20.04.2019	Test
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	
	23.04.2019	
	24.04.2019	
	25.04.2019	Oscillator
	26.04.2019	**Classification of oscillator,colpit and Hartley oscillator**
	27.04.2019	Revision
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	
	30.04.2019	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Jan-Apr 2019)

Name of Asst/Associate Professor : Ms Manisha Suri
Class & Section: B.Sc(non-medical) IIIrd year Sec-A&B
Subject: Linear Algebra

	Date	Topics to be covered
Week 1	01.01.2019	*Introduction to Vector space*
	02.01.2019	Properties of Vector Space
	03.01.2019	Example and Exercise problems
	04.01.2019	Doubt class
	05.01.2019.	**Subspace and theorems based on it**
	06.01.2019	**Sunday**
	07.01.2019	Example and Exercise questions
Week 2	08.01.2019	*Doubt class*
	09.01.2019	Linear dependence and Independence of verctors
	10.01.2019	Theorems of L.I and Independence
	11.01.2019	Examples and Exercise problems
	12.01.2019.	**Finetely generated vector space and theorems based on it**
	13.01.2019	**sunday**
	14.01.2019	**Examples and Exercise problems**
Week 3	15.01.2019	*Doubt class*
	16.01.2019	Basis of Vector Space
	17.01.2019	Maximal L.I set and minimal generating set
	18.01.2019	Example and Exercise problems
	19.01.2019.	**Theorems**
	20.01.2019	**Sunday**
	21.01.2019	Identical space and theorems
Week 4	22.01.2019	**Examples and Exercise problems**
	23.01.2019	Introduction to quotient space
	24.01.2019	Examples and Exercise problems
	25.01.2019	**Sir Chottu Ram Jayanti**
	26.01.2019	**Republic day**
	27.01.2019	**Sunday**
	28.01.2019	*Test of ch-1*
Week 5	29.01.2019	**Introduction to linear transformation**

	30.01.2019	Vector space isomorphism
	31.01.2019	**Examples And Exercise questions**
	01.02.2019	*To find linear transformation*
	02.02.2019	**Example and Exercise problems**
	03.02.2019	**Sunday**
	04.02.2019	*Doubt class*
Week 6	**05.02.2019**	**Introduction to rank and nullity**
	06.02.2019	*Theorems based on it*
	07.02.2019	*Examples and Exercise problems*
	08.02.2019	Algebra of linear transformation
	09.02.2019	**Examples and Exercise problems**
	10.02.2019	**Sunday**
	11.02.2019	**Singular and non singular transformation**
Week 7	**12.02.2019**	*Theorems based on it*
	13.02.2019	Example and Exercise problems
	14.02.2019.	**Doubt class**
	15.02.2019	Invertible linear transformation
	16.02.2019	**Example and Exercise problems**
	17.02.2019	**Sunday**
	18.02.2019	*Theorems based on it*
Week 8	**19.02.2019**	**Guru RavidasJayanti**
	20.02.2019	Change of basis
	21.02.2019	Rank Nullity theorem
	22.02.2019	Example and Exercise problems
	23.02.2019	**Doubt class**
	24.02.2019	**Sunday**
	25.02.2019	**Test**
Week 9	**26.02.2019**	Introduction to Dual space
	27.02.2019	*Theorems based on it*
	28.02.2019	**Maharishi DayanandSaraswatiJayanti**
	01.03.2019	Examples and Exercise based on it
	02.03.2019	**Bidual or double dual space**
	03.03.2019	**Sunday**
	04.03.2019	**Shivratri**
Week 10	**05.03.2019**	Theorems based on it
	06.03.2019	Theorems

	07.03.2019	*Examples and Exercise problems*
	08.03.2019	Doubt class
	09.03.2019	**Revision of dual space**
	10.03.2019	**Sunday**
	11.03.2019	Test
Week 11	**12.03.2019**	Introduction to eigenvalues and eigen vectors
	13.03.2019	*Theorems*
	14.03.2019	Examples and Exercise problems
	15.03.2019	Diagonalization
	16.03.2019	**Examples and Exercise problems**
	17.03.2019	**Sunday**
		Holi Vacations 17.03.19-24.03.2019
Week 12	**25.03.2019**	Minimal polynomial
	26.03.2019	Theorems based on it
	27.03.2019	Example and Exercise problems
	28.03.2019	Doubts class
	29.03.2019	**Examples and Exercise problems**
	30.03.2019	Theorems
	31.03.2019	**Sunday**
Week 13	**01.04.2019**	**Revision of eigenvalues and eigen vectors**
	02.04.2019	Introduction to inner product space
	03.04.2019	Theorems based on it
	04.04.2019	Norms and related theorems
	05.04.2019	**Theorem and Example**
	06.04.2019	Exercise problems
	07.04.2019	**Sunday**
Week 14	**08.04.2019**	Doubt class
	09.04.2019	**Normed linear space**
	10.04.2019	Examples and Exercise problems
	11.04.2019	Bessel's inequality
	12.04.2019	**Example and Exercise questions**
	13.04.2019	Theorems
	14.04.2019	**Sunday**
Week 15	**15.04.2019**	**Revision of ch-10**
	16.04.2019	Introduction to linear operation on inner product space
	17.04.2019	**MahaveerJayanti**

	18.04.2019	**Theorems based on it**
	19.04.2019	**Example and Exercise problems**
	20.04.2019	Doubts class
	21.04.2019	**Sunday**
Week 16	**22.04.2019**	Self adjoint operator theorems
	23.04.2019	**Exercise 11.1**
	24.04.2019	Doubt class
	25.04.2019	Revisionof ch-11
	26.04.2019	**Test of ch-10**
	27.04.2019	Test of ch-11
	28.04.2019	**Sunday**
Week 17	**29.04.2019**	**Revision of unit -1**
	30.04.2019	**Revision of unit -2**