LESSON PLANS

Department of Science

B.Sc.-Med/Non-Med/Bio-Tech/

M.Sc. (Maths)/M.SC.(Chem)

Oct 2021-feb 2022

Department of Science

B.Sc.-Med/Non-Med/Bio-Tech/M.Sc.

(Maths)/M.SC.(Chem)

Oct 2021-feb 2022

S.No	NameofFaculty	Designation	CourseName	Course Code	Signature
1	Dr.MeenuDua	Associate Professor	• Physical Chemistry	CH 502	
2	Dr.SheelSingh	Associate Professor	• Plant Physiology(Botany)	BOT 5.1	
3	Dr.BeenaSethi	Associate Professor	• Inorganic Chemistry	CH501	
4	Dr.ShvetaArya	Assistant Professor	• Fish&Fisheries	P5.1	
5	Ms.Vandana Kumari	Assistant Professor	• Numerical analysis	12B M353	
6	Ms.RenuPandey	Assistant Professor	• Bioanalyticaltools • Cell biology • Genomics andproteomics	BT3 02B T10 3 BT504	

7	Dr.AnnuKalra	AssistantProfessor	• InorganicSpecial IInstrumental Techniques	17CHE23GA1	
8	Ms.Rajni	AssistantProfessor	• Organic ChemistryTheory	16CHE21C3	
9	Ms.Manisha	AssistantProfessor	• PhysicalChemistryTheory	16CHE21C2	
10	Dr.VandanaArora	AssistantProfessor	• Functional Analysis • FluidDynamics • O.D.E • Mathematical Statistics • Mathematics for economist	17MAT23C1 17MAT23C3 16MAT21C3 16MAT21C5 16ECO21C4	
11	Ms. Shilpa khetan	Assistant Professor	• Calculus • Statics • Groups and rings	12BSM112 12BSM233 12BSM352	
12	Dr.Radhika	Assistant Professor	• Diversity of microbes and cryptogames • Cell biology	1.1 1.2	

13	Dr.Jasvinder Kaur	AssistantProfessor	• Plant Diversity 1st • Plant diversity 2nd • Recomb.DNA technology	102 304 502	
14	Dr.MamtaSingh	AssistantProfessor	• Zoology-Life &Diversity. • Cell Biology	P1.1 P1.2	
15	Ms.Kajal	AssistantProfessor	• Inorganic Special3	17CHE23GA3	
16	Ms.SavitaNailwal	AssistantProfessor	• Ecology and evolution	5.2	
17	Ms.PoojaKhatana	Assistant Professor	• Inorganic Special2	17CHE23GA2	
18	Ms.Komal sharma	Assistant Professor	• PhysicalC hemistry • Inorganic chemistry	CH302,CH101	
19	Ms.Reeta Kumari	Assistant Professor	• Solid State Physics	PHY501	
20	Dr.Shipra RaniJha	Assistant Professor	• Plant anatomy	3.2	
21	Ms.KajalGaur	AssistantProfessor	• OrganicChemistry • Organic chemistry	CH103,CH303	
22	Ms.Anita	AssistantProfessor	• InorganicChemistry • PhysicalC hemistry	CH501,CH102	

23	Ms.Komal	AssistantProfessor	• Quantum Mechanics	PHY5 02	
24	Ms.JasvinderKaur	AssistantProfessor	• Thermodynamics • Mechanics • Electricity andMagnetism	PHY301 PHY1 01PH Y102	
25	Ms.Ranjana	Assistant Professor	• PhysicalC hemistry • Physical chemisry • Inorganic Chemistry • Inorganic chemistry • Physical chemistry	BT105,BT305,BT 307 BT 507 BT 505	
26	Ms. Pooja yadav	Assistant Professor	• Analytical number theory • Elementary topologoy • Abstract algebra • Real analysis	17MAT23DB1 17MAT23C2 16MAT21C1 12BSM351	
27	Ms. Sudha	Assistant Professor	• Inorganic chemistry • Organic chemistry • Inorganic chemistry • Organic chemistry • Organic chemistry	BT-106 BT-107 BT-307 BT-306 BT-506	
28	Ms. Indu	Assistant Professor	• Biology and diversity of seed plant-1	3.1	
29	Ms. Priyanka bhatia	Assistant Professor	• Inorganic chemistry • Organic chemistry	CH-301 CH-503	
30	Dr. Reeti panchal	Assistant Professor	• Life and diversity of chordates-1	3.1	
31	Ms. Manisha verma	Assistant Professor	• Organic chemistry • Organic chemistry	CH-503 CH-303	

32	Dr.NupurSrivastava	Assistant Professor	• Complex Analysis • Discrete mathematics • Mathematical analysis • Business mathematics	16MAT21C4 17MAT23DA1 16MAT21C5 BCH3.01	
33	Ms. Harshita	Assistant Professor	• Organic chemistry • Organic chemistry • Physical chemistry	CH-503 CH-303 CH-502	
34	Ms. Yogita	Assistant Professor	• Physical chemistry • Inorganic chemistry	CH-302 CH-301	
35	Ms. Savita rani	Assistant Professor	• Ecology	5.2	
36	Dr. Vandna	Assistant Professor	• Biochemistry • Medical microbiology • Immunology	104 301 503	
37	Dr. Preeti	Assistant Professor	• Biochemistry • Plant physiology • Bioinformatics	104 303 501	
38	Ms. Bharti	Assistant Professor	• Business Mathematics • Solid geometry • Algebra • PDE	BBAN-102 BM113 BM111 BM232	
39	Ms. Sonia Bisht	Assistant Professor	• Inorganic chemistry	16CHE21C1	
40	Ms. Sonia	Assistant Professor	• Real analysis • Advance calculus	12BSM351 12BSM231	
41	Ms. Komal Sharma (Guest Faculty)	Assistant Professor	• Optics -2	PHY302	
42	Dr. Brijbharti	Assistant Professor	• Mammalian physiology-1	3.2	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Meenu Dua

Class And Section: B.Sc (Non-Medical) 5th sem, Sec-A

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	**Spectroscopy-I** Electromagnetic radiation, regions of spectrum.
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	Basic features of spectroscopy, statement of Born -oppenheime r approximation, Degrees of freedom.
14-Oct-21	**Rota tional Spectrum** -Diatomic molecules. Energy levels of rigid rotator (semi-classical principles).
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Selection rules, spectral intensity distribution using population distribution (Maxwell-Boltzmann distribution).
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Determination of bond length, qualitative description of non-rigid

	rotor, isotope effect.
28-Oct-21	**Test.**
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	**Spec troscopy-II** **Vibrational spectrum-** Infrared spectrum: Energy levels of simple harmonic oscillator, selection rules.
11-Nov-21	Pure vibrational spectrum, intensity, determination of force constant and qualitative relation of force constant and bond energies.
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Effects of anharmonic motion and isotopic effect on the spectra., idea of vibrational frequencies of different functional groups.
18-Nov-21	**Test and Assignment.**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	**Raman Spectrum**: Concept of polarizibility, pure rotational and pure vibrational Raman spectra of diatomic molecules.
25-Nov-21	Selection rules, Quantum theory of Raman spectra.
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	

1-Dec-21	**Quantum Mec hanics-I** Black-body radiation.
2-Dec-21	Plank's radiation law.
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Photoelectric effect, Heat capacity of solids.
9-Dec-21	Compton effect, wave function and its significance.
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Postulates of quantum mechanics
16-Dec-21	Quantum mechanical operator, commutation relations, Hamiltonial operator.
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Hermitian operator, average value of square of Hermitian as a positive quantity, Role of operators in quantum mechanics.
23-Dec-21	To show quantum mechanically that position and momentum cannot be predicated simultaneously..
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	**Test and Assignment.**
30-Dec-21	Determination of wave function & energy of a particle in one dimensional box, Pictorial representation and its significance.
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	

5-Jan-22	**Physical Properties and Molecular Structure-** Optical activity, polarization – (Clausius – Mossotti equation).
6-Jan-22	Orientation of dipoles in an electric field , dipole moment.
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Measurement of dipole moment-temperaturemethod and refractivity method.
13-Jan-22	Dipole moment and structure of molecules.
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	Magnetic permeability, magnetic susceptibility and its determination.
20-Jan-22	Application of magnetic susceptibility, magnetic properties – paramagnetism, diamagnetism and ferromagnetics.
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**REVISION.**
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Meenu Dua

Class And Section: B.Sc(Non-Medical) 5th sem, Section-B

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	**Spectroscopy-I** Electromagnetic radiation, regions of spectrum.
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Basic features of spectroscopy, statement of Born -oppenheime r approximation, Degrees of freedom.
09-Oct-21	**Rota tional Spectrum** -Diatomic molecules. Energy levels of rigid rotator (semi-classical principles).
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	Selection rules, spectral intensity distribution using population distribution (Maxwell-Boltzmann distribution).
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	

20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	Determination of bond length, qualitative description of non-rigid rotor, isotope effect.
23-Oct-21	**Test.**
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	**Spec troscopy-II** **Vibrational spectrum-** Infrared spectrum: Energy levels of simple harmonic oscillator, selection rules.
30-Oct-21	Pure vibrational spectrum, intensity, determination of force constant and qualitative relation of force constant and bond energies.
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	Effects of anharmonic motion and isotopic effect on the spectra., idea of vibrational frequencies of different functional groups.
13-Nov-21	**Test and Assignment.**
14-Nov-21	**SUNDAY**

15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Raman Spectrum**: Concept of polarizibility, pure rotational and pure vibrational Raman spectra of diatomic molecules.
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	Selection rules, Quantum theory of Raman spectra.
27-Nov-21	**Quantum Mec hanics-I** Black-body radiation.
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	Plank's radiation law.
4-Dec-21	Photoelectric effect, Heat capacity of solids.
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	Compton effect, wave function and its significance.

11-Dec-21	Postulates of quantum mechanics.
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	Quantum mechanical operator, commutation relations, Hamiltonial operator**.**
18-Dec-21	Hermitian operator, average value of square of Hermitian as a positive quantity, Role of operators in quantum mechanics.
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	To show quantum mechanically that position and momentum cannot be predicated simultaneously.
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	Determination of wave function & energy of a particle in one dimensional box, Pictorial representation and its significance.
1-Jan-22	**Physical Properties and Molecular Structure-** Optical activity, polarization – (Clausius – Mossotti equation).
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	

5-Jan-22	
6-Jan-22	
7-Jan-22	Orientation o f d ipoles in an electric field , dipole moment.
8-Jan-22	**Test and Assignment.**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	Measurement of dipole moment-temperaturemethod and refrac tivity method.
15-Jan-22	Dipole moment and structure o f mole cule s.
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	Magnetic permeab ility, magnetic suscep tibility and i ts determination.
22-Jan-22	Application of ma gnetic susceptibility, magnetic properties – paramagnetism, diamagnetism and ferromagnetics.
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	**REVISION.**
29-Jan-22	**REVISION.**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. MeenuDua
Class And Section: B.Sc (Medical) 5th sem, Section-A
Subject: Physical Chemistry
Mode Of Teaching: Offline
Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Spectroscopy-I** Electromagneticradiation, regionsof spectrum.
05-Oct-21	Basicfeatures ofspectroscopy,statementofBorn - oppenheimerapproximation,Degreesoffreedom.
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	**RotationalSpectrum**-Diatomicmolecules.Energy levelsof rigid rotator (semi-classical principles).
12-Oct-21	Selectionrules,spectralintensitydistributionusingpopulationdistribution(Maxwell -Boltzmanndistribution).
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	**Determinationofbondlength,qualitativedescriptionofnon-rigid rotor,isotope effect.**
19-Oct-21	**Test.**
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	**Spec troscopy-II** **Vibrational spectrum-** Infraredspectrum:Energylevelsof simpleharmonic oscillator, selectionrules.
26-Oct-21	Purevibrationalspectrum,intensity,determinationofforceconstantandqualitative relationof forceconstantandbondenergies.

27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Effectsof anharmonicmotionandisotopiceffectonthespectra., ideaof vibrationalfrequenciesofdifferentfunctionalgroups.
09-Nov-21	**Test and Assignment.**
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**RamanSpectrum**- Concept of polarizibility, pure rotational and pure vibrational Raman spectra ofdiatomicmolecules.
16-Nov-21	**Selectionrules,Quantumtheoryof Ramanspectra.**
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	**QuantumMechanics-I** Black-bodyradiation and its spectral distribution.
23-Nov-21	Plank's radiationlaw.
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Photoelectric effect, Heatcapacityofsolids.
30-Nov-21	Compton effect, wavefunctionanditssignificance.

1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Postulatesofquantummechanics.
7-Dec-21	Quantummechanicaloperator commutation relations, Hamiltonialoperator.
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Hermitianoperator,Roleof operatorsin quantum mechanics.
14-Dec-21	Averagevalue ofsquareofHermitianasapositive quantity.
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	**Toshow quantum mechanically that position and momentum cannot bepredicatedsimultaneously.**
21-Dec-21	Determinationofwave function&energyofaparticleinonedimensionalbox, Pictorialrepresentationanditssignificance.
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**PhysicalPropertiesandMolecularStructure-Opticalactivity,polarization–(Clausius–Mossottiequation).**
28-Dec-21	**Orientation of dipolesinan electric field ,dipole moment.**
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	**Test and Assignment.**
4-Jan-22	Measurement ofdipole moment-temperaturemethodandrefractivity method.
5-Jan-22	

6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Dipolemomentand structure o fmolecules.
11-Jan-22	Magneticpermeability, magneticsusceptibilityanditsdetermination.
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Applicationofma gneticsusceptibility.
18-Jan-22	**Magnetic properties– paramagnetism,diamagnetismandferromagnetics and numerical problems.**
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**REVISION.**
25-Jan-22	**REVISION.**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Sheel Singh

Class And Section: Section A andB

Subject: Plant Physiology

Mode Of Teaching: Offline

Lectures Per Week:27

Date	Topic to be Covered
01-Oct-21	Orientation programme
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Properties of solution suspension and collides
05-Oct-21	Colloidal nature of Protoplasm
06-Oct-21	Permeability and theories of membrane permeability and factors
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Imbibition and diffusion
12-Oct-21	Imbibition pressure diffusion pressure and factors
13-Oct-21	Osmosis TP WP DPD water potential plasmolysis and deplasmolysis
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Test from the topics which Are taught
19-Oct-21	Absorption and transportation of water
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Ascent of Sap theories criticism and factors
26-Oct-21	Physiology of guard cells theories related to opening and closing of stomata
27-Oct-21	Absorption and transportation of minerals
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Update of mineral nutrition active and passive methods
09-Nov-21	Mineral nutrition macronutrients
10-Nov-21	Mineral nutrition , classification types and micronutrients
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Deficiencies symptoms occurrence and importance of of micronutrients
16-Nov-21	Deficiencies symptoms occurrence and importance of macronutrients to plants, theories related to translocation of organic solutes
17-Nov-21	Test of translocation and mineral nutrition
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Photosynthesis introduction and Basic concept
23-Nov-21	Photochemical reaction and light reaction
24-Nov-21	Z scheme and Photo phosphorylatation
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Dark reaction in photosynthesis
30-Nov-21	C3 C4 and C2 cycles
1-Dec-21	Factors affecting rate of photosynthesis
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Significance of photosynthesis and blackman's law of limiting factor
7-Dec-21	Revision of photosynthesis
8-Dec-21	Test related to photosynthesis
9-Dec-21	
10-Dec-21	
11-Dec-21	

12-Dec-21	**SUNDAY**
13-Dec-21	Growth and development in plants and growth regulators
14-Dec-21	Growth hormone gibberellin ,Its history and biosynthesis
15-Dec-21	Gibberellin , physiological role and its significance
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Class test from mineral and nutrition
21-Dec-21	Growth hormone cytokinin its history physiological role and significance
22-Dec-21	Growth hormone Abscisicacid and ethylene
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Class test from growth hormone
28-Dec-21	Physiology of flowering Vernalization its introduction and significance
29-Dec-21	Physiology of flowering Vernalization its introduction and significance
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Photoperiodism introduction photoperiodism
4-Jan-22	Photoperiodism short day, long day and day neutral plants
5-Jan-22	Photoperiodism role of phytochromeanthesin in and florigen
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Flowering Hormone and gibberellin
11-Jan-22	Comparisons between vernalisationphotoperiodism phototropism and different growth hormones
12-Jan-22	Introduction to dormancy and germination of seeds, quiescence and dormancy its difference and bud dormancy
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Methods of breaking seed dormancy, germination of seeds,
18-Jan-22	Physiology of seed germination and how translocation takes place
19-Jan-22	Plant Movement , types and differences
20-Jan-22	

21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Revision of unit 1 and 2
25-Jan-22	Revision of unit 3 and 4
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Class test of unit IV
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Beena Sethi

Class And Section: B. Sc Non- med & 5th Sem Sec- B

Subject: Inorganic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Metal ligand bonding, introduction
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	CFT
14-Oct-21	CFT for octahedral, tetrahedral
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	CFT for square planar, Factors affecting CFSE
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Test 1
28-Oct-21	Discussion of Test 1
29-Oct-21	
30-Oct-21	

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Magnetic Properties of transition metal complexes
11-Nov-21	Introduction and types of properties
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Methods to measure magnetic properties
18-Nov-21	Relation b/w magnetic susceptibility and magnetic moment
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	Orbital contribution and TIP
25-Nov-21	Test 2
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Discussion of test 2
2-Dec-21	Thermodynamic and kinetic aspects of metal complexes
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Factors affecting stability of complexes
9-Dec-21	Substitution reactions and rate law
10-Dec-21	
11-Dec-21	

12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Trans effect and theories of trans effect
16-Dec-21	Test 3
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Hard and soft acids and bases
23-Dec-21	Introduction and classification
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	Pearson's HSAB theory
30-Dec-21	Applications and limitations of HSAB principle
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Symbiosis
6-Jan-22	Theoretical basis of HSAB
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Electronegativity and HSAB
13-Jan-22	Test 4
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	Revision of metal ligand bonding
20-Jan-22	Revision of magnetic properties of transition metal complexes
21-Jan-22	
22-Jan-22	

23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Quiz on magnetic properties
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. BeenaSethi

Class And Section: B. Sc Medical & 5th Sem SEC- B

Subject: Inorganic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	Metal ligand bonding, introduction
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	CFT
12-Oct-21	CFT for octahedral, tetrahedral
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	CFT for square planar, Factors affecting CFSE
19-Oct-21	Test 1
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Discussion of Test 1
26-Oct-21	Magnetic Properties of transition metal complexes
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Introduction and types of properties
09-Nov-21	Methods to measure magnetic properties
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Relation b/w magnetic susceptibility and magnetic moment
16-Nov-21	Orbital contribution and TIP
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Test 2
23-Nov-21	Discussion of test 2
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Thermodynamic and kinetic aspects of metal complexes
30-Nov-21	Factors affecting stability of complexes
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Substitution reactions and rate law
7-Dec-21	Trans effect and theories of trans effect
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**

13-Dec-21	Test 3
14-Dec-21	Discussion of test 3
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Hard and soft acids and bases
21-Dec-21	Introduction and classification
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Pearson's HSAB theory
28-Dec-21	Applications and limitations of HSAB principle
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Symbiosis
4-Jan-22	Theoretical basis of HSAB
5-Jan-22	
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Electronegativity and HSAB
11-Jan-22	Test 4
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Revision of metal ligand bonding
18-Jan-22	Quiz of metal ligand bonding
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**

24-Jan-22	Revision of magnetic properties of transition metal complexes
25-Jan-22	Quiz on magnetic properties
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Beena Sethi

Class And Section: B. Sc Non- med & 5th Sem Sec- B

Subject: Inorganic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Metal ligand bonding, introduction
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	CFT
14-Oct-21	CFT for octahedral, tetrahedral
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	CFT for square planar, Factors affecting CFSE
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Test 1
28-Oct-21	Discussion of Test 1
29-Oct-21	
30-Oct-21	

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Magnetic Properties of transition metal complexes
11-Nov-21	Introduction and types of properties
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Methods to measure magnetic properties
18-Nov-21	Relation b/w magnetic susceptibility and magnetic moment
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	Orbital contribution and TIP
25-Nov-21	Test 2
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Discussion of test 2
2-Dec-21	Thermodynamic and kinetic aspects of metal complexes
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Factors affecting stability of complexes
9-Dec-21	Substitution reactions and rate law
10-Dec-21	
11-Dec-21	

12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Trans effect and theories of trans effect
16-Dec-21	Test 3
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Hard and soft acids and bases
23-Dec-21	Introduction and classification
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	Pearson's HSAB theory
30-Dec-21	Applications and limitations of HSAB principle
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Symbiosis
6-Jan-22	Theoretical basis of HSAB
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Electronegativity and HSAB
13-Jan-22	Test 4
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	Revision of metal ligand bonding
20-Jan-22	Revision of magnetic properties of transition metal complexes
21-Jan-22	
22-Jan-22	

23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Quiz on magnetic properties
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Assistant Professor: Dr.Shveta Arya
Class And Section: B.Sc.(Med)5 th sem, A&B
Subject: Fish & Fisheries (5.1)
Mode Of Teaching: Offline
Lectures Per Week: 27

Date	**Topic to be Covered**
01-Oct-21	Introduction to the syllabus and discussion about books
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Introduction to world fisheries:Production, utilization and demand
09-Oct-21	Introduction to Indian fisheries
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	-
14-Oct-21	EEZ Concept
15-Oct-21	**Dussehra**
16-Oct-21	Fresh Water fishes of India: River system-Ganga & Brahmaputra River System
17-Oct-21	**SUNDAY**
18-Oct-21	-
19-Oct-21	-
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	River systems: Indus, East coast, West coast River System
22-Oct-21	Reservoir fisheries
23-Oct-21	Cold water Fisheries
24-Oct-21	**SUNDAY**
25-Oct-21	-
26-Oct-21	-
27-Oct-21	-
28-Oct-21	
29-Oct-21	Assignment on Cold water fisheries
30-Oct-21	Tank fisheries, Captive and Culture fisheries
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	-
09-Nov-21	-
10-Nov-21	-
11-Nov-21	Fishing Gears: Hooks and Lines, Sienes, Cast net,Gill net
12-Nov-21	Purse net, Drag net, Dip net, Trawls, Electrical fishing
13-Nov-21	Fishing Crafts: Catamaran, Masula boat, Dinghi
14-Nov-21	**SUNDAY**
15-Nov-21	-
16-Nov-21	-
17-Nov-21	-
18-Nov-21	Fishing Crafts: Tuticorin boats, Canoes, Coracle, other boats
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Test of Fishing gears & crafts
21-Nov-21	**SUNDAY**
22-Nov-21	-
23-Nov-21	-
24-Nov-21	-
25-Nov-21	Crustaceans and their culture: Different types of Crustaceans used for culture
26-Nov-21	Prawn Culture
27-Nov-21	Molluscs and their Culture:Pearl Culture
28-Nov-21	**SUNDAY**
29-Nov-21	-
30-Nov-21	-
1-Dec-21	-
2-Dec-21	continued
3-Dec-21	Fin Fishes and their Culture
4-Dec-21	Test of Unit-I
5-Dec-21	**SUNDAY**
6-Dec-21	-
7-Dec-21	-
8-Dec-21	-
9-Dec-21	Seed production: Natural seed resources – its assessment, collection
10-Dec-21	continued
11-Dec-21	Hatchery production: Natural breeding: Different types of Bundhs
12-Dec-21	**SUNDAY**

13-Dec-21	-
14-Dec-21	-
15-Dec-21	-
16-Dec-21	Hatchery production: Hatching Hapas, Breeding Hapas
17-Dec-21	Induced breeding
18-Dec-21	continued
19-Dec-21	**SUNDAY**
20-Dec-21	-
21-Dec-21	-
22-Dec-21	-
23-Dec-21	Nutrition: Sources of food (Natural, Artificial) and feed composition (Calorie and Chemical ingredients).
24-Dec-21	Continued
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	-
28-Dec-21	-
29-Dec-21	-
30-Dec-21	Assignment on Hatchery production
31-Dec-21	Field Culture: Different types of Ponds: Nursery pond, Rearing Pond
1-Jan-22	Stocking Pond, Breeding Pond, Harvesting
2-Jan-22	**SUNDAY**
3-Jan-22	-
4-Jan-22	-
5-Jan-22	-
6-Jan-22	Running water culture
7-Jan-22	Cage culture,Polyculture
8-Jan-22	Recycled water culture
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	-
11-Jan-22	-
12-Jan-22	-
13-Jan-22	Test of Pond culture
14-Jan-22	Culture technology: Biotechnology, gene manipulation
15-Jan-22	continued
16-Jan-22	**SUNDAY**
17-Jan-22	-
18-Jan-22	-
19-Jan-22	-
20-Jan-22	Cryopreservation of gametes
21-Jan-22	Revision
22-Jan-22	Revision
23-Jan-22	**SUNDAY**

24-Jan-22	-
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: VANDANA KUMARI

Class And Section: B.Sc. 5th Semester, Section- A&B

Subject: NUMERICAL ANALYSIS

Mode Of Teaching: ONLINE & OFFLINE

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	WhatsApp group formation
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Verify all students had joined groups
05-Oct-21	Schedule meetings for orientation and given link to students
06-Oct-21	**Orientation**
07-Oct-21	**MAHARAJA AGRASEN JAYANTI**
08-Oct-21	Introduction of the Syllabus
09-Oct-21	Introduction to Finite Difference Operators and How to make Forward Difference tables and examples
10-Oct-21	**SUNDAY**
11-Oct-21	How to make Backward Difference tables and examples
12-Oct-21	Relation between Shift Operators, Forward Difference Operators, Backward Difference Operators and there properties
13-Oct-21	Some examples
14-Oct-21	Exercise
15-Oct-21	**DUSSEHRA**
16-Oct-21	Finding the missing Term and their examples
17-Oct-21	**SUNDAY**
18-Oct-21	Effect of error in difference tabular values
19-Oct-21	Examples

20-Oct-21	**MAHARISHI VALMIKI JAYANTI**
21-Oct-21	Introduction to Interpolation with equal intervals
22-Oct-21	Derivation of Newton's Gergory Forward interpolation formula
23-Oct-21	Examples, Exercise and problems
24-Oct-21	**SUNDAY**
25-Oct-21	Derivation of Newton's Gergory Backward interpolation formula
26-Oct-21	Examples, Exercise and problems
27-Oct-21	Subdivided intervals and their examples
28-Oct-21	Exercise
29-Oct-21	Doubts
30-Oct-21	Test
31-Oct-21	**SUNDAY**
01-Nov-21	**DIWALI BREAK**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Introduction to Interpolation with Unequal Intervals and Divided Differences
09-Nov-21	Derivation of Newton's Divided Difference Interpolation Formula and few theorems
10-Nov-21	Examples
11-Nov-21	Exercise
12-Nov-21	Derivation Lagrange's interpolation Formula
13-Nov-21	Examples, Exercise and problems
14-Nov-21	**SUNDAY**
15-Nov-21	Derivation of Hermite's interpolation Formula
16-Nov-21	Examples, Exercise and problems
17-Nov-21	Introduction to Central Differences

18-Nov-21	Derivation of Gauss's Forward interpolation Formula
19-Nov-21	**GURU NANAK DEV JAYANTI**
20-Nov-21	Derivation of Gauss's Backward interpolation Formula
21-Nov-21	**SUNDAY**
22-Nov-21	Examples, Exercise and problems
23-Nov-21	Derivation of Sterling's interpolation Formula
24-Nov-21	Examples, Exercise and problems
25-Nov-21	Probability distribution of Random variables, Mean and Variance
26-Nov-21	Examples
27-Nov-21	Exercise and problems
28-Nov-21	**SUNDAY**
29-Nov-21	Binomial distribution of Random variables, Mean and Variance
30-Nov-21	Poisson's distribution of Random variables, Mean and Variance
1-Dec-21	Examples, Exercise and problems
2-Dec-21	Normal distribution of Random variables, Mean and Variance
3-Dec-21	Examples, Exercise and problems
4-Dec-21	Assignment
5-Dec-21	**SUNDAY**
6-Dec-21	Derivative of functions using interpolation formula's with equal intervals
7-Dec-21	Derivative of functions using interpolation formula's with unequal intervals
8-Dec-21	Examples, Exercise and problems
9-Dec-21	Derivative of functions using central difference interpolation formulas
10-Dec-21	Examples, Exercise and problems
11-Dec-21	Introduction to Eigen value problems
12-Dec-21	**SUNDAY**
13-Dec-21	Power Method
14-Dec-21	Examples, Exercise and problems
15-Dec-21	Jacobi's Method
16-Dec-21	Examples, Exercise and problems
17-Dec-21	HouseHolder Method, QR Method, Lanczo's Method

18-Dec-21	Examples, Exercise and problems
19-Dec-21	**SUNDAY**
20-Dec-21	Introduction to Numerical Integration Newton Cote's Quadrature Formula
21-Dec-21	Trapezoidal Rule Simpson's 1/3 Rule Simpson's 3/8 Rule
22-Dec-21	Explain how to use Mathematics table booklet
23-Dec-21	Examples
24-Dec-21	Exercise and problems
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Chebychev Formula
28-Dec-21	Examples, Exercise and problems
29-Dec-21	Gauss Quadrature Formula
30-Dec-21	Examples, Exercise and problems
31-Dec-21	Doubts
1-Jan-22	Test
2-Jan-22	**SUNDAY**
3-Jan-22	Numerical Solution of Ordinary Differential Equation Single Step Methods: Euler's Method
4-Jan-22	Numerical Solution of Ordinary Differential Equation Single Step Methods: Euler's Modified Method
5-Jan-22	Numerical Solution of Ordinary Differential Equation Single Step Methods: Picard's Method
6-Jan-22	Numerical Solution of Ordinary Differential Equation Single Step Methods: Taylor's Series Method
7-Jan-22	Numerical Solution of Ordinary Differential Equation Single Step Methods: Runge-kutta Method
8-Jan-22	Doubts
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**

10-Jan-22	Numerical Solution of Ordinary Differential Equation Multiple Step Methods: Milne-Simpson's Method
11-Jan-22	Examples
12-Jan-22	Exercise
13-Jan-22	Numerical Solution of Ordinary Differential Equation Multiple Step Methods: Adam-Bashforth Method
14-Jan-22	Examples
15-Jan-22	Exercise
16-Jan-22	**SUNDAY**
17-Jan-22	Revision Unit -1
18-Jan-22	Revision Unit -1
19-Jan-22	Revision Unit -2
20-Jan-22	Revision Unit -2
21-Jan-22	Revision Unit -3
22-Jan-22	Revision Unit -3
23-Jan-22	**SUNDAY**
24-Jan-22	Revision Unit -4
25-Jan-22	Revision Unit -4
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Discuss Previous years Question Papers
28-Jan-22	Discuss Previous years Question Papers
29-Jan-22	Discuss Previous years Question Papers

K.L Mehta Dayanand College for Women,
Faridabad Lesson plan (Oct 2021-2022)

Name Of the Associate/Assistant Professor: Ms. Renu Pandey
Class And Section: B.Sc. Biotechnology 5th
Sem Subject: Genomics Proteomics BT 504
Mode Of Teaching:
Online/Offline Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction Of The Syllabus
05-Oct-21	
06-Oct-21	Introduction to genomics
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Introduction to genomics
09-Oct-21	DNA sequencing methods – manual & automated
10-Oct-21	**SUNDAY**
11-Oct-21	Maxam and Gilbert and Sangers
12-Oct-21	
13-Oct-21	Maxam and Gilbert and Sangers
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	Sangers method.
17-Oct-21	**SUNDAY**
18-Oct-21	Sangers method.
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	Chain termination method
23-Oct-21	**Assignment**
24-Oct-21	**SUNDAY**
25-Oct-21	Pyrosequencing
26-Oct-21	
27-Oct-21	Genome Sequencing methods
28-Oct-21	
29-Oct-21	Shotgun & Hierarchical (clone contig) methods
30-Oct-21	**Test**
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Genome sequence assembly software.
09-Nov-21	
10-Nov-21	Computer tools for sequencing projects
11-Nov-21	
12-Nov-21	Genome sequence assembly software.
13-Nov-21	**Assignment**
14-Nov-21	**SUNDAY**
15-Nov-21	UNIT II Managing and Distributing Genome Data
16-Nov-21	
17-Nov-21	Web based servers and softwares for genome analysis
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Web based servers and softwares for genome analysis
21-Nov-21	**SUNDAY**
22-Nov-21	VISTA
23-Nov-21	
24-Nov-21	UCSC Genome Browser
25-Nov-21	
26-Nov-21	NCBI genome
27-Nov-21	**Test**
28-Nov-21	**SUNDAY**
29-Nov-21	Selected Model Organismal Genomes and Databases
30-Nov-21	
1-Dec-21	Selected Model Organismal Genomes and Databases
2-Dec-21	
3-Dec-21	UNIT III Introduction to protein
4-Dec-21	Chemical properties of proteins
5-Dec-21	**SUNDAY**
6-Dec-21	Physical interactions that determine the property of proteins
7-Dec-21	
8-Dec-21	Physical interactions that determine the property of proteins
9-Dec-21	
10-Dec-21	electrostatic forces, van der waal interactions
11-Dec-21	Assignment
12-Dec-21	**SUNDAY**
13-Dec-21	Determination of sizes

14-Dec-21	
15-Dec-21	Sedimentation analysis, gel filteration
16-Dec-21	
17-Dec-21	SDS-PAGE
18-Dec-21	Native PAGE
19-Dec-21	**SUNDAY**
20-Dec-21	Determination of covalent structures –Edman degradation.
21-Dec-21	
22-Dec-21	Determination of covalent structures –Edman degradation.
23-Dec-21	
24-Dec-21	Introduction to Proteomics
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	solubilization, reduction,
28-Dec-21	
29-Dec-21	resolution. Reproducibility of 2D-PAGE
30-Dec-21	
31-Dec-21	resolution. Reproducibility of 2D-PAGE
1-Jan-22	Assignment
2-Jan-22	**SUNDAY**
3-Jan-22	Mass spectrometry-based methods for protein identification
4-Jan-22	
5-Jan-22	Mass spectrometry
6-Jan-22	
7-Jan-22	Mass spectrometry
8-Jan-22	Test
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	De novo sequencing using mass spectrometric data.
11-Jan-22	
12-Jan-22	De novo sequencing using mass spectrometric data.
13-Jan-22	
14-Jan-22	**Assignment**
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Revision
18-Jan-22	
19-Jan-22	Revision
20-Jan-22	
21-Jan-22	Revision
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	

25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Renu Pandey

Class And Section: B.Sc. Biotechnology 1st sem

Subject: Cell Biology BT103

Mode Of Teaching: Online/Offline

Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction
05-Oct-21	Cell theory
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	Difference between Prokaryote and Eukaryote cells
10-Oct-21	**SUNDAY**
11-Oct-21	classification of organisms by cell structure
12-Oct-21	compartmentalization of eukaryotic cells
13-Oct-21	
14-Oct-21	compartmentalization of eukaryotic cells
15-Oct-21	**Dussehra**
16-Oct-21	Membrane as Dynamic Entity
17-Oct-21	**SUNDAY**
18-Oct-21	Membrane as Dynamic Entity
19-Oct-21	Cytosol
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Cell Membrane and Permeability
22-Oct-21	
23-Oct-21	Cell Membrane and Permeability
24-Oct-21	**SUNDAY**
25-Oct-21	Chemical components of biological membranes
26-Oct-21	assignment 1
27-Oct-21	
28-Oct-21	organization and Fluid Mosaic model
29-Oct-21	
30-Oct-21	organization and Fluid Mosaic model
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	membrane transport
09-Nov-21	cell recognition
10-Nov-21	Test
11-Nov-21	
12-Nov-21	
13-Nov-21	UNIT II: Membrane Vacuolar system,
14-Nov-21	**SUNDAY**
15-Nov-21	Microfilaments, Intermediate filaments
16-Nov-21	Microfilaments, Intermediate filaments
17-Nov-21	
18-Nov-21	Assignment and revision
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Endoplasmic reticulum:
21-Nov-21	**SUNDAY**
22-Nov-21	Endoplasmic reticulum: Function
23-Nov-21	protein segregation
24-Nov-21	
25-Nov-21	protein segregation
26-Nov-21	
27-Nov-21	Golgi Complex
28-Nov-21	**SUNDAY**
29-Nov-21	Golgi Complex
30-Nov-21	Structure, biogenesis
1-Dec-21	
2-Dec-21	protein secretion
3-Dec-21	
4-Dec-21	protein secretion
5-Dec-21	**SUNDAY**
6-Dec-21	Structure and functions Ribosomes
7-Dec-21	Structure and functions Ribosomes
8-Dec-21	
9-Dec-21	Mitochondria: Structure
10-Dec-21	
11-Dec-21	Mitochondria: Structure
12-Dec-21	**SUNDAY**
13-Dec-21	mt Genomes

14-Dec-21	Chloroplasts: Structure
15-Dec-21	
16-Dec-21	Chloroplasts: genomes
17-Dec-21	
18-Dec-21	Test
19-Dec-21	**SUNDAY**
20-Dec-21	Chloroplasts: biogenesis
21-Dec-21	Nucleus: Structure
22-Dec-21	
23-Dec-21	Nucleus: Structure
24-Dec-21	**Assignment**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Cell cycle (Interphase & M Phases)
28-Dec-21	Cell cycle (Interphase & M Phases)
29-Dec-21	
30-Dec-21	Cell cycle (Interphase & M Phases)
31-Dec-21	
1-Jan-22	Cell cycle (Interphase & M Phases)
2-Jan-22	**SUNDAY**
3-Jan-22	Regulation of cell cycle.
4-Jan-22	Regulation of cell cycle.
5-Jan-22	
6-Jan-22	Revision
7-Jan-22	
8-Jan-22	Test
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Extracellular Matrix
11-Jan-22	Composition, macromolecules
12-Jan-22	
13-Jan-22	molecules that mediate cell adhesion,
14-Jan-22	
15-Jan-22	molecules that mediate cell adhesion,
16-Jan-22	**SUNDAY**
17-Jan-22	membrane receptors for extra cellular matrix
18-Jan-22	membrane receptors for extra cellular matrix
19-Jan-22	
20-Jan-22	Test
21-Jan-22	
22-Jan-22	extra cellular matrix
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	

26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of the Associate/Assistant Professor: Ms. Renu Pandey

Class And Section: B.Sc. Biotechnology 3rd sem

Subject: Bioanalytical tools BT 302

Mode Of Teaching: Online/offline

Lectures Per Week:4

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction
05-Oct-21	
06-Oct-21	UNIT I Simple microscopy
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Simple microscopy
09-Oct-21	Simple microscopy
10-Oct-21	**SUNDAY**
11-Oct-21	phase contrast microscopy
12-Oct-21	
13-Oct-21	phase contrast microscopy
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	florescence microscopy
17-Oct-21	**SUNDAY**
18-Oct-21	electron microscopy
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	electron microscopy
23-Oct-21	assignment 1
24-Oct-21	**SUNDAY**
25-Oct-21	TEM and SEM
26-Oct-21	
27-Oct-21	TEM and SEM
28-Oct-21	
29-Oct-21	Test
30-Oct-21	pH meter
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	
03-Nov-21	**Diwali Break**
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Absorption spectroscopy
09-Nov-21	
10-Nov-21	Emission spectroscopy
11-Nov-21	
12-Nov-21	Emission spectroscopy
13-Nov-21	Test
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	UNIT II Principle and law of absorption fluorimetry
23-Nov-21	
24-Nov-21	Principle and law of absorption fluorimetry,
25-Nov-21	
26-Nov-21	absorption fluorimetry,
27-Nov-21	Assignment
28-Nov-21	**SUNDAY**
29-Nov-21	Colorimetry
30-Nov-21	
1-Dec-21	infra-red spectrophotometry
2-Dec-21	
3-Dec-21	spectrophotometry (visible, UV, infra-red
4-Dec-21	spectrophotometry (visible, UV, infra-red
5-Dec-21	**SUNDAY**
6-Dec-21	UV spectrophotometry
7-Dec-21	
8-Dec-21	visible spectrophotometry
9-Dec-21	
10-Dec-21	cell fractionation techniques
11-Dec-21	cell fractionation techniques
12-Dec-21	**SUNDAY**
13-Dec-21	isolation of sub-cellular organelles and particles
14-Dec-21	

15-Dec-21	isolation of sub-cellular organelles and particles
16-Dec-21	
17-Dec-21	UNIT III Introduction to the principle of chromatography
18-Dec-21	principle of chromatography
19-Dec-21	**SUNDAY**
20-Dec-21	paper chromatography
21-Dec-21	
22-Dec-21	thin layer chromatography
23-Dec-21	
24-Dec-21	assignment
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	column chromatography: silica and gel filtration
28-Dec-21	
29-Dec-21	column chromatography: silica and gel filtration
30-Dec-21	
31-Dec-21	test
1-Jan-22	column chromatography
2-Jan-22	**SUNDAY**
3-Jan-22	affinity and ion exchange chromatography
4-Jan-22	
5-Jan-22	affinity and ion exchange chromatography
6-Jan-22	
7-Jan-22	gas chromatography
8-Jan-22	Assignment
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	gas chromatography
11-Jan-22	HPLC
12-Jan-22	
13-Jan-22	Introduction to electrophoresis.Starch-gel
14-Jan-22	
15-Jan-22	(Native -PAGE).
16-Jan-22	**SUNDAY**
17-Jan-22	gas chromatography
18-Jan-22	
19-Jan-22	(SDS-PAGE).
20-Jan-22	
21-Jan-22	agrose-gel electrophoresis
22-Jan-22	**assignment**
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision**
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**

27-Jan-22	
28-Jan-22	**Revision**
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)
Name Of The Associate/Assistant Professor: Dr.AnnuKalra
Class And Section: M.Sc Chemistry, 3rd semester
Subject: Inorganic Special I, Instrumental Techniques
Mode Of Teaching: Online and Offline
Lectures Per Week: 24 (8 theory+16 practical)

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Introduction to Vibrational Spectroscopy and concept of Symmetry
09-Oct-21	Shape of AB2 type molecule
10-Oct-21	**SUNDAY**
11-Oct-21	Shape of AB_3 type molecule
12-Oct-21	Shape of AB_4 type molecule
13-Oct-21	Shape of AB_5 type molecule
14-Oct-21	Shape of AB_6 type molecule
15-Oct-21	**Dussehra**
16-Oct-21	Modes of Bonding of Ambidentate ligands
17-Oct-21	**SUNDAY**
18-Oct-21	Ethylenediamine complexes
19-Oct-21	Diketonate complexes
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Application of Raman Spectroscopy for the study of myoglobin and Haemoglobin
22-Oct-21	Application of Raman Spectroscopy for the study of myoglobin and Haemoglobin (contd.)
23-Oct-21	Revision of above topics
24-Oct-21	**SUNDAY**
25-Oct-21	Test of above topics
26-Oct-21	Principle of ESR spectroscopy
27-Oct-21	Presentation of the spectrum
28-Oct-21	Hyperfine coupling
29-Oct-21	Hyperfine splitting in various structures
30-Oct-21	Factors affecting magnitude of g
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Zero field splitting
09-Nov-21	Kramer's Degeneracy
10-Nov-21	Application of ESR to complexes having one and more than one unpaired electrons
11-Nov-21	Application to inorganic free radicals
12-Nov-21	Study of electron exchange reactions
13-Nov-21	Revision of above topics
14-Nov-21	**SUNDAY**
15-Nov-21	Test of above topics
16-Nov-21	Principle of Mossbauer Spectroscopy
17-Nov-21	Spectral display
18-Nov-21	Isomer shift
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Factors affecting the magnitude of Isomer shift
21-Nov-21	**SUNDAY**
22-Nov-21	Quadrupole interactions
23-Nov-21	Magnetic Hyperfine interactions
24-Nov-21	Application of MB spectroscopy to the study of bonding and structure of Fe(II) complexes
25-Nov-21	Bonding and structure of Fe(III) complexes
26-Nov-21	Bonding and structure of Sn(II) complexes
27-Nov-21	Bonding and structure of Sn(IV) complexes
28-Nov-21	**SUNDAY**
29-Nov-21	Detection of oxidation states
30-Nov-21	Nature of M-L bond
1-Dec-21	Revision of above topics
2-Dec-21	Test of above topics
3-Dec-21	Principle of Mass spectrometry
4-Dec-21	Representation of spectrum
5-Dec-21	**SUNDAY**
6-Dec-21	Interaction of molecules with high energy electrons
7-Dec-21	Interpretation of mass spectrum
8-Dec-21	Effect of isotopes on the appearance of mass spectrum
9-Dec-21	Finger print application
10-Dec-21	Molecular weight determination
11-Dec-21	Evaluation of heat of sublimation of high melting solids
12-Dec-21	**SUNDAY**
13-Dec-21	Revision of above topics

14-Dec-21	Introduction to NMR spectroscopy and F-19 NMR
15-Dec-21	P-31 NMR
16-Dec-21	Chemical shifts
17-Dec-21	Coupling constants
18-Dec-21	F-19 spectrum of fluoroacetone
19-Dec-21	**SUNDAY**
20-Dec-21	F-19 spectrum of 1-bromo-1-fluoroethane
21-Dec-21	F-19 spectum of dimethyl phosphorus trifluoride
22-Dec-21	F-19 spectrum of bromine pentafluoride
23-Dec-21	P-31 spectrum of HPF_2
24-Dec-21	P-31 spectrum of $HPO(OH)_2$
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	P-31 spectrum of $H_2PO(OH)$
28-Dec-21	P-31 spectrum of cis-$Pt(Pet_3)_2Cl_2$
29-Dec-21	Application of P-31 NMR for structural determination of complexes with phosphorus ligands
30-Dec-21	Contact shift
31-Dec-21	Its origin and application
1-Jan-22	Pseudo contact shift
2-Jan-22	**SUNDAY**
3-Jan-22	Diamagnetic complexes
4-Jan-22	Spectra of free ligands
5-Jan-22	Lanthanide shift reagents
6-Jan-22	Magnetic susceptibility measurements
7-Jan-22	Solid state NMR
8-Jan-22	Wide line NMR
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Magnetic Angle spinning
11-Jan-22	Applications-magnetic resonance imaging
12-Jan-22	Introduction to NQR spectroscopy
13-Jan-22	Nuclear quadrupole moment
14-Jan-22	Electric field gradient and asymmetry parameter
15-Jan-22	Nuclear quadrupole transitions-Axially symmetric molecules
16-Jan-22	**SUNDAY**
17-Jan-22	Nuclear quadrupole transitions-non-symmetric molecules
18-Jan-22	Effect of external magnetic field
19-Jan-22	Applications-Chemical bonding and structure
20-Jan-22	Solid state effects
21-Jan-22	Hydrogen bonding
22-Jan-22	Experimental Aspects of NMR
23-Jan-22	**SUNDAY**
24-Jan-22	Doubts from the above topics
25-Jan-22	Revision from Section A
26-Jan-22	**REPUBLIC DAY**

27-Jan-22	Revision from Section B
28-Jan-22	Revision from Section C
29-Jan-22	Revision from Section D

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name Of The Associate/Assistant Professor:Ms.RAJNI
Class And Section: : M.SC Chemistry I SEM
Subject: Organic Chemistry
Mode Of Teaching: Offline
Lectures Per Week: 8

Date	Topic to be Covered
23-Nov-21	
24-Nov-21	Delocalised chemical bonding-conjugation, cross conjugation
25-Nov-21	Resonance
26-Nov-21	Hyperconjugation and Tautomerism
27-Nov-21	Aromaticity in benzenoid and non benzenoid compounds
28-Nov-21	**SUNDAY**
29-Nov-21	Alternant and non-alternant hydrocarbons
30-Nov-21	
1-Dec-21	Huckle rule and energy level of pi M.O.
2-Dec-21	Annulenes, antiaromaticity and homoaromaticity
3-Dec-21	PMO approch
4-Dec-21	Addition compound- Crown ethers and Cryptands
5-Dec-21	**SUNDAY**
6-Dec-21	Test of Resonance and Aromaticity
7-Dec-21	
8-Dec-21	Inclusion compounds
9-Dec-21	Cyclodextrin and Catenanes&Rotaxanes
10-Dec-21	Revision of PMO and assignment given on PMO approach
11-Dec-21	Types of naturally occurring sugars, Deoxy sugars
12-Dec-21	**SUNDAY**
13-Dec-21	Amino sugars and branched chain sugars
14-Dec-21	
15-Dec-21	Determination of structure and synthesis of Maltose
16-Dec-21	Determination of structure and synthesis of Maltose cont.
17-Dec-21	Determination of structure and synthesis of Sucrose
18-Dec-21	Determination of structure and synthesis of Sucrose cont.
19-Dec-21	**SUNDAY**
20-Dec-21	Test of Maltose and Sucrose
21-Dec-21	
22-Dec-21	Determination of structure of Lactose
23-Dec-21	Various classes of Dyes

24-Dec-21	Interaction between dyes and fibres
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Structure elucidation of Indigo dye
28-Dec-21	
29-Dec-21	Structure elucidation of Indigo dye cont
30-Dec-21	Structure elucidation of Alizarin dye
31-Dec-21	Structure elucidation of Alizarin dye cont.
1-Jan-22	Test of Lactose
2-Jan-22	**SUNDAY**
3-Jan-22	Chirality, elements of symmetry
4-Jan-22	
5-Jan-22	Molecules with more than one chiral centre, Diastereomerism
6-Jan-22	Determination of Relative & Absolute configuration of Lactic acid
7-Jan-22	Determination of Relative & Absolute configuration of Alanine
8-Jan-22	Determination of Relative & Absolute configuration of Mandelic acid
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Methods of Resolution
11-Jan-22	
12-Jan-22	Test of Indigo dye
13-Jan-22	Optical purity, prochirality introduction
14-Jan-22	Enantiotopic and diastereotopic atoms, groups and faces
15-Jan-22	Asymmetric synthesis, Crams rule and its modification
16-Jan-22	**SUNDAY**
17-Jan-22	Prelogs rule
18-Jan-22	
19-Jan-22	Conformational analysis of cycloalkanes
20-Jan-22	Test of Alizarin dye
21-Jan-22	Conformation of decalins, sugars
22-Jan-22	Optical activity in the absence of chiral carbon(biphenyl, allenes and spiranes)
23-Jan-22	**SUNDAY**
24-Jan-22	Chirality due to helical shape
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Geometrical isomerism in alkenes and oximes
28-Jan-22	Test of Conformation of decalins and sugars
29-Jan-22	Methods of determining configuration in oximes
30-Jan-22	**SUNDAY**
31-Jan-22	Types of reaction and mechanism
1-Feb-22	
2-Feb-22	Thermodynamic and kinetic requirements and control
3-Feb-22	Hammonds postulate
4-Feb-22	Test of Geometrical isomerism in alkenes and oximes and method of determining configuration
5-Feb-22	**VASANT PANCHMI**

6-Feb-22	**SUNDAY**
7-Feb-22	Curtin –Hammett principle
8-Feb-22	
9-Feb-22	P.E. diagram, T.S. and Intermediate, Method of determining mechanism, Isotope effect
10-Feb-22	HSAB, Assignment given of Optical activity in the absence of chiral carbon(biphenyl, allenes and spiranes
11-Feb-22	Carbocation
12-Feb-22	Carbocation
13-Feb-22	**SUNDAY**
14-Feb-22	Carboanion
15-Feb-22	
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Free- radicals
18-Feb-22	Cont.
19-Feb-22	Test of Hammonds postulate &Curtin –Hammett principle
20-Feb-22	**SUNDAY**
21-Feb-22	Carbene and nitrene
22-Feb-22	
23-Feb-22	Hammett equation
24-Feb-22	Taft equation
25-Feb-22	**Revision**
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name Of The Associate/Assistant Professor: Manisha

Class And Section: M.Sc. Chemistry

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week:24(8 theory+16 practical)

Date	Topic to be Covered
23-Nov-21	Brief resume of first law of thermodynamics
24-Nov-21	**Holiday**
25-Nov-21	
26-Nov-21	Continued
27-Nov-21	Continued
28-Nov-21	**SUNDAY**
29-Nov-21	Brief resume of second law of thermodynamics
30-Nov-21	Continued
1-Dec-21	
2-Dec-21	Free energy, enthalpy functions and their significance
3-Dec-21	Entropy changes in reversible and irreversible process, variation of entropy with temperature, pressure and volume
4-Dec-21	Criteria for spontaneity of a process partial molar quantities (free energy, volume,heat concept)
5-Dec-21	**SUNDAY**
6-Dec-21	Gibb's_Duhem equation
7-Dec-21	Test
8-Dec-21	Effect of temperature on reaction rate,law for opposing reactions of first and second order
9-Dec-21	
10-Dec-21	Continued
11-Dec-21	Rate law for consecutive & parallel reactions of 1st order reactions
12-Dec-21	**SUNDAY**
13-Dec-21	Collision theory of reaction rates and its limitations,steric factor
14-Dec-21	Assignment
15-Dec-21	
16-Dec-21	Activated complex theory
17-Dec-21	Ionic reactions: single and double sphere models
18-Dec-21	Influence of solvent and ionic strength, comparison of collision and activated complex theory
19-Dec-21	**SUNDAY**
20-Dec-21	Test
21-Dec-21	Ion-ion interactions: the Debye-huckel theory of ion-ion interactions
22-Dec-21	

23-Dec-21	Potential and excess charge density as a function of distance from the central ion
24-Dec-21	Debye-huckel reciprocal length, ionic cloud and its contribution to the total potential
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test
28-Dec-21	Debye-huckel limiting law of activity coefficient and its limitations
29-Dec-21	
30-Dec-21	Ion size effect on potential,ion size parameter and the theoretical mean_ activity coefficient in the case of ionic clouds with finite sized ions
31-Dec-21	Continued
1-Jan-22	Continued
2-Jan-22	**SUNDAY**
3-Jan-22	Test
4-Jan-22	Debye-huckelonsager treatment for aqueous solutions and its limitations
5-Jan-22	
6-Jan-22	Debye_ Huckel-onsager treatment for aqueous solutions and its limitations
7-Jan-22	Debye-huckelonsager theory for non aqueous solutions, the solvent effect on the mobility at infinite dilution
8-Jan-22	Equivalent conductivity vs. concentration as function of the solvent
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Test
11-Jan-22	Effect of ion association upon conduo(Debye-huckel-Bjerrum equation)
12-Jan-22	
13-Jan-22	Assignment
14-Jan-22	Postulates of quantum mechanics : derivation of Schrodinger wave equation; Max-Born interpretation of wave functions and the Heisenberg's uncertainty principle
15-Jan-22	Quantum mechanical operatures and their commutation relations
16-Jan-22	**SUNDAY**
17-Jan-22	Hermition operators (elementary ideas, quantum mechanical operators and their commutations Hermition operation
18-Jan-22	Quantum mechanical operators for linear momentum , angular momentum and energy as Hermition operator
19-Jan-22	
20-Jan-22	Doubt
21-Jan-22	**Test**
22-Jan-22	The average value of the square of Hermition operators: commuting operators and uncertainty principle (x &p;E& t);
23-Jan-22	**SUNDAY**
24-Jan-22	Schrodinger wave equation for a partical in one dimensional box:
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Test
28-Jan-22	Evaluation of average position, average momentum and determination of uncertainty in position and momentum
29-Jan-22	Heisenberg's uncertainty principle

30-Jan-22	**SUNDAY**
31-Jan-22	Pictorial representation of the wave equation of partical in one dimensional box
1-Feb-22	Revision
2-Feb-22	
3-Feb-22	Test
4-Feb-22	Influence on the kinetic energy of the partical in each successive quantum level
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	Lowest energy of the partical
8-Feb-22	Revision
9-Feb-22	Test
10-Feb-22	
11-Feb-22	Revision
12-Feb-22	Revision
13-Feb-22	**SUNDAY**
14-Feb-22	Revision
15-Feb-22	Doubt
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Revision
18-Feb-22	Revision
19-Feb-22	Revision
20-Feb-22	**SUNDAY**
21-Feb-22	Revision
22-Feb-22	Revision
23-Feb-22	Revision
24-Feb-22	Revision
25-Feb-22	Revision
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**

.L Mehta Dayanand College For Women, FaridabadLesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Dr. Vandana

Class And Section: M.sc mathematics (F)3rd sem Subject:

Functional Analysis(17MAT23C1)

Mode Of Teaching: Offline

Lectures Per Week:6

Date	**Topic to be Covered**
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Banach space
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Normed andBanach space
09-Oct-21	Metric on normed linear space
10-Oct-21	**SUNDAY**
11-Oct-21	Completion of normed linear space
12-Oct-21	Completeness of a quotient space
13-Oct-21	Completion of lp
14-Oct-21	Completeness of real n complx in n tuples form
15-Oct-21	Dussehra
16-Oct-21	Completeness of c[a,b]
17-Oct-21	**SUNDAY**
18-Oct-21	Doubt class
19-Oct-21	Doubt class
20-Oct-21	Maharishi Valmiki Jayanti

21-Oct-21	Test
22-Oct-21	Finite dimensions normed linear Space
23-Oct-21	Subspaces
24-Oct-21	**SUNDAY**
25-Oct-21	Bounded linear transformation
26-Oct-21	Equivalent formation of continuity
27-Oct-21	Subspaces of bounded linear transformation
28-Oct-21	Continuous linear functional
29-Oct-21	Hahn Banach theorem
30-Oct-21	Hahn Banach theorem on complex formAnd Application of Hahn Banach theorem
31-Oct-21	**SUNDAY**
01-Nov-21	**DIWALI BREAK**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Doubt class
09-Nov-21	Doubt class
10-Nov-21	Doubt class
11-Nov-21	Test
12-Nov-21	Riesz representation theorem on lp

13-Nov-21	Riesz representation theorem on c[a,b]
14-Nov-21	**SUNDAY**
15-Nov-21	Second conjugate space
16-Nov-21	Reflexive space
17-Nov-21	Uniform bounded principal
18-Nov-21	Consequences
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Open mapping theorem
21-Nov-21	**SUNDAY**
22-Nov-21	Application of open mapping theorem
23-Nov-21	Projection
24-Nov-21	Closed graph theorem
25-Nov-21	Doubt class
26-Nov-21	Doubt class
27-Nov-21	Doubt class
28-Nov-21	**SUNDAY**
29-Nov-21	Test
30-Nov-21	Equivalent norm
1-Dec-21	Weak convergence
2-Dec-21	Strong convergence
3-Dec-21	Their equivalence
4-Dec-21	Finite dimensions spaces
5-Dec-21	**SUNDAY**
6-Dec-21	Weak sequential compactness
7-Dec-21	Solvabilityof linear equations in Banach spaces
8-Dec-21	Compact operator
9-Dec-21	Relation with continuous operator

10-Dec-21	Revision
11-Dec-21	Revision
12-Dec-21	**SUNDAY**
13-Dec-21	Revision
14-Dec-21	Doubt class
15-Dec-21	Doubt class
16-Dec-21	Compactness of linear transformation
17-Dec-21	Finite dimensions spaces
18-Dec-21	Revision
19-Dec-21	**SUNDAY**
20-Dec-21	Revision
21-Dec-21	Revision
22-Dec-21	Doubt class
23-Dec-21	Doubt class
24-Dec-21	Doubt class
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test
28-Dec-21	Assignment
29-Dec-21	Properties of compact operator
30-Dec-21	Compactness of limit of the sequence
31-Dec-21	Revision
1-Jan-22	Revision
2-Jan-22	**SUNDAY**
3-Jan-22	Compact operators
4-Jan-22	Revision
5-Jan-22	Revision

6-Jan-22	Revision
7-Jan-22	Revision
8-Jan-22	Revision
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Doubt class
11-Jan-22	Doubt class
12-Jan-22	Doubt class
13-Jan-22	Doubt class
14-Jan-22	Assignment
15-Jan-22	Test
16-Jan-22	**SUNDAY**
17-Jan-22	Revision
18-Jan-22	Revision
19-Jan-22	Revision
20-Jan-22	Revision
21-Jan-22	Revision
22-Jan-22	Revision
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Dr. Vandana

Class And Section: M.sc mathematics(F) 3 rd sem

Subject: Fluid Dynamics(17MAT23C3)

Mode Of Teaching: offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Velocity at a point of a moving fluid
09-Oct-21	Eularian and Lagrangian method
10-Oct-21	**SUNDAY**
11-Oct-21	Revision
12-Oct-21	Doubt class
13-Oct-21	Doubt class
14-Oct-21	Doubt class
15-Oct-21	Dussehra
16-Oct-21	Stream lines
17-Oct-21	**SUNDAY**
18-Oct-21	Path lines
19-Oct-21	Streak lines
20-Oct-21	Maharishi Valmiki Jayanti

21-Oct-21	Problem based
22-Oct-21	Problem based
23-Oct-21	Problem based
24-Oct-21	**SUNDAY**
25-Oct-21	Velocity potential
26-Oct-21	Rotational motion
27-Oct-21	Irrotational motion
28-Oct-21	Velocity and circulation
29-Oct-21	Equation of continuity
30-Oct-21	Boundary surfaces & Acceleration of a point in a moving fluid
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Components of acceleration in cylindrical form
09-Nov-21	Spherical form
10-Nov-21	Revision
11-Nov-21	Revision
12-Nov-21	Doubt class
13-Nov-21	Doubt class
14-Nov-21	**SUNDAY**
15-Nov-21	Test

16-Nov-21	Pressure at a point in a moving fluid
17-Nov-21	Eular equation of motion
18-Nov-21	
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Equation of motion in cylindrical form
21-Nov-21	**SUNDAY**
22-Nov-21	Equation of motion in spherical form
23-Nov-21	Bernoulli equation
24-Nov-21	Impulsive motion
25-Nov-21	Kelvin circulation theorem
26-Nov-21	Vorticity equation
27-Nov-21	Energy equation for incompressible flow
28-Nov-21	**SUNDAY**
29-Nov-21	Kinetic energy of irrotational flow
30-Nov-21	Kelvin minimum energy theorem
1-Dec-21	Kinetic energy of infinite fluid
2-Dec-21	Uniqueness theorem
3-Dec-21	Revision
4-Dec-21	Doubt class
5-Dec-21	**SUNDAY**
6-Dec-21	Axially symmetric flow
7-Dec-21	Liquid steaming part a fixed sphere
8-Dec-21	Motion of a sphere through a liquid at rest at infinity
9-Dec-21	Equation of a motion of a sphere
10-Dec-21	Kinetic energy generated by impulsive motion
11-Dec-21	motion of two concentric sphere

12-Dec-21	**SUNDAY**
13-Dec-21	Three dimensional sources
14-Dec-21	Sink
15-Dec-21	Doublets
16-Dec-21	Images of source sink and doublets
17-Dec-21	Rigid impermeable infinite plane
18-Dec-21	Impermeable spherical surface
19-Dec-21	**SUNDAY**
20-Dec-21	Revision
21-Dec-21	Revision
22-Dec-21	Revision
23-Dec-21	Doubt class
24-Dec-21	Doubt class
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test
28-Dec-21	Assignment
29-Dec-21	Two dimensional motion
30-Dec-21	Use of cylindrical polar coordinates
31-Dec-21	Stream function
1-Jan-22	Axisymmetric flow
2-Jan-22	**SUNDAY**
3-Jan-22	Stock steam function
4-Jan-22	Irrotational motion in two dimensional
5-Jan-22	Complex velocity potential
6-Jan-22	Milne Thomson theorem
7-Jan-22	Two dimensional images of source,sink n doublets

8-Jan-22	Revision
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Blasius theorem
11-Jan-22	Revision
12-Jan-22	Revision
13-Jan-22	Revision
14-Jan-22	Revision
15-Jan-22	Revision
16-Jan-22	**SUNDAY**
17-Jan-22	Doubt class
18-Jan-22	Doubt class
19-Jan-22	Assignment
20-Jan-22	Test
21-Jan-22	Revision
22-Jan-22	Revision
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (July 2021-22)

Name Of The Associate/Assistant Professor:Dr. Vandana

Class And Section: M.sc mathematics (P)

Subject: mathematical statistics (16MAT21C5)

Mode Of Teaching: offline

Lectures Per Week:6

Date	**Topic to be Covered**
23-Nov-21	Introduction of syllabus
24-Nov-21	Probability
25-Nov-21	Various approaches of probability
26-Nov-21	Problem based
27-Nov-21	Problem based
28-Nov-21	**SUNDAY**
29-Nov-21	Addition theorem
30-Nov-21	Problem based
1-Dec-21	Problem based
2-Dec-21	Problem based
3-Dec-21	Problem based
4-Dec-21	Problem based q
5-Dec-21	**SUNDAY**
6-Dec-21	Revision
7-Dec-21	Revision
8-Dec-21	Revision
9-Dec-21	Revision
10-Dec-21	Doubt class

11-Dec-21	Doubt class
12-Dec-21	**SUNDAY**
13-Dec-21	Boole inequality
14-Dec-21	Conditional probability
15-Dec-21	Multiplication theorem
16-Dec-21	Pairwise independent events
17-Dec-21	Bayes theorem and it's application
18-Dec-21	Revision
19-Dec-21	SUNDAY
20-Dec-21	Test
21-Dec-21	Definition and properties of random variables
22-Dec-21	Discrete and continuous random variables
23-Dec-21	Probability mass function and density function
24-Dec-21	Distribution function
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Concept of bivariate random variable
28-Dec-21	Joint and marginal distribution
29-Dec-21	Conditional distribution
30-Dec-21	Mathematical expectations
31-Dec-21	Varience
1-Jan-22	Moment and generating function
2-Jan-22	**SUNDAY**
3-Jan-22	Doubt class
4-Jan-22	Doubt class
5-Jan-22	Revision
6-Jan-22	Revision

7-Jan-22	Test
8-Jan-22	Discrete distribution
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Uniform distribution
11-Jan-22	Bernoulli distribution
12-Jan-22	Binomial distribution
13-Jan-22	Poisson distribution
14-Jan-22	Geometric distribution
15-Jan-22	Continuous distribution
16-Jan-22	**SUNDAY**
17-Jan-22	Uniform distribution
18-Jan-22	Exponential distribution
19-Jan-22	Normal distribution
20-Jan-22	Revision
21-Jan-22	Revision
22-Jan-22	Test
23-Jan-22	**SUNDAY**
24-Jan-22	Types of hypothesis
25-Jan-22	Parameter and statistic
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Sampling distribution
28-Jan-22	Standard error of estimate
29-Jan-22	Null and alternate hypothesis
30-Jan-22	**SUNDAY**
31-Jan-22	Simple and composit hypothesis
1-Feb-22	Critical region
2-Feb-22	Level of significance

3-Feb-22	One tailed test
4-Feb-22	Two tailed test
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	Two types of error
8-Feb-22	Large Simple test for simple mean
9-Feb-22	Single proportion
10-Feb-22	Difference between two proportion
11-Feb-22	Difference between two means
12-Feb-22	Doubt class
13-Feb-22	**SUNDAY**
14-Feb-22	Doubt class
15-Feb-22	Assignment
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Test
18-Feb-22	Revision
19-Feb-22	Revision
20-Feb-22	**SUNDAY**
21-Feb-22	Revision
22-Feb-22	Revision
23-Feb-22	Revision
24-Feb-22	Revision
25-Feb-22	Revision
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	Revision

K.L Mehta Dayanand College For Women, FaridabadLesson plan (July 2021-22)

Name Of The Associate/Assistant Professor:Dr. Vandana

Class And Section: M.sc (P) mathematics

Subject: ordinary differential equations(16MAT21C3)

Mode Of Teaching: Offline

Lectures Per Week:6

Date	**Topic to be Covered**
23-Nov-21	Introduction of syllabus
24-Nov-21	E approximate solution
25-Nov-21	Cauchy eular construction theorem
26-Nov-21	Equicontinuos family of functions
27-Nov-21	Ascoli lemma
28-Nov-21	**SUNDAY**
29-Nov-21	Cauchy peano theorem
30-Nov-21	Lipschitz condition
1-Dec-21	Picard theorem
2-Dec-21	Uniqueness theorem
3-Dec-21	Initial value problem
4-Dec-21	Problem based
5-Dec-21	**SUNDAY**
6-Dec-21	Doubt class
7-Dec-21	Test
8-Dec-21	Linear system
9-Dec-21	Matrix method for homogeneous system
10-Dec-21	Fundamental set of solutions

11-Dec-21	Fundamental matrix of solutions
12-Dec-21	**SUNDAY**
13-Dec-21	Wronskian solution
14-Dec-21	Basic solution
15-Dec-21	Able formula
16-Dec-21	Non homogeneous system
17-Dec-21	Strum theory
18-Dec-21	Self adjoint operator
19-Dec-21	**SUNDAY**
20-Dec-21	Able formula
21-Dec-21	Strum seperation theorem
22-Dec-21	Strum fundamental theorem
23-Dec-21	Revision
24-Dec-21	Doubt class
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test
28-Dec-21	Non linear differential system
29-Dec-21	Phase plane
30-Dec-21	Path
31-Dec-21	Critical points
1-Jan-22	Autonomous systems
2-Jan-22	**SUNDAY**
3-Jan-22	Isolated critical points
4-Jan-22	Types of critical points
5-Jan-22	Stability of critical points

6-Jan-22	Asymptotically stable points
7-Jan-22	Unstable points
8-Jan-22	Critical points
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Path of linear system
11-Jan-22	Almost linear system
12-Jan-22	Revision
13-Jan-22	Revision
14-Jan-22	Doubt class
15-Jan-22	Doubt class
16-Jan-22	**SUNDAY**
17-Jan-22	Test
18-Jan-22	Non linear equations
19-Jan-22	Dependence of a parameter
20-Jan-22	Liapunuv method
21-Jan-22	Limit Cycles
22-Jan-22	Periodic solution
23-Jan-22	**SUNDAY**
24-Jan-22	Bendixen theorem
25-Jan-22	Index of a critical point
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Strum liouville theorem
28-Jan-22	Orthogonality of characteristics function
29-Jan-22	Problem based
30-Jan-22	**SUNDAY**
31-Jan-22	Problem based
1-Feb-22	Problem based

2-Feb-22	Problem based
3-Feb-22	Doubt class
4-Feb-22	Doubt class
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	Doubt class
8-Feb-22	Doubt class
9-Feb-22	Doubt class
10-Feb-22	Revision
11-Feb-22	Revision
12-Feb-22	Test
13-Feb-22	**SUNDAY**
14-Feb-22	Revision
15-Feb-22	Revision
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Revision
18-Feb-22	Revision
19-Feb-22	Revision
20-Feb-22	**SUNDAY**
21-Feb-22	Revision
22-Feb-22	Revision
23-Feb-22	Revision
24-Feb-22	Revision
25-Feb-22	Revision
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (July 2021-22)

Name Of The Associate/Assistant Professor:Dr.Vandana

Class And Section: M.A(ECO)

Subject: Mathematics for economics (Paper-4)

Mode Of Teaching: Offline

Lectures Per Week:6

Date	Topic to be Covered
23-Nov-21	Introduction of syllabus
24-Nov-21	Real number system
25-Nov-21	Sets and set operations
26-Nov-21	Relations and functions
27-Nov-21	Problem based
28-Nov-21	**SUNDAY**
29-Nov-21	Problem based
30-Nov-21	Inverse function
1-Dec-21	Solution of linear equation in two variables
2-Dec-21	Problem based
3-Dec-21	Problem based
4-Dec-21	Problem based
5-Dec-21	**SUNDAY**
6-Dec-21	Solution of quadratic equations
7-Dec-21	Logarithms
8-Dec-21	Problem based
9-Dec-21	Problem based
10-Dec-21	Exponents
11-Dec-21	Problem based
12-Dec-21	**SUNDAY**
13-Dec-21	Problem based
14-Dec-21	Exogenous and endogenous variables
15-Dec-21	Problem based
16-Dec-21	Doubt class
17-Dec-21	Test

18-Dec-21	Fundamental of matrices
19-Dec-21	**SUNDAY**
20-Dec-21	Determinents
21-Dec-21	Problem based
22-Dec-21	Problem based
23-Dec-21	Solution of a system up to three equation
24-Dec-21	Inversion matrix
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Cramer's rule
28-Dec-21	Problem based
29-Dec-21	Problem based
30-Dec-21	Input output analysis
31-Dec-21	Static open model
1-Jan-22	Doubt class
2-Jan-22	**SUNDAY**
3-Jan-22	Test
4-Jan-22	Differentiation
5-Jan-22	Idea of limit meaning
6-Jan-22	Economic interpretations of derivative
7-Jan-22	Rules of differentiation including log n exponential functions
8-Jan-22	Unconstrained optimization
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Single choice variable
11-Jan-22	Problem based
12-Jan-22	Problem based
13-Jan-22	Global and local variable
14-Jan-22	Problem based
15-Jan-22	Problem based
16-Jan-22	**SUNDAY**
17-Jan-22	Doubt class
18-Jan-22	Doubt class
19-Jan-22	Test
20-Jan-22	Calculus of multivariable function
21-Jan-22	Problem based
22-Jan-22	Problem based
23-Jan-22	**SUNDAY**
24-Jan-22	Higher order derivatives
25-Jan-22	Problem based
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Problem based

28-Jan-22	Problem based
29-Jan-22	Constrained optimization upto two equality constraints
30-Jan-22	**SUNDAY**
31-Jan-22	Problem based
1-Feb-22	Problem based
2-Feb-22	Problem based
3-Feb-22	Problem based
4-Feb-22	Problem based
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	Test
8-Feb-22	Revision
9-Feb-22	Revision
10-Feb-22	Revision
11-Feb-22	Revision
12-Feb-22	Revision
13-Feb-22	**SUNDAY**
14-Feb-22	Revision
15-Feb-22	Revision
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Revision
18-Feb-22	Revision
19-Feb-22	Revision
20-Feb-22	**SUNDAY**
21-Feb-22	Revision
22-Feb-22	Revision
23-Feb-22	Revision
24-Feb-22	Revision
25-Feb-22	Revision
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Mrs. Shilpa Khetan

Class And Section: B.Sc (Non-Medical) 1st year

Subject: Calculus

Mode Of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	Orientation of The Students
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Introduction of The syllabus**
05-Oct-21	**Introduction to limits and definition of the limit of a function**
06-Oct-21	**Basic property of limits**
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Introduction and definition of continuous and discontinuous functions**
09-Oct-21	**Classification of discontinuous**
10-Oct-21	**SUNDAY**
11-Oct-21	**Differentiability**
12-Oct-21	**Theorams based on limits, continuity and differentiability**
13-Oct-21	**Examples**
14-Oct-21	**Exercises**
15-Oct-21	**Dussehra**
16-Oct-21	**Doubt class**
17-Oct-21	**SUNDAY**
18-Oct-21	**Class test**
19-Oct-21	**Introduction to successive differentiation**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Example and exercise**
22-Oct-21	**Some standard results on nth derivatives and use of partial fraction**

23-Oct-21	**Examples**
24-Oct-21	**SUNDAY**
25-Oct-21	**Exercise problems**
26-Oct-21	**Leibnitz theorem**
27-Oct-21	**Example based on leibnitz theorem**
28-Oct-21	**Exercise**
29-Oct-21	**Class test**
30-Oct-21	**Taylor's theorem with Lagrange's form and Cauchy's form of remainder**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Example based on above theorem**
09-Nov-21	**Maclaurin's theorem with Lagrange's and Cauchy's form of remainder**
10-Nov-21	**Example based on above theorems**
11-Nov-21	**Infinite series and Taylor's infinite series**
12-Nov-21	**Example**
13-Nov-21	**Exercise**
14-Nov-21	**SUNDAY**
15-Nov-21	**Another form of Taylor's theoremand its example**
16-Nov-21	**Test**
17-Nov-21	**Introduction of Asymptotes**
18-Nov-21	**Definition of asymptote and their types**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Example**
21-Nov-21	**SUNDAY**

22-Nov-21	**Exercise**
23-Nov-21	**Asymptote of polar curve and position of the curve with respect to asymptotes**
24-Nov-21	**Examples**
25-Nov-21	**Exercise**
26-Nov-21	**Doubt class**
27-Nov-21	**Class test**
28-Nov-21	**SUNDAY**
29-Nov-21	**Introduction to curvature, definition of curvature and radius of curvature**
30-Nov-21	**Example**
1-Dec-21	**Radius of curvature for polar and pedal equations**
2-Dec-21	**Examples**
3-Dec-21	**Exercise**
4-Dec-21	**Radius of curvature at origin, Centre of curvature, circle of curvature and evolute of curve**
5-Dec-21	**SUNDAY**
6-Dec-21	**Example and exercise**
7-Dec-21	**Introduction to singular points**
8-Dec-21	**Multiple and double with examples**
9-Dec-21	**Species of cusps, concavity and convexity**
10-Dec-21	**Point of inflexion and examples on these topics**
11-Dec-21	**Examples**
12-Dec-21	**SUNDAY**
13-Dec-21	**Exercise**
14-Dec-21	**Class test**
15-Dec-21	**Introduction to Curve Tracing of Cartesian curves**
16-Dec-21	**Tracing of Cartesian Curves**
17-Dec-21	**Examples**
18-Dec-21	**Exercise Tracing of curve of Parametric and polar curves**
19-Dec-21	**SUNDAY**

20-Dec-21	**Tracing of curve of Parametric and polar curves**
21-Dec-21	**Examples of curves of parametric and polar curves based on it**
22-Dec-21	**Examples of polar curves**
23-Dec-21	**Exercise**
24-Dec-21	**Exercise**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Class test**
28-Dec-21	**Introduction to Reduction formulaExamples based on it**
29-Dec-21	**Reduction formula for different type of integral continuedExercise**
30-Dec-21	**Examples**
31-Dec-21	**Exercise**
1-Jan-22	**Exercise**
2-Jan-22	**SUNDAY**
3-Jan-22	**Class test**
4-Jan-22	**Rectification** **Introduction to Rectification**
5-Jan-22	**Fundamental theorem about rectification**
6-Jan-22	**Examples**
7-Jan-22	**Exercise**
8-Jan-22	**Length of the parametric and polar curves**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Examples**
11-Jan-22	**Exercise**
12-Jan-22	**Doubts**
13-Jan-22	**Class test**
14-Jan-22	**Introduction to Quadrature**
15-Jan-22	**Examples**
16-Jan-22	**SUNDAY**
17-Jan-22	**Exercise**

18-Jan-22	**Area between two curves, parametric curves and polar curves**
19-Jan-22	**Examples**
20-Jan-22	**Exercise**
21-Jan-22	**Introduction to volumes and surfaces of solids of revolution, volume of a solid of revolution**
22-Jan-22	**Axis of revolution, volume formula for two solids, parametric and polar curves**
23-Jan-22	**SUNDAY**
24-Jan-22	**Examples and exercise problems**
25-Jan-22	**Class test**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	**Revision**
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Mrs. Shilpa Khetan

Class And Section: B.Sc(Non-Medical) 3rd year(5th sem) Section- A & B

Subject: Groups and Rings

Mode Of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	Introduction to Syllabus
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Groups amd Subgroups** **Introduction and some fundamental properties of Binary Operation** **Examples based on it**
05-Oct-21	**General properties of Groups** **Examples based on it**
06-Oct-21	**Order of an element of group** **Theorems and examples based on it**
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Exercise**
09-Oct-21	**Introduction of Subgroup amd its theorems**
10-Oct-21	**SUNDAY**
11-Oct-21	**Product of two Subgroup** **Intersection of Subgroup** **Examples based on it**
12-Oct-21	**Exercise**
13-Oct-21	**Cyclic Group** **Some theorems on it**
14-Oct-21	**Examples and Exercise**
15-Oct-21	**Dussehra**

16-Oct-21	**Class Test**
17-Oct-21	**SUNDAY**
18-Oct-21	**Cosets of a Group** **Some theorems on it**
19-Oct-21	**Examples**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Lagrange's theorem and theorem based on it**
22-Oct-21	**Exercise**
23-Oct-21	**Normal Subgroup and Simple Group** **Some theorems on Normal Subgroup**
24-Oct-21	**SUNDAY**
25-Oct-21	**Quotient Group** **Theorems and examples based on it**
26-Oct-21	**Exercise**
27-Oct-21	**Class Test**
28-Oct-21	**Homomorphism of Groups** **Some theorems based on it**
29-Oct-21	**Examples**
30-Oct-21	**Kernel of Homomorphism** **Some theorems based on it**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Fundamental theorem on Homomorphism of Groups** **Second and Third theorem on Isomorphism**

09-Nov-21	**Automorphism of Groups** **Examples based on it**
10-Nov-21	**Group of Automorphism And Inner Automorphism** **Theorems and examples based on it**
11-Nov-21	**Group of Automorphism of a cyclic Group** **Theorem and examples based on it**
12-Nov-21	**Centre of a group** **Theorems and examples based on it**
13-Nov-21	**Characteristic Subgroups** **Examples and exercise based on it**
14-Nov-21	**SUNDAY**
15-Nov-21	**Conjugate elements, Conjugate Class, Self Conjugate element** **Definition and there theorems** **Normalizer and its theorem**
16-Nov-21	**Normalizer and centralizer of a subgroup of a group** **Theorems based on it**
17-Nov-21	**Conjugate Subgroup, Conjugate class of Subgroup and Commutator.** **Theorems based on it**
18-Nov-21	**Examples and exercise**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Class test**
21-Nov-21	**SUNDAY**
22-Nov-21	**Permutation Groups and some definitions on it** **Examples based on it**
23-Nov-21	**Cyclic Permutation, Even and odd permutation, Alternating Group** **Examples and Exercise based on it**
24-Nov-21	**Class test**
25-Nov-21	**Introduction to Rings, Types of Rings, Examples based on it**
26-Nov-21	**Rings without or with zero divisors and it's example** **Integral Domain, Division ring, Introduction to field, theorems**
27-Nov-21	**Examples and exercise**

28-Nov-21	**SUNDAY**
29-Nov-21	**Introduction to Subrings, some theorems on subrings, examples**
30-Nov-21	**Characteristic of a Ring, theorems based on it** **Exercise**
1-Dec-21	**Class test**
2-Dec-21	**Definition of Ideals, Sum of two ideals, product of two ideals** **Theorems based on it**
3-Dec-21	**Introduction to Simple Ring, theorems based on it** **Unity ideal and zero ideal**
4-Dec-21	**Principal ideal ring and principal ideal domain** **Some theorems based on it**
5-Dec-21	**SUNDAY**
6-Dec-21	**Maximal ideal, prime ideal, co-maximal ideal** **Theorems based on it**
7-Dec-21	**Nilpotent ideal, nil ideal** **Examples based on it**
8-Dec-21	**Quotient Rings** **Theorems based on it**
9-Dec-21	**Exercise**
10-Dec-21	**Class test**
11-Dec-21	**Ring Homomorphism and its theorem** **Kernel of a Ring Homomorphism and its theorems**
12-Dec-21	**SUNDAY**
13-Dec-21	**Examples based on them** **Fundamental theorem of Homomorphism**
14-Dec-21	**Converse of fundamental theorem** **Second theorem of Isomorphism**
15-Dec-21	**Third theorem of Isomorphism**

	Theorems continued
16-Dec-21	**Examples based on them** **Embedding of Rings and its theorem**
17-Dec-21	**Field of quotient of an intrgral domain** **Theorems amd examples based on it**
18-Dec-21	**Exercise**
19-Dec-21	**SUNDAY**
20-Dec-21	**Class test**
21-Dec-21	**Introduction to Euclidean ring** **Some important definition** **Theorems**
22-Dec-21	**Associates, prime and irreducible element, gaussian integer and its theorems**
23-Dec-21	**Proper and improper divisors, greatest common divisor and its theorem**
24-Dec-21	**Euclidean ring examples and its theorems**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Principal ideal domain and its theorems**
28-Dec-21	**Theorems continued**
29-Dec-21	**Examples**
30-Dec-21	**Exercise**
31-Dec-21	**Class test**
1-Jan-22	**Introduction to Polynomial Rings, polynomial over a ring,degree of a polynomial and its theorem**
2-Jan-22	**SUNDAY**
3-Jan-22	**Polynomial ring over a ring its theorem, set of constant polynomial and its theorem**
4-Jan-22	**Polynomials over an integral domain its theorem** **Polynomials over a field amd its theorem**
5-Jan-22	**Ring of polynomials in n variables, divisibility of polynomials and some definitions**
6-Jan-22	**Division Algorithm for F[x]**

	Theorems and examples based on it
7-Jan-22	**Unique factorization domain** **Theorems based on it**
8-Jan-22	**Ascending chain condition for PID** **Theorems based on it**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Irreducible polynomial and its theorem** **Gauss lemma**
11-Jan-22	**Converse of gauss lemma** **Some theorems**
12-Jan-22	**Theorems continued**
13-Jan-22	**Eisenstein's irreducibility criterion and its theorem**
14-Jan-22	**Examples**
15-Jan-22	**Exercise**
16-Jan-22	**SUNDAY**
17-Jan-22	**Class test**
18-Jan-22	**Revision of Unit-1**
19-Jan-22	**Revision of Unit-1**
20-Jan-22	**Test of Unit-1**
21-Jan-22	**Revision of Unit-2**
22-Jan-22	**Revision of Unit-2**
23-Jan-22	**SUNDAY**
24-Jan-22	**Test of Unit-2**
25-Jan-22	**Revision of Unit-3**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision of Unit-3**
28-Jan-22	**Revision of Unit-4**
29-Jan-22	**Revision of Unit-4**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Mrs. Shilpa Khetan

Class And Section: B.Sc 2nd Year(3rd Sem)

Subject: Statics

Mode Of Teaching:Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	Orientation of the Students
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Introduction to Statics Preliminaries**
05-Oct-21	**Forces acting at a point Resultant and Component Parallelogram law of forces**
06-Oct-21	**Magnitude and Direction of Resultant Example and Exercise**
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	**Exercise Problems**
09-Oct-21	**Resolution of a given force in two given direction, Resolved parts of forces, Examples**
10-Oct-21	**SUNDAY**
11-Oct-21	**Exercise problems**
12-Oct-21	**Triangle law of forces, Examples**
13-Oct-21	**Exercise problems**
14-Oct-21	**Lami's Theorem and its Examples**
15-Oct-21	**Dussehra**
16-Oct-21	**Exercise problems**
17-Oct-21	**SUNDAY**
18-Oct-21	**Polygon law of forces, Theorem of resolved parts,examples**
19-Oct-21	**Exercise problems**
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	**Equillibrium of body placed on a smooth inclined plane, Examples**
22-Oct-21	**Exercise problems**
23-Oct-21	**Doubts of Chapter-1**
24-Oct-21	**SUNDAY**
25-Oct-21	**Class test**
26-Oct-21	**Parallel forces Definition, Resultant of two unequal unlike parallel forces, Analogue of Lami's Theorem**
27-Oct-21	**Centre of parallel forces, Theorems of resolved parts for parallel forces**
28-Oct-21	**Examples and Exercise**
29-Oct-21	**Doubts**

30-Oct-21	**Moments** **Moments of force about a point, Examples and Exercise**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Varigon's Theorem, Generalization of Varigon's theorem of moments**
09-Nov-21	**Resultant of system of coplanar forces, example and exercise**
10-Nov-21	**Centre of a number of parallel forces,** **Moment of a forces about a line,** **Varigon's theorem on moment about a line**
11-Nov-21	**Examples and Exercise**
12-Nov-21	**Doubts**
13-Nov-21	**Couples** **Introduction to Couples,** **Moment of Couples,** **Equillibrium of two couples, Equivalence and equillibrium of two couples in same and parallel planes**
14-Nov-21	**SUNDAY**
15-Nov-21	**Some Theorems on Couple, Examples and Exercise**
16-Nov-21	**Resultant of force and a couple, Resolution of a force and a couple, Examples and Exercise**
17-Nov-21	**Doubts**
18-Nov-21	**Test of Unit-1**
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	**Analytical Condition of equillibrium of coplanar forces** **Equillibrium of three forces acting at a point,** **Trignometrical Theorem, Examples**
21-Nov-21	**SUNDAY**
22-Nov-21	**Exercise problems**
23-Nov-21	**Condition of equillibrium, examples and exercise**
24-Nov-21	**Friction** **Kinds pf friction** **Law of statical friction** **Co-efficient of friction, Angle of friction, cone of friction**
25-Nov-21	**Finding problems on friction**
26-Nov-21	**Examples and exercise**
27-Nov-21	**Doubts**
28-Nov-21	**SUNDAY**
29-Nov-21	**Test of Chapter-5,6**
30-Nov-21	**Centre of Gravity** **Introduction to centre of gravity**
1-Dec-21	**Theorems**

2-Dec-21	**Examples and exercise**
3-Dec-21	**Centre of gravity by integration** **Centre of gravity of thin uniform rod** **Uniform triangular lamina, parallelogram lamina, tetrahedron**
4-Dec-21	**Examples**
5-Dec-21	**SUNDAY**
6-Dec-21	**Exercise**
7-Dec-21	**Test of Chapter Centre of gravity**
8-Dec-21	**Virtual Work** **Introduction to Virtual Work,** **Principal of virtual work on coplanar forces**
9-Dec-21	**Examples**
10-Dec-21	**Exercise**
11-Dec-21	**Doubts**
12-Dec-21	**SUNDAY**
13-Dec-21	**Test of Chapter-7,8**
14-Dec-21	**Forces in three dimension** **Introduction to parallelopiped of forces,** **Axis of a couple,** **Composition of couples, theorems**
15-Dec-21	**Examples**
16-Dec-21	**Exercise**
17-Dec-21	**Doubts**
18-Dec-21	**Test of chapter-9**
19-Dec-21	**SUNDAY**
20-Dec-21	**Wrenches** **Introduction** **Theorems** **Resultant wrench of two given wrenches**
21-Dec-21	**Some theorems**
22-Dec-21	**Examples**
23-Dec-21	**Exercise**
24-Dec-21	**Doubts**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Test of Chapter-10**
28-Dec-21	**Null lines and Null planes** **Definition and Theorem**
29-Dec-21	**Remaining Theorems**
30-Dec-21	**Examples**
31-Dec-21	**Exercise**
1-Jan-22	**Doubts**
2-Jan-22	**SUNDAY**
3-Jan-22	**Test of Chapter Null lines and Null planes**
4-Jan-22	**Stable, Unstable and Neutral Equillibrium** **Equillibrium of bodies, position of equillibrium**
5-Jan-22	**Theorems**
6-Jan-22	**A body resting inside other fixed concave body**

7-Jan-22	**Theorem**
8-Jan-22	**Examples**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Exercise**
11-Jan-22	**Doubts**
12-Jan-22	**Test of Chapter Stable, Unstable and Neutral Equillibrium**
13-Jan-22	**Revision- Unit-1**
14-Jan-22	**Doubts of Unit-1**
15-Jan-22	**Doubts of Unit-1**
16-Jan-22	**SUNDAY**
17-Jan-22	**Test of Unit-1**
18-Jan-22	**Revision of Unit-2**
19-Jan-22	**Doubts of Unit-2**
20-Jan-22	**Doubts of Unit-2**
21-Jan-22	**Test of Unit-2**
22-Jan-22	**Revision of Unit-3**
23-Jan-22	**SUNDAY**
24-Jan-22	**Doubts of Unit-3**
25-Jan-22	**Doubts of Unit-3**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision of Unit-4**
28-Jan-22	**Doubts of Unit-4**
29-Jan-22	**Test of Unit-4**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Dr.RadhikaUrmalia

Class And Section: B.Sc Medical 1st Semester

Subject: Cell Biology

Mode Of Teaching: online and offline both

Lectures Per Week: 27

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of syllabus
05-Oct-21	Introduction of prokaryotic cell
06-Oct-21	Introduction of Eukaryotic cell
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Structure and function of cell wall
12-Oct-21	Structure and function of plasma membrane
13-Oct-21	Structure and function of Golgi appratus
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Structure and function of Endoplasmic reticulum
19-Oct-21	Structure and function of Lysosomes
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Structure and function of peroxisomes
26-Oct-21	Structure and function of vacuoles

27-Oct-21	Structure and function of Chloroplast
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Structure and function of Chloroplast
16-Nov-21	Structure and function of Mitochondria
17-Nov-21	Structure and function of Mitochondria
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Structure and function of Nucleus
23-Nov-21	Structure and function of Nucleus
24-Nov-21	Structure and function of Nucleolus
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Morphology of chromosome
30-Nov-21	Ultra structure of chromosome
1-Dec-21	Account on kinetochore
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Account on centromere and telomere

7-Dec-21	General account on cell cycle
8-Dec-21	Cell division: Mitosis
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Cell division: Meiosis
14-Dec-21	Cell division: Meiosis
15-Dec-21	Cell check points and significance
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Important features and life cycle of *Puccinia*
21-Dec-21	Important features and life cycle of *Puccinia*
22-Dec-21	Important features and life cycle of *Agaricus*
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Chromosomal aberrations: Structural
28-Dec-21	Chromosomal aberrations: Structural
29-Dec-21	Chromosomal aberrations: Structural
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Chromosomal aberrations: Numerical
4-Jan-22	Chromosomal aberrations: Numerical
5-Jan-22	Chromosomal aberrations: Numerical
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Sex chromosomes
11-Jan-22	Sex chromosomes
12-Jan-22	Sex chromosomes
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**

17-Jan-22	Sex determination in plants
18-Jan-22	Sex determination in plants
19-Jan-22	Sex determination in plants
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. RadhikaUrmalia

Class And Section: B.Sc Medical 1st Semester

Subject: Diversity of microbes and cryptogams

Mode Of Teaching: online and offline both

Lectures Per Week: 27

Date	**Topic to be Covered**
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of syllabus
05-Oct-21	Structure of bacteria
06-Oct-21	Nutrition of bacteria
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Reproduction of bacteria
12-Oct-21	Economic importance of bacteria
13-Oct-21	General account on cyanobacteria
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	General characters of *Nostoc*
19-Oct-21	Life cycle of *Nostoc*
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	General characters of algae
26-Oct-21	Classification and economic importance of algae
27-Oct-21	General account on algal blooms
28-Oct-21	
29-Oct-21	

30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Important features and life cycle of *Volvox*
16-Nov-21	Important features and life cycle of *Volvox*
17-Nov-21	Important features and life cycle of Oedogonium
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Important features and life cycle of *Vaucheria*
23-Nov-21	Important features and life cycle of *Ectocarpus*
24-Nov-21	Important features and life cycle of *Ectocarpus*
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Important features and life cycle of *Polysiphonia*
30-Nov-21	General account on Virus
1-Dec-21	TMV virus structure
2-Dec-21	Structure of Bacteriophages
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	General characters of Fungi
7-Dec-21	Classification of fungi
8-Dec-21	Economic importance of fungi
9-Dec-21	
10-Dec-21	

11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	General account of lichens
14-Dec-21	General account of lichens
15-Dec-21	Important features and life cycle of *Phytophthora*
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Important features and life cycle of *Mucor*
21-Dec-21	Important features and life cycle of *Penicillium*
22-Dec-21	Important features and life cycle of *Penicillium*
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Important features and life cycle of *Puccinia*
28-Dec-21	Important features and life cycle of *Puccinia*
29-Dec-21	Important features and life cycle of *Agaricus*
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Important features and life cycle of *Agaricus*
4-Jan-22	Important features and life cycle of *Colletotrichum*
5-Jan-22	Plant pathology
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Plant pathology
11-Jan-22	Plant pathology
12-Jan-22	Review on life cycles of Algae
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Review on life cycles of Algae
18-Jan-22	Review on life cycles of Fungi
19-Jan-22	Review on life cycles of Fungi
20-Jan-22	
21-Jan-22	
22-Jan-22	

23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Jasvinder Kour

Class And Section: B.Sc. Biotechnology 3rd Year

Subject: Recombinant DNA Technology (BT-502)

Mode Of Teaching: Offline

Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	**Orientation**
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Introduction of syllabus**
09-Oct-21	**No Class**
10-Oct-21	**SUNDAY**
11-Oct-21	**Gene Recombination and Gene transfer: Bacterial Conjugation**
12-Oct-21	**No Class**
13-Oct-21	**Transformation, Transduction**
14-Oct-21	**Episomes, Plasmids**
15-Oct-21	**Dussehra**
16-Oct-21	**No Class**
17-Oct-21	**SUNDAY**
18-Oct-21	**Microinjection, Electroporation**
19-Oct-21	**No Class**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Microprojectile, Shot Gun method**
22-Oct-21	**No Class**
23-Oct-21	**No Class**
24-Oct-21	**SUNDAY**
25-Oct-21	**Ultrasonication, Liposome fusion**
26-Oct-21	**No Class**
27-Oct-21	**Microlaser**
28-Oct-21	**Changing genes: site-directed mutagenesis**
29-Oct-21	**No Class**
30-Oct-21	**No Class**
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Changing genes: site-directed mutagenesis**
09-Nov-21	**No Class**
10-Nov-21	**Protein engineering: Primer extension is a simple method for site directed mutation**
11-Nov-21	**Protein engineering: Primer extension is a simple method for site directed mutation**
12-Nov-21	**No Class**
13-Nov-21	**No Class**
14-Nov-21	**SUNDAY**
15-Nov-21	**PCR based site directed mutagenesis**
16-Nov-21	**No Class**
17-Nov-21	**PCR based site directed mutagenesis**
18-Nov-21	**Random mutagenesis**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**No Class**
21-Nov-21	**SUNDAY**
22-Nov-21	**Random mutagenesis**
23-Nov-21	**No Class**
24-Nov-21	**Use of Phage display techniques to facilitate the selection of mutant peptides**
25-Nov-21	**Use of Phage display techniques to facilitate the selection of mutant peptides**
26-Nov-21	**No Class**
27-Nov-21	**No Class**
28-Nov-21	**SUNDAY**
29-Nov-21	**Gene shuffling**
30-Nov-21	**No Class**
1-Dec-21	**Test**
2-Dec-21	**Production of chimeric proteins**
3-Dec-21	**No Class**
4-Dec-21	**No Class**
5-Dec-21	**SUNDAY**
6-Dec-21	**Genetic engineering in animals: Production of transgenic mice**
7-Dec-21	**No Class**
8-Dec-21	**ES cells can be used for gene targeting in mice**
9-Dec-21	**ES cells can be used for gene targeting in mice**
10-Dec-21	**No Class**
11-Dec-21	**No Class**

12-Dec-21	**SUNDAY**
13-Dec-21	**Applications of gene targeting**
14-Dec-21	**No Class**
15-Dec-21	**Using Yeast to study Eukaryotic gene function**
16-Dec-21	**Using Yeast to study Eukaryotic gene function**
17-Dec-21	**No Class**
18-Dec-21	**No Class**
19-Dec-21	**SUNDAY**
20-Dec-21	**Therapeutic products produced by genetic engineering-blood proteins**
21-Dec-21	**No Class**
22-Dec-21	**Human hormones**
23-Dec-21	**immune modulators and vaccines**
24-Dec-21	**No Class**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Transgenic animals**
28-Dec-21	**No Class**
29-Dec-21	**Transgenic animals**
30-Dec-21	**Production of proteins of Pharmaceutical value**
31-Dec-21	**No Class**
1-Jan-22	**No Class**
2-Jan-22	**SUNDAY**
3-Jan-22	**Test**
4-Jan-22	**No Class**
5-Jan-22	**Test Discussion**
6-Jan-22	**Genetic engineering in plants: Use of Agrobacterium tumefaciens**
7-Jan-22	**No Class**
8-Jan-22	**No Class**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Genetic engineering in plants: Use of Agrobacterium tumefaciens**
11-Jan-22	**No Class**
12-Jan-22	**Genetic engineering in plants: Use of Arhizogenes**
13-Jan-22	**Ti plasmids, Strategies for gene transfer to plant cells**

14-Jan-22	**No Class**
15-Jan-22	**No Class**
16-Jan-22	**SUNDAY**
17-Jan-22	**Direct DNA transfer to plants**
18-Jan-22	**No Class**
19-Jan-22	**Gene targeting in plants**
20-Jan-22	**Use of plant viruses as episomal expression vectors**
21-Jan-22	**No Class**
22-Jan-22	**No Class**
23-Jan-22	**SUNDAY**
24-Jan-22	**Previous question paper discussion**
25-Jan-22	**No Class**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	**No Class**
29-Jan-22	**No Class**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Jasvinder Kour

Class And Section: B.Sc. Biotechnology 2nd Year

Subject: Plant Diversity II (BT-304)

Mode Of Teaching: Offline

Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	**Orientation**
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**No Class**
05-Oct-21	**No Class**
06-Oct-21	**No Class**
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Syllabus Discussion**
09-Oct-21	**General characters of pteridophytes**
10-Oct-21	**SUNDAY**
11-Oct-21	**No Class**
12-Oct-21	**No Class**
13-Oct-21	**No Class**
14-Oct-21	**affinities with bryophytes & gymnosperms**
15-Oct-21	**Dussehra**
16-Oct-21	**classification, economic importance**
17-Oct-21	**SUNDAY**
18-Oct-21	**No Class**
19-Oct-21	**No Class**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Study of life histories of fossil Pteridophytes – Rhynia**
22-Oct-21	**Study of life histories of fossil Pteridophytes – Rhynia**
23-Oct-21	**Life histories of Selaginella**
24-Oct-21	**SUNDAY**
25-Oct-21	**No Class**
26-Oct-21	**No Class**
27-Oct-21	**No Class**
28-Oct-21	**Life histories of Selaginella**
29-Oct-21	**Life histories of Selaginella**
30-Oct-21	**Heterospory and seed habit**
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**No Class**
09-Nov-21	**No Class**
10-Nov-21	**No Class**
11-Nov-21	**Equisetum**
12-Nov-21	**Equisetum**
13-Nov-21	**Equisetum**
14-Nov-21	**SUNDAY**
15-Nov-21	**No Class**
16-Nov-21	**No Class**
17-Nov-21	**No Class**
18-Nov-21	**Pteris**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Pteris & Test**
21-Nov-21	**SUNDAY**
22-Nov-21	**No Class**
23-Nov-21	**No Class**
24-Nov-21	**No Class**
25-Nov-21	**Pteris**
26-Nov-21	**Lycopodium**
27-Nov-21	**Lycopodium**
28-Nov-21	**SUNDAY**
29-Nov-21	**No Class**
30-Nov-21	**No Class**
1-Dec-21	**No Class**
2-Dec-21	**Lycopodium**
3-Dec-21	**General characters of Gymnosperms**
4-Dec-21	**classification**
5-Dec-21	**SUNDAY**
6-Dec-21	**No Class**
7-Dec-21	**No Class**
8-Dec-21	**No Class**
9-Dec-21	**geological time scale**
10-Dec-21	**theories of fossil formation**
11-Dec-21	**theories of fossil formation**
12-Dec-21	**SUNDAY**
13-Dec-21	**No Class**

14-Dec-21	**No Class**
15-Dec-21	**No Class**
16-Dec-21	**types of fossils**
17-Dec-21	**fossil gymnosperms - Williamsonia & Glossopteris**
18-Dec-21	**fossil gymnosperms - Williamsonia & Glossopteris**
19-Dec-21	**SUNDAY**
20-Dec-21	**No Class**
21-Dec-21	**No Class**
22-Dec-21	**No Class**
23-Dec-21	**telome and steel concept**
24-Dec-21	**telome and steel concept**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**No Class**
28-Dec-21	**No Class**
29-Dec-21	**No Class**
30-Dec-21	**Test**
31-Dec-21	**Test Discussion**
1-Jan-22	**Life histories of Cycas**
2-Jan-22	**SUNDAY**
3-Jan-22	**No Class**
4-Jan-22	**No Class**
5-Jan-22	**No Class**
6-Jan-22	**Life histories of Cycas**
7-Jan-22	**Life histories of Cycas**
8-Jan-22	**Life histories of Cycas**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**No Class**
11-Jan-22	**No Class**
12-Jan-22	**No Class**
13-Jan-22	**Life histories of Pinus**
14-Jan-22	**Life histories of Pinus**
15-Jan-22	**Life histories of Pinus**
16-Jan-22	**SUNDAY**
17-Jan-22	**No Class**
18-Jan-22	**No Class**
19-Jan-22	**No Class**
20-Jan-22	**economic importance of gymnosperms**
21-Jan-22	**Doubt class**
22-Jan-22	**Previous question paper discussion**
23-Jan-22	**SUNDAY**
24-Jan-22	**No Class**
25-Jan-22	**No Class**

26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	**Revision**
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Jasvinder Kour

Class And Section: B.Sc. Biotechnology 1st Year

Subject: Plant Diversity I and Bioprospecting (BT-102)

Mode Of Teaching: Offline

Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Orientation**
09-Oct-21	**Introduction of students**
10-Oct-21	**SUNDAY**
11-Oct-21	**General character of Algae**
12-Oct-21	**No Class**
13-Oct-21	**classification and economic importance**
14-Oct-21	**No Class**
15-Oct-21	**Dussehra**
16-Oct-21	**No Class**
17-Oct-21	**SUNDAY**
18-Oct-21	**Chlorophyceae – Volvox**
19-Oct-21	**No Class**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**No Class**
22-Oct-21	**Chlorophyceae – Volvox**
23-Oct-21	**No Class**
24-Oct-21	**SUNDAY**
25-Oct-21	**Chlorophyceae – Oedogonium**
26-Oct-21	**No Class**
27-Oct-21	**Chlorophyceae – Oedogonium**
28-Oct-21	**No Class**
29-Oct-21	**Xantho phyceae –Vaucheria**

30-Oct-21	**No Class**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Phaeophyceae – Ectocarpus**
09-Nov-21	**No Class**
10-Nov-21	**Phaeophyceae – Ectocarpus**
11-Nov-21	**No Class**
12-Nov-21	**Rhodophyceae-Polysiphonia**
13-Nov-21	**No Class**
14-Nov-21	**SUNDAY**
15-Nov-21	**Test**
16-Nov-21	**No Class**
17-Nov-21	**General characters of Fungi**
18-Nov-21	**No Class**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**No Class**
21-Nov-21	**SUNDAY**
22-Nov-21	**classification & economic importance**
23-Nov-21	**No Class**
24-Nov-21	**Mastigomycontina- Phytophthora**
25-Nov-21	**No Class**
26-Nov-21	**Mastigomycontina- Phytophthora**
27-Nov-21	**No Class**
28-Nov-21	**SUNDAY**
29-Nov-21	**Zygomycotina-Mucor**
30-Nov-21	**No Class**
1-Dec-21	**Ascomycotina- Saccharomyces**
2-Dec-21	**No Class**
3-Dec-21	**Basidomycotina-Agaricus**
4-Dec-21	**No Class**
5-Dec-21	**SUNDAY**
6-Dec-21	**Basidomycotina-Agaricus**
7-Dec-21	**No Class**

8-Dec-21	**Deutromycotina-Colletotrichum**
9-Dec-21	**No Class**
10-Dec-21	**Deutromycotina-Colletotrichum**
11-Dec-21	**No Class**
12-Dec-21	**SUNDAY**
13-Dec-21	**Classification and General structure of Lichens**
14-Dec-21	**No Class**
15-Dec-21	**Reproduction**
16-Dec-21	**No Class**
17-Dec-21	**economic importance**
18-Dec-21	**No Class**
19-Dec-21	**SUNDAY**
20-Dec-21	**Plant diseases:**
21-Dec-21	**No Class**
22-Dec-21	**Rust & Smut of Wheat**
23-Dec-21	**No Class**
24-Dec-21	**Rust & Smut of Wheat**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Test**
28-Dec-21	**No Class**
29-Dec-21	**White rust of Crucifers**
30-Dec-21	**No Class**
31-Dec-21	**Late blight of Potato**
1-Jan-22	**No Class**
2-Jan-22	**SUNDAY**
3-Jan-22	**Red rot of Sugarcane**
4-Jan-22	**No Class**
5-Jan-22	**Citrus Canker**
6-Jan-22	**No Class**
7-Jan-22	**General characters of Bryophytes**
8-Jan-22	**No Class**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**classification & economic importance**
11-Jan-22	**No Class**
12-Jan-22	**Marchantia**
13-Jan-22	**No Class**
14-Jan-22	**Marchantia**
15-Jan-22	**No Class**
16-Jan-22	**SUNDAY**

17-Jan-22	**Funaria**
18-Jan-22	**No Class**
19-Jan-22	**Funaria**
20-Jan-22	**No Class**
21-Jan-22	**Previous question paper discussion**
22-Jan-22	**No Class**
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision**
25-Jan-22	**No Class**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**No Class**
28-Jan-22	**Revision**
29-Jan-22	**No Class**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Dr.Mamta Singh

Class And Section: B.Sc(med), Sem-I Section A and B

Subject: Life and Diversity from Protozoa to Helminthes(Paper 1.1)

Mode Of Teaching: Offline

Lectures Per Week: 27

Date	**Topic to be Covered**
01-Oct-21	Introduction of syllabus and Books
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Phylum-Protozoa -General characters and classification up to orderlevel
09-Oct-21	Topic continued
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	Biodiversity and economicimportance
15-Oct-21	**Dussehra**
16-Oct-21	Topic continued
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Type study of Plasmodium;
22-Oct-21	Topic continued
23-Oct-21	Topic continued

24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	Topic continued
29-Oct-21	Parasitic protozoans: Life history, mode of infection and pathogenicity of Entamoeba, Trypanosoma
30-Oct-21	Leishmaniaand Giardia.
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	Test/Assignment
12-Nov-21	Phylum- Porifera: General characters and classification up to order level.
13-Nov-21	Topic continued
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	Biodiversity and economicimportance
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Type study -Sycon.
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	Continued
26-Nov-21	Continued
27-Nov-21	Canal system insponges
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	

1-Dec-21	
2-Dec-21	Topic continued
3-Dec-21	Spicules in sponges
4-Dec-21	Topic continued
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	Test/Assignment
10-Dec-21	Phylum – Coelentrata : General characters and classification up to orderlevel
11-Dec-21	Topic continued
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	Biodiversity, economic importance
17-Dec-21	Type Study -Obelia
18-Dec-21	Topic continued
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	Topic continued
24-Dec-21	Topic continued
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	Corals and coral reefs
31-Dec-21	Polymorphism in Siphonophores
1-Jan-22	Topic continued
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	Test/Assignment
7-Jan-22	Phylum - Helminths: General characters and classification up to orderlevel
8-Jan-22	Topic continued
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**

10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	Biodiversity, economic importance
14-Jan-22	Type study – Fasciola hepatica
15-Jan-22	Topic continued
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	Topic continued
21-Jan-22	Topic continued
22-Jan-22	Helminths parasites: Brief account of life history, mode of infection and pathogenesity of Schistosoma, Ancylostoma
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Trichinella, Wuchereria and Oxyuris
28-Jan-22	Test/assignment
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Dr. Mamta Singh

Class And Section: B.Sc(med), Sem-I, Section A and B

Subject: Cell Biology Paper 1.2

Mode Of Teaching: Offline

Lectures Per Week:27

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of Syllabus and books
05-Oct-21	Ultrastructure of different cell organelles of animal cell.
06-Oct-21	Topic continued
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Plasma Membrane: Fluid mosaic model, various modes of transport across the membrane
12-Oct-21	Mechanism of active and passive transport, endocytosis and exocytosis
13-Oct-21	Endoplasmic reticulum (ER): types, role of ER in protein synthesis and transportation in animal cell.
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Topic continued
19-Oct-21	Goigi complex: Structure, Associated enzymes and role of golgi-complex in animal cell.
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Topic continued
26-Oct-21	Test/ Assignment
27-Oct-21	Ribosomes: Types, biogenesis and role in protein synthesis.
28-Oct-21	
29-Oct-21	

30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Topic continued
09-Nov-21	Lysosomes: Structure, enzyme and their role; polymorphism
10-Nov-21	Topic continued
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Topic continued
16-Nov-21	Mitochondria: Mitochondrial DNA; as semiautonomous body, biogenesis
17-Nov-21	Topic continued
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Mitochondrial enzymes (only names), role of mitochondria
23-Nov-21	Topic continued
24-Nov-21	Cytoskeleton: Microtubules, microfilaments, centriole and basal body.
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Topic continued
30-Nov-21	Topic continued
1-Dec-21	Cilia and Flagella
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Topic continued
7-Dec-21	Test/Assignment
8-Dec-21	Ultrastructure and functions of Nucleus: Nuclear· membrane, nuclear lamina,
9-Dec-21	
10-Dec-21	

11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Topic continued
14-Dec-21	fine structure of chromosomes, nucleosome concept and role of histones,
15-Dec-21	Topic continued
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Topic continued
21-Dec-21	Euchromatin and heterochromatin
22-Dec-21	Topic continued
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Lampbrush chromosomes and polytene chromosomes.
28-Dec-21	Topic continued
29-Dec-21	Test/assignment
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Mitosis and Meiosis (Cell reproduction)
4-Jan-22	Topic continued
5-Jan-22	Topic continued
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Brief account of causes of cancer.
11-Jan-22	Topic continued
12-Jan-22	Topic continued
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	An elementary idea of cellular basis of Immunity.
18-Jan-22	Topic continued
19-Jan-22	Test/Assignment
20-Jan-22	

21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: KajalVerma

Class And Section: M.Sc. Chemistry 3rd sem

Subject: Inorganic special 3

Mode Of Teaching: online and offline

Lectures Per Week: 24

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Introduction to metal ions in biological systems
09-Oct-21	General survey of essential and trace metals
10-Oct-21	**SUNDAY**
11-Oct-21	Disturbing factors in metabolic process
12-Oct-21	Causes of disease
13-Oct-21	Different classes of drugs
14-Oct-21	Revision
15-Oct-21	**Dussehra**
16-Oct-21	Test
17-Oct-21	**SUNDAY**
18-Oct-21	Alkali and alkaline earth metal in biological systems
19-Oct-21	Introduction to ionophores
20-Oct-21	Maharishi ValmikiJayanti
21-Oct-21	Active transport of cations across membrane
22-Oct-21	Sodium pump
23-Oct-21	Calcium pump, calcium carriers
24-Oct-21	**SUNDAY**
25-Oct-21	Role of carriers in muscle contraction
26-Oct-21	Blood clotting and harmones
27-Oct-21	Revision
28-Oct-21	Introduction of metal ions with nucleotides
29-Oct-21	Metal ions in nucleotide system
30-Oct-21	Effect of metal ions on nucleic acids.
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test
09-Nov-21	Introduction to oxygen carriers
10-Nov-21	Porphyrins and metalloporphyrins
11-Nov-21	Hemoproteins
12-Nov-21	Structure and function of haemoglobin
13-Nov-21	Structure and function of myoglobin
14-Nov-21	**SUNDAY**
15-Nov-21	Synthetic oxygen carrier model systems
16-Nov-21	Introduction to nitrogen fixation
17-Nov-21	Biological nitrogen fixation
18-Nov-21	Nitrogenase
19-Nov-21	Guru Nanak DevJayanti
20-Nov-21	Model for nitrogenase
21-Nov-21	**SUNDAY**
22-Nov-21	Metal N2 complexes
23-Nov-21	Photosynthesis
24-Nov-21	Chlorophyll
25-Nov-21	Revision
26-Nov-21	Test
27-Nov-21	Metal transport and storage
28-Nov-21	**SUNDAY**
29-Nov-21	Transferrin
30-Nov-21	Ferritin
1-Dec-21	Siderophores
2-Dec-21	Revision
3-Dec-21	Introduction to metalloenzymes
4-Dec-21	Zinc enzymes carboxypeptidase
5-Dec-21	**SUNDAY**
6-Dec-21	Carbonic anhydrase
7-Dec-21	Introduction to iron enzymes
8-Dec-21	Catalase
9-Dec-21	Peroxidase
10-Dec-21	Cytochrome P-450
11-Dec-21	Introduction to copper enzymes
12-Dec-21	**SUNDAY**
13-Dec-21	Superoxide dismutase

14-Dec-21	Blue copper proteins
15-Dec-21	Coenzyme vitamin B12
16-Dec-21	Test
17-Dec-21	Introduction to Atmosphere
18-Dec-21	Atmospheric structure
19-Dec-21	**SUNDAY**
20-Dec-21	Chemical composition of atmosphere
21-Dec-21	Oxides of carbon
22-Dec-21	Carbon and their effects
23-Dec-21	Oxides of sulphur
24-Dec-21	Sulphur and their effects
25-Dec-21	CHRISTMAS DAY
26-Dec-21	**SUNDAY**
27-Dec-21	Revision
28-Dec-21	test
29-Dec-21	Earth's radiation balance
30-Dec-21	Green house effect
31-Dec-21	Acid rain
1-Jan-22	Photochemical smog
2-Jan-22	**SUNDAY**
3-Jan-22	Oxides of nitrogen
4-Jan-22	Nitrogen and their effects
5-Jan-22	Assignment discussion
6-Jan-22	Air quality standards
7-Jan-22	Depletion of ozone
8-Jan-22	Revision
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Doubt class
11-Jan-22	Presentation of unit 1
12-Jan-22	Particulate matter in atmosphere
13-Jan-22	Mechanism of aerosol formation in air
14-Jan-22	Noise pollution
15-Jan-22	Health hazards of noise pollution
16-Jan-22	**SUNDAY**
17-Jan-22	Doubt class
18-Jan-22	Test
19-Jan-22	Assignment discussion
20-Jan-22	Test discussion
21-Jan-22	Revision
22-Jan-22	Presentation of unit 2
23-Jan-22	**SUNDAY**
24-Jan-22	Presentation of unit 2 continue

25-Jan-22	Presentation of unit 3
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Presentation of unit 3 continue
28-Jan-22	Presentation of unit 4
29-Jan-22	Presentation of unit 4 continue

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms. SavitaNailwal

Class And Section: Bsc 5 the semester and section - A&B

Subject: Ecology and Evolution

Mode Of Teaching:offline

Lectures Per Week:27

Date	Topic to be Covered
01-Oct-21	Introduction to the syllabus and discussion about books
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	**Introduction to Ecology**
09-Oct-21	**Continued**
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	**History of Ecology**
15-Oct-21	**Dussehra**
16-Oct-21	**Continued**
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	**Ecology Hierarchy**
22-Oct-21	**Continued**
23-Oct-21	**Different branches and significance of Ecology**
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	**Concepts of habitat and ecological niche**
29-Oct-21	**Continued**
30-Oct-21	**Abiotic factors**
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	**Light and temperature**
12-Nov-21	**Continued**
13-Nov-21	**Humidity,topography,edaphic factors**
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	**Concept and components, properties and functions of Ecosystem**
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	**Continued**
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	**Ecological energetics and energy flow-food chain**
26-Nov-21	**Food web ,trophic structure**
27-Nov-21	**Ecological pyramids ,concept of productivity**
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	**Biogeochemical cycles (concept, reservoir pool)**
3-Dec-21	**Gaseous cycles and sedimentary cycles**
4-Dec-21	**Continued**
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	**Population (Growth and regulation)**
10-Dec-21	**Continued**
11-Dec-21	**Concept and evidences of organic evolution**
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	

15-Dec-21	
16-Dec-21	**Continue**
17-Dec-21	**Theories of organic evolution**
18-Dec-21	**Continued**
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	**Continued**
24-Dec-21	**Continued**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	**Concept of macro-evolution**
31-Dec-21	**Continued**
1-Jan-22	**Continued**
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	**Concept of mega-evolution**
7-Jan-22	**Continued**
8-Jan-22	**Continued**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	**Phylogeny of horse**
14-Jan-22	**Continued**
15-Jan-22	**Evolution of man**
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	**Continued**
21-Jan-22	**Revision**
22-Jan-22	**Revision**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**

27-Jan-22	**Revision**
28-Jan-22	**Test**
29-Jan-22	**Test**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms. Pooja Khatana

Class And Section: M.Sc. Chemistry final year

Subject: Inorganic Special II

Mode Of Teaching:Online and Offline

Lectures Per Week:24 (8 theory and 16 practicals)

Date	Topic to be Covered
01-Oct-21	Basics of nuclear chemistry
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Nuclear binding energy
05-Oct-21	Justification and Applications
06-Oct-21	Nuclear stability rules
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Nuclear stability rules
09-Oct-21	Decay of unstable nuclei
10-Oct-21	**SUNDAY**
11-Oct-21	Revision
12-Oct-21	Nuclear forces
13-Oct-21	Liquid drop model
14-Oct-21	Merits and demerits
15-Oct-21	**Dussehra**
16-Oct-21	Shell model
17-Oct-21	**SUNDAY**
18-Oct-21	Merits and demerits
19-Oct-21	Collective model
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Merits and demerits
22-Oct-21	Revision
23-Oct-21	Test
24-Oct-21	**SUNDAY**
25-Oct-21	Interaction of radiation with matter
26-Oct-21	Physical and chemical effects of radiation on matter
27-Oct-21	Photoelectric effects
28-Oct-21	Photoelectric effect
29-Oct-21	Compton effect
30-Oct-21	Compton effect
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Pair production
09-Nov-21	Pair production
10-Nov-21	Revision
11-Nov-21	Introduction, principle of NAA technique
12-Nov-21	Applications and limitations of NAA techniques
13-Nov-21	Introduction, principle of IDA technique
14-Nov-21	**SUNDAY**
15-Nov-21	Applications and limitations of IDA technique
16-Nov-21	Radiometric titration
17-Nov-21	Radiometric titration
18-Nov-21	Revision
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Test
21-Nov-21	**SUNDAY**
22-Nov-21	Introduction of detection of nuclear radiation
23-Nov-21	Various methods of detecting nuclear radiation
24-Nov-21	Gas filled counter
25-Nov-21	Ionization chamber
26-Nov-21	Ionization chamber
27-Nov-21	Proportional counter
28-Nov-21	**SUNDAY**
29-Nov-21	Proportional counter
30-Nov-21	G.M. counter
1-Dec-21	G.M. counter
2-Dec-21	Scintillation counter
3-Dec-21	Scintillation counter
4-Dec-21	Solid state detector
5-Dec-21	**SUNDAY**
6-Dec-21	Solid state detector
7-Dec-21	Revision
8-Dec-21	Test
9-Dec-21	All numericals
10-Dec-21	Doubt class
11-Dec-21	Test
12-Dec-21	**SUNDAY**
13-Dec-21	Nuclear reaction

14-Dec-21	Laws of nuclear reactions
15-Dec-21	Energetic of nuclear reaction
16-Dec-21	Endoergic and exoergic
17-Dec-21	Elastic and inelastic nuclear rection
18-Dec-21	Disintegration nuclear reaction
19-Dec-21	**SUNDAY**
20-Dec-21	Radiative capture
21-Dec-21	Photodisintegration reaction
22-Dec-21	Types of disintegration reaction
23-Dec-21	Induced reaction by heavy ion particles
24-Dec-21	Evaporation reaction
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Nuclear fission reaction
28-Dec-21	Spallation reaction
29-Dec-21	Nuclear fusion reaction
30-Dec-21	Fragmentation of nuclear reaction
31-Dec-21	Mechanism of nuclear reaction
1-Jan-22	Compound nucleus theory
2-Jan-22	**SUNDAY**
3-Jan-22	Features of compound nucleus theory
4-Jan-22	Verification of compound nucleus theory
5-Jan-22	Limitations
6-Jan-22	Revision
7-Jan-22	Nuclear fission
8-Jan-22	Fission probability
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Fission energy
11-Jan-22	Fission chain reaction
12-Jan-22	Uncontrolled nuclear fission reaction
13-Jan-22	Controlled nuclear fission reaction
14-Jan-22	Thermal neutron
15-Jan-22	Nuclear reactor
16-Jan-22	**SUNDAY**
17-Jan-22	Mechanism of nuclear fission
18-Jan-22	Mechanism of nuclear fission
19-Jan-22	Shell closure effect
20-Jan-22	Nuclear fusion reaction
21-Jan-22	Proton-proton cycle and carbon-nitrogen cycle
22-Jan-22	Breedor reactor
23-Jan-22	**SUNDAY**
24-Jan-22	Linear accelerator
25-Jan-22	Cyclotron

26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Komal Sharma

Class And Section: B.Sc. (Non-medical) 1st semester

Subject: Inorganic chemistry

Mode Of Teaching: offline

Lectures Per Week:2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Joining from 12th October
09-Oct-21	Joining from 12th October
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	Atomic structure: Introduction, De-Broglie Concept
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	Idea of De-Broglie matter waves, problems based on the concept

23-Oct-21	Heisenberg Uncertainty Principle, problems based on the concept
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	Atomic orbitals, Quantum numbers and problems based on quantum numbers
30-Oct-21	Radial and Angular wavefunctions, normalized and orthogonal wave function
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	Probability distribution curves, Shapes of s, p & d orbitals
13-Nov-21	Aufbau and Pauli exclusion principles
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Hund's multiplicity rule& Electronic configurations of the elements,
18-Nov-21	effective nuclear charge & Slater’s rules
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	

21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	Assignment of Atomic Structure
27-Nov-21	Periodic Properties: Introduction, General principles of periodic table
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	Atomic and Ionic Radii, Ionisation Energy and its trend in the periodic table
4-Dec-21	Electron Affinity: definition, methods of evaluation, trends in periodic table
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	Electronegativity: methods of determination, trend in the periodic table (in s & p block elements)
11-Dec-21	Test: Periodic properties
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	Covalent Bond: Introduction, Valence Bond Theory and its limitations
18-Dec-21	Directional character of covalent bond: concept of hybridization
19-Dec-21	**SUNDAY**
20-Dec-21	

21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	Shapes of simple inorganic molecules and ions (as per hybridisation)
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	VSEPR: Postulates and shapes of some simple molecules and ions
1-Jan-22	M.O.T: For Heteronuclear diatomic molecule (CO &NO)
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	Percentage ionic character from dipole moment and electronegativity difference
8-Jan-22	Ionic Solids: Introduction, Types of packing
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	Ionic structures of NaCl, CsCl
15-Jan-22	Ionic Structures: ZnS, CaF_2
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	

20-Jan-22	
21-Jan-22	Radius Ratio Effect and Coordination Number, Limitation of radius ratio rule
22-Jan-22	Lattice Energy, Born-Haber Cycle and problems based on them
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	Solvation Energy and its relation with solubility, Fajan's rule
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Komal Sharma

Class And Section: B.Sc. (Non-Medical) 3rd semester

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Joining from 12th October
05-Oct-21	Joining from 12th October
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Joining from 12th October
12-Oct-21	Nernst distribution law, Nernst distribution thermodynamic derivation
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Modification of distribution law when solute undergo dissociation and numerical problems
19-Oct-21	Modification of distribution law when solute undergo association and numerical problems
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Assignment and test
26-Oct-21	Modification of distribution law when solute undergo chemical combination and numerical problems
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Applications of distribution law
09-Nov-21	determination of degree of hydrolysis and hydrolysis constant of hydrochloride
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Determination of equilibrium constant of potassium tri iodide complex
16-Nov-21	Process of extraction
17-Nov-21	
18-Nov-21	

19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Definition of thermodynamic term: system, surrounding etc. Types of system
23-Nov-21	intensive and extensive properties. State and path functions and their differentials.
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Thermodynamic process Concept of heat and work
30-Nov-21	Zeroth law of thermodynamics.First law of thermodynamics: statement and numerical.
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	definition of internal energy and enthalpy Heat capacity and revision.
7-Dec-21	
8-Dec-21	Heat capacities at constant volume and numerical.
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Heat capacities at constant pressure and numerical.
14-Dec-21	Test
15-Dec-21	
16-Dec-21	
17-Dec-21	

18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Heat capacity relationship. Joule's law
21-Dec-21	Joule Thomson coefficient for ideal gas and real gas: inversion temperature
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Calculation of W, Q, dU,dH for the expansion of ideal gases under isothermal condition for reversible.
28-Dec-21	Calculation of W, Q, dU,dH for the expansion of ideal gases under adiabatic condition for reversible.
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Bond energies and applications of bond energies and numerical.
4-Jan-22	Assignment and test
5-Jan-22	
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Equilibrium constant and free energy
11-Jan-22	concept of chemical potential and its variation with temperature and pressure
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	

16-Jan-22	**SUNDAY**
17-Jan-22	Thermodynamic derivation of law of chemical equilibrium and numerical.
18-Jan-22	Temperature dependence of equilibrium constant, van't hoff 's reaction isochore
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	vant's hoff reaction isotherm and Le-Chatetier's principle and factor affecting it
25-Jan-22	Clausius Clapeyron equation and its applications
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of the Associate/Assistant Professor:Ms. Komal Sharma

Class And Section: B.Sc. (medical) 1st semester section-A

Subject: Inorganic chemistry

Mode Of Teaching:offline

Lectures Per Week:2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	joining from 12th October
05-Oct-21	joining from 12th October
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	joining from 12th October
12-Oct-21	Atomic structure: Introduction, De-Broglie Concept
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Idea of De-Broglie matter waves, problems based on the concept
19-Oct-21	Heisenberg Uncertainty Principle, problems based on the concept
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Atomic orbitals, Quantum numbers and problems based on quantum numbers
26-Oct-21	Radial and Angular wavefunctions, normalized and orthogonal wave function
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Probability distribution curves, Shapes of s, p & d orbitals
09-Nov-21	Aufbau and Pauli exclusion principles
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Hund's multiplicity rule& Electronic configurations of the elements,
16-Nov-21	effective nuclear charge & Slater's rules
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Assignment of Atomic Structure
23-Nov-21	Periodic Properties: Introduction, General principles of periodic table
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Atomic and Ionic Radii,Ionisation Energy and its trend in the periodic table
30-Nov-21	Electron Affinity: definition, methods of evaluation, trends in periodic table
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Electronegativity: methods of determination, trend in the periodic table (in s & p block elements)
7-Dec-21	Test: Periodic properties
8-Dec-21	
9-Dec-21	

10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Covalent Bond: Introduction, Valence Bond Theory and its limitations
14-Dec-21	Directional character of covalent bond: concept of hybridization
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Shapes of simple inorganic molecules and ions (as per hybridisation)
21-Dec-21	VSEPR: Postulates and shapes of some simple molecules and ions
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	M.O.T: For Heteronuclear diatomic molecule (CO &NO)
28-Dec-21	Percentage ionic character from dipole moment and electronegativity difference
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Ionic Solids: Introduction, Types of packing
4-Jan-22	Ionic structures of NaCl, CsCl
5-Jan-22	
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Ionic Structures: ZnS, CaF_2
11-Jan-22	Radius Ratio Effect and Coordination Number, Limitation of radius ratio rule
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Lattice Energy, Born-Haber Cycle and problems based on them
18-Jan-22	Solvation Energy and its relation with solubility, Fajan's rule
19-Jan-22	

20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	assignment
25-Jan-22	revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms. Komal Sharma

Class And Section: B.Sc. (medical) 1st semester section-B

Subject: Inorganic chemistry

Mode Of Teaching:offline

Lectures Per Week:2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Joining from 12th October
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	Atomic structure: Introduction, De-Broglie Concept
14-Oct-21	Idea of De-Broglie matter waves, problems based on the concept
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Heisenberg Uncertainty Principle, problems based on the concept
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Atomic orbitals, Quantum numbers and problems based on quantum numbers
28-Oct-21	Radial and Angular wavefunctions, normalized and orthogonal wave function
29-Oct-21	

30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Probability distribution curves, Shapes of s, p & d orbitals
11-Nov-21	Aufbau and Pauli exclusion principles
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Hund's multiplicity rule& Electronic configurations of the elements,
18-Nov-21	effective nuclear charge & Slater's rules
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	Assignment of Atomic Structure
25-Nov-21	Periodic Properties: Introduction, General principles of periodic table
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Atomic and Ionic Radii, Ionisation Energy and its trend in the periodic table
2-Dec-21	Electron Affinity: definition, methods of evaluation, trends in periodic table
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Electronegativity: methods of determination, trend in the periodic table (in s & p block elements)

9-Dec-21	Test: Periodic properties
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Covalent Bond: Introduction, Valence Bond Theory and its limitations
16-Dec-21	Directional character of covalent bond: concept of hybridization
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Shapes of simple inorganic molecules and ions (as per hybridisation)
23-Dec-21	VSEPR: Postulates and shapes of some simple molecules and ions
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	M.O.T: For Heteronuclear diatomic molecule (CO &NO)
30-Dec-21	Percentage ionic character from dipole moment and electronegativity difference
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Ionic Solids: Introduction, Types of packing
6-Jan-22	Ionic structures of NaCl, CsCl
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Ionic Structures: ZnS, CaF_2
13-Jan-22	Radius Ratio Effect and Coordination Number, Limitation of radius ratio rule
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	

19-Jan-22	Lattice Energy, Born-Haber Cycle and problems based on them
20-Jan-22	Solvation Energy and its relation with solubility, Fajan's rule
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	revision
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms. Reeta Kumari

Class And Section: B.Sc.(N.M) 5th sem,section B

Subject: Solid State Physics

Mode Of Teaching:Offline

Lectures Per Week:3

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	**Introduction about syllabus**
15-Oct-21	**Dussehra**
16-Oct-21	**Crystalline and glassy solids**
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Liquid crystal**
22-Oct-21	**Periodicity of crystal**

23-Oct-21	**Revision**
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	**Lattice and basis**
29-Oct-21	**Crystal translation vectors and axes**
30-Oct-21	**Unit cell and primitive cell**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	**Winger sietz permitive cell**
12-Nov-21	**Symmetry oprations for 2D**
13-Nov-21	**Bravais lattice in 2D**
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	**Bravais lattice in 3D**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Revision**
21-Nov-21	**SUNDAY**

22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	**Test**
26-Nov-21	**Crystal planes**
27-Nov-21	**Miller indices**
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	**Interplanner spacing**
3-Dec-21	**Crystal structure of zinc sulphide**
4-Dec-21	**Crystal structure of diamond**
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	**Crystal structure of NaCl**
10-Dec-21	**Assignment**
11-Dec-21	**X ray diffraction**
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	**Revision**
17-Dec-21	**Test**
18-Dec-21	**Bragg's law**
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	

22-Dec-21	
23-Dec-21	**Experimental Xray diffraction methods**
24-Dec-21	**Experimental Xray diffraction methods**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	**K-space**
31-Dec-21	**Assignment**
1-Jan-22	**Reciprocal lattice and its physical significance**
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	**Reciprocal lattice vector**
7-Jan-22	**Reciprocal lattice to a simple cubic lattice**
8-Jan-22	**Reciprocal lattice to a b.c.c**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	**Reciprocal lattice to a f.c.c**
14-Jan-22	**Specific heat of solids**
15-Jan-22	**Einstein's theory of specific heat**
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	**Debey model of specific heat of solids**

21-Jan-22	**Debey model of specific heat of solids**
22-Jan-22	**Revision**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	**Revision**
29-Jan-22	**revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms. Reeta Kumari

Class And Section: B.Sc.(N.M) 5th sem,section A

Subject: Solid State Physics

Mode Of Teaching:Offline

Lectures Per Week:3

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	**Introduction about syllabus**
13-Oct-21	**Crystalline and glassy solids**
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	**Liquid crystal**
19-Oct-21	**Periodicity of crystal**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	**Lattice and basis**
26-Oct-21	**Crystal translation vectors and axes**
27-Oct-21	**Unit cell and primitive cell**
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Winger sietz permitive cell**
09-Nov-21	**Symmetry oprations for 2D**
10-Nov-21	**Bravais lattice in 2D**
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**Bravais lattice in 3D**
16-Nov-21	**Revision**
17-Nov-21	**Revision**
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	**Test**
23-Nov-21	**Crystal planes**
24-Nov-21	**Miller indices**
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	**Interplanner spacing**
30-Nov-21	**Crystal structure of zinc sulphide**
1-Dec-21	**Crystal structure of diamond**
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	**Crystal structure of NaCl**
7-Dec-21	**Assignment**
8-Dec-21	**X ray diffraction**
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	**Revision**

14-Dec-21	**Test**
15-Dec-21	**Bragg's law**
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	**Experimental Xray diffraction methods**
21-Dec-21	**Experimental Xray diffraction methods**
22-Dec-21	**K-space**
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Assignment**
28-Dec-21	**Reciprocal lattice and its physical significance**
29-Dec-21	**Reciprocal lattice vector**
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	**Reciprocal lattice to a simple cubic lattice**
4-Jan-22	**Reciprocal lattice to a b.c.c**
5-Jan-22	**Reciprocal lattice to a f.c.c**
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Specific heat of solids**
11-Jan-22	**Einstein's theory of specific heat**
12-Jan-22	**Einstein's theory of specific heat**
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	**Debey model of specific heat of solids**
18-Jan-22	**Debey model of specific heat of solids**
19-Jan-22	**Revision**
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision**
25-Jan-22	**revision**

26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr.Shipra Rani Jha

Class And Section: B.Sc Medical 3rdSem (Section A and B)

Subject: Plant Anatomy

Mode Of Teaching: Online/Offline

Lectures Per Week: 27

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction to the Syllabus
05-Oct-21	Tissues: Meristematic and Permanent
06-Oct-21	Simple Permanent Tissues
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Simple Permanent Tissues: Sclerenchymatous Tissues
12-Oct-21	Complex Tissues: Xylem and Phloem
13-Oct-21	Components of Phloem
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Secretory Tissues
19-Oct-21	Vascular Tissue System
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Shoot Apical Meristem
26-Oct-21	Histological Organization of Shoot Apical Meristem
27-Oct-21	Test and Assignment
28-Oct-21	
29-Oct-21	
30-Oct-21	

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Vascular Cambium and its structure
09-Nov-21	Vascular Cambium and its function
10-Nov-21	Concept of Secondary growth
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Secondary growth in Dicots
16-Nov-21	Sap wood and Heart wood
17-Nov-21	**Periderm**
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Anomalous Secondary growth in Dracaena
23-Nov-21	Anomalous Secondary growth in Boerhaavia
24-Nov-21	Anomalous Secondary growth in Achyranthes
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Types of Leaf: Simple and Compound
30-Nov-21	Test of Anomalous Secondary growth
1-Dec-21	Phyllotaxy
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Epidermis: Uniseriate and multiseriate
7-Dec-21	Assignment
8-Dec-21	Anatomy of Monocot Leaf
9-Dec-21	
10-Dec-21	
11-Dec-21	

12-Dec-21	**SUNDAY**
13-Dec-21	Anatomy of Dicot Leaf
14-Dec-21	Leaf Abscission
15-Dec-21	Stomatal Apparatus
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Stomata and Types
21-Dec-21	Root Apical Meristem
22-Dec-21	Root Apical Meristem: Histological Organization
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test of Unit 3
28-Dec-21	Secondary Growth in Dicot Root
29-Dec-21	Secondary Growth in Dicot Root
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Structural modification in Storage roots
4-Jan-22	Structural modification in Respiratoryroots
5-Jan-22	Structural modification in Epiphytic roots
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Test of Unit 4
11-Jan-22	Revision of Anomalous Secondary growth
12-Jan-22	Assignment
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Revision
18-Jan-22	Revision
19-Jan-22	Oral Test
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**

24-Jan-22	Revision
25-Jan-22	PPT presentation
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Kajal Gaur

Class And Section: B.Sc(Non-Med) 1st Sem

Subject: Organic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Joining from 12th October
05-Oct-21	Joining from 12th October
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Joining from 12th October
12-Oct-21	Introduction of Syllabus
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	**Structure and bonding:** localised and delocalised chemical bond, vander walls interactions
19-Oct-21	Resonance: conditions, resonance effect and it's applications

20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Hyperconjugation
26-Oct-21	Inductive effect and electromeric effect ,comparison of inductive and electromeric effect
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**

15-Nov-21	**Stereochemistry of organic compounds - I :**Concept of isomerism. Types of isomerism Optical isomerism- elements of symmetry, chiral and achiral stereogenic center.
16-Nov-21	Optical activity, properties of enantiomers, chiral and achiral molecules with two stereogenic center. Diastereomers, threo and erythro diastereomers
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Meso compounds, resolution of enantiomers, inversion, retention and racemisation
23-Nov-21	Revision and Doubt Class
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	**Stereochemistry of organic compounds - II :**Relative and absolute configuration, sequence rule, R and S system of nomenclature. Geometric isomerism- determination of configuration of geometric isomers. E and Z system of nomenclature.
30-Nov-21	

1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Conformational isomerism- conformational analysis of ethane and n-butane conformations of cyclohexane, axial and equitorial bonds.
7-Dec-21	Newman projection and sawhorse formulae, Difference between configuration and conformation.
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	**Test of Unit-2**
14-Dec-21	**Mechanisms of organic reactions :**curved arrow notation, drawing electron movements with arrows, half-headed and double-headed arrows, homolytic and heterolytic bond breaking
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Types of reagents- electrophiles and nucleophiles. Types of organic reactions. Energy considerations.
21-Dec-21	Reactive intermediates - carbocations, carbanions, free radicals Carbenes, arynes and nitrenes (formation structure and stability) Assigning formal charge on intermediate and other ionic species
22-Dec-21	
23-Dec-21	

24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test of unit 3
28-Dec-21	**Alkanes and cycloalkanes :**IUPAC nomenclature of branched and unbranched alkanes. Isomerism in alkanes.
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Methods of formation of alkanes: wurtz reaction, Kolbe reaction ,
4-Jan-22	Corey- house reaction and decarboxylation of carboxylic acids) , physical properties
5-Jan-22	
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	.Cycloalkanes - nomenclature, synthesis of cycloalkanes and their derivatives- (2+2) cycloaddition reaction.
11-Jan-22	dehalogenation of α , ώ - dihalides, pyrolysis of calcium or barium salts of dicarboxylic acids.
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Baeyer's strain theory and it's limitations, theory of strainless rings
18-Jan-22	Test of Unit-4

19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Doubt class of whole syllabus
25-Jan-22	Revision of whole syllabus
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms.Kajal Gaur

Class And Section: B.Sc (Medical) 3rdSem, Section- A

Subject: Organic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Joining from 12th October
05-Oct-21	Joining from 12th October
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Joining from 12th October
12-Oct-21	Introduction of Syllabus
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	**Alcohols:** Monohydric Alcohols, Nomenclature and Methods of Formation
19-Oct-21	Hydrogen Bonding and Acidic Nature, Reactions of Alcohols
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	**Dihydric Alcohols:** Nomenclature and Methods of formation
26-Oct-21	Chemical Reactions of Vicinal glycols, Oxidative Cleavage and Pinacol-Pinacolone Rearrangement
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**Epoxides:** Synthesis of epoxides, Acid and base-catalysed ring opening of epoxides
16-Nov-21	Reactions of Grignard and Organolithium reagents with epoxides
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	**Phenols:** Nomenclature, Structure and Bonding, Preparation of Phenols
23-Nov-21	Physical Properties and Acidic Character
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Comparative Acidic Strengths of Alcohols and Phenols, Resonance Stabilization of Phenoxide Ion
30-Nov-21	Reactions of Phenols: Electrophilic Aromatic Substitution
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Mechanisms of Fries Rearrangement, Claisen Rearrangement Reimer-Teimann Reaction, Kolbe's Reaction, Schotten-Baumann Reactions

7-Dec-21	Revision and Test of Unit-2
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	**Ultra-Violet Spectroscopy:** Absorption Laws, Molar Absorptivity, Presentation and analysis of UV spectra
14-Dec-21	Types of electronic Transitions, Effect of Conjugation, Concept of Chromophores and Auxochromes
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Bathochromic, Hypsochromic, Hyperchromic, Hypochromic Shifts. UV Spectra of conjugated dienes and Enones, Woodward-Fieser's Rule: Simple conjugated dienes
21-Dec-21	Woodward-Fieser's rule: alpha-beta unsaturated ketones . Applications of UV spectroscopy in structure elucidation of simple organic molecules
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Revision and Test of Unit-3
28-Dec-21	**Carboxylic Acid and Its derivatives:** Nomenclature of carboxylic acids, structure and bonding, physical properties. Acidity of carboxylic acids, Effects of substituents on acidic strength, preparation of carboxylic acid
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Hell-Vohlard-Zelinski Reaction, Reduction of carboxylic Acids, Mechanism of decarboxylation
4-Jan-22	Structure, Nomenclature and Preparation of Acid Chlorides, esters,amides and acid anhydrides. Relative stabilities of acyl derivatives, physical properties
5-Jan-22	

6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Interconversion of acid derivatives by nucleophilic acyl substitution. Mechanism of Esterification and hydrolysis (Acidic and Basic)
11-Jan-22	Revision of unit-4
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Revision and Test of Unit-1 & 2
18-Jan-22	Revision and Test of Unit-3 & 4
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Doubt class
25-Jan-22	Revision of whole Syllabus
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms.Kajal Gaur

Class And Section: B.Sc (Med) 1st Sem Section- A

Subject: Organic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	**Topic to be Covered**
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Joining from 12th October
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	Introduction of Syllabus
14-Oct-21	**Structure and bonding:** localised and delocalised chemical bond, vander walls interactions
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	

19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Resonance: conditions, resonance effect and it's applications
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Hyperconjugation
28-Oct-21	Inductive effect and electromeric effectcomparison of inductive and electromeric effect
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	**Stereochemistry of organic compounds - I :**Concept of isomerism. Types of isomerism Optical isomerism- elements of symmetry, chiral and achiral stereogeniccenter.
11-Nov-21	Optical activity, properties of enantiomers, chiral and achiral molecules with two stereogeniccenter.Diastereomers, threo and erythrodiastereomers
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**

15-Nov-21	
16-Nov-21	
17-Nov-21	Meso compounds, resolution of enantiomers, inversion, retention and racemisation
18-Nov-21	Revision and Doubt Class
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	**Stereochemistry of organic compounds - II :**Relative and absolute configuration, sequence rule, R and S system of nomenclature. Geometric isomerism-determination of configuration of geometric isomers. E and Z system of nomenclature.
25-Nov-21	Conformational isomerism- conformational analysis of ethane and n-butane conformations of cyclohexane, axial and equatorial bonds
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Newman projection and sawhorse formulae, Difference between configuration and conformation.
2-Dec-21	Test of Unit-2
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	**Mechanisms of organic reactions :**curved arrow notation, drawing electron movements with arrows, half-headed and double-headed arrows, homolytic and heterolytic bond

	breaking
9-Dec-21	Types of reagents- electrophiles and nucleophiles. Types of organic reactions. Energy considerations.
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Reactive intermediates - carbocations, carbanions, free radicals Carbenes,
16-Dec-21	Arynes and nitrenes (formation structure and stability) Assigning formal charge on intermediate and other ionic species
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Test of unit 3.
23-Dec-21	**Alkanes and cycloalkanes :**IUPAC nomenclature of branched and unbranched alkanes. Isomerism in alkanes
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	Methods of formation of alkanes: wurtz reaction, Kolbe reaction ,
30-Dec-21	Corey- house reaction and decarboxylation of carboxylic acids) , physical properties.
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	**Cycloalkanes** - nomenclature, synthesis of cycloalkanes and their derivatives- (2+2) cycloaddition reaction.
6-Jan-22	dehalogenation ofα , ώ - dihalides, pyrolysis

	of calcium or barium salts of dicarboxylic acids.
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Baeyer's strain theory and it's limitations, theory of strainless rings
13-Jan-22	Test of Unit-4
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	Revision of whole syllabus
20-Jan-22	Doubt class of whole syllabus
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision of whole syllabus
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms.Kajal Gaur

Class And Section: B.Sc (Med) 1st Sem Section- B

Subject: Organic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Joining from 12th October
09-Oct-21	Joining from 12th October
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	Introduction of Syllabus
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	**Structure and bonding:** localised and delocalised chemical bond, vander walls interactions
23-Oct-21	Resonance: conditions, resonance effect and it's applications
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	

29-Oct-21	Hyperconjugation
30-Oct-21	Inductive effect and electromeric effectcomparison of inductive and electromeric effect
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	**Stereochemistry of organic compounds - I :**Concept of isomerism. Types of isomerism Optical isomerism- elements of symmetry, chiral and achiral stereogeniccenter.
13-Nov-21	Optical activity, properties of enantiomers, chiral and achiral molecules with two stereogeniccenter.Diastereomers, threo and erythrodiastereomers
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Meso compounds, resolution of enantiomers, inversion, retention and racemisation
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	Test of unit-1

27-Nov-21	**Stereochemistry of organic compounds - II :**Relative and absolute configuration, sequence rule, R and S system of nomenclature. Geometric isomerism- determination of configuration of geometric isomers. E and Z system of nomenclature.
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	Conformational isomerism- conformational analysis of ethane and n-butane conformations of cyclohexane, axial and equatorial bonds
4-Dec-21	Newman projection and sawhorse formulae, Difference between configuration and conformation.
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	Test of Unit-2
11-Dec-21	**Mechanisms of organic reactions :**curved arrow notation, drawing electron movements with arrows, half-headed and double-headed arrows, homolytic and heterolytic bond breaking
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	Reactive intermediates - carbocations, carbanions, free radicals Carbenes,
18-Dec-21	Arynes and nitrenes (formation structure and stability) Assigning formal charge on intermediate and other ionic species
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	

22-Dec-21	
23-Dec-21	
24-Dec-21	Test of Unit-3
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	**Alkanes and cycloalkanes :**IUPAC nomenclature of branched and unbranched alkanes. Isomerism in alkanes
1-Jan-22	Methods of formation of alkanes: wurtz reaction, Kolbe reaction
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	Corey- house reaction and decarboxylation of carboxylic acids) , physical properties.
8-Jan-22	**Cycloalkanes** - nomenclature, synthesis of cycloalkanes and their derivatives- (2+2) cycloaddition reaction.
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	dehalogenation ofα , ώ - dihalides, pyrolysis of calcium or barium salts of dicarboxylic acids.
15-Jan-22	Baeyer's strain theory and it's limitations, theory of strainless rings
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	Test of Unit-4
22-Jan-22	Revision of whole syllabus
23-Jan-22	**SUNDAY**

24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	Doubt class of whole syllabus
29-Jan-22	Revision of whole syllabus

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms Anita

Class And Section: B.Sc (NM) I sem

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: Two

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Unit 1 : Gaseous state : Maxwell distribution of velocities and energy
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	Calculation of root mean square velocity, average velocity and most probable velocity
14-Oct-21	Collision diameter ,number , frequency and mean free path
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Deviation of real gases from ideal behavior

22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Derivation of wonderwall equation of state
28-Oct-21	Calculation of Boyle's temperature
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Explanation of behaviour of real gases
11-Nov-21	Revision and doubt class
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Test 1
18-Nov-21	Unit 2 - Liquid States : Structure of liquid , Surface tension and viscosity
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	

21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	Vapour pressure and Optical rotations
25-Nov-21	Doubt and revision class
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Test 2
2-Dec-21	Discussion of test
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Unit 4 - solid state : Classification of solid
9-Dec-21	Laws of crystallography
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Law of rationality of indices and Miller indices
16-Dec-21	Continued
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	

21-Dec-21	
22-Dec-21	X ray diffraction by crystals
23-Dec-21	Derivation of bragg's equation
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	Powder method
30-Dec-21	Determination of crystal structure of NaCl and KCl
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Test 4
6-Jan-22	Discussion of test
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Liquid crystals : Introduction
13-Jan-22	Difference between solids , liquids and liquid crystals
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	Continue
19-Jan-22	Application of liquid crystals

20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms Anita

Class And Section: B.Sc (NM) I sem

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: Two

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Unit 1 : Gaseous state : Maxwell distribution of velocities and energy
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	Calculation of root mean square velocity, average velocity and most probable velocity
14-Oct-21	Collision diameter ,number , frequency and mean free path
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Deviation of real gases from ideal behavior

22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Derivation of wonderwall equation of state
28-Oct-21	Calculation of Boyle's temperature
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Explanation of behaviour of real gases
11-Nov-21	Revision and doubt class
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Test 1
18-Nov-21	Unit 2 - Liquid States : Structure of liquid , Surface tension and viscosity
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	

21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	Vapour pressure and Optical rotations
25-Nov-21	Doubt and revision class
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Test 2
2-Dec-21	Discussion of test
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Unit 4 - solid state : Classification of solid
9-Dec-21	Laws of crystallography
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Law of rationality of indices and Miller indices
16-Dec-21	Continued
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	

21-Dec-21	
22-Dec-21	X ray diffraction by crystals
23-Dec-21	Derivation of bragg's equation
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	Powder method
30-Dec-21	Determination of crystal structure of NaCl and KCl
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Test 4
6-Jan-22	Discussion of test
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Liquid crystals : Introduction
13-Jan-22	Difference between solids , liquids and liquid crystals
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	Continue
19-Jan-22	Application of liquid crystals

20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Anita

Class And Section: B.Sc. M 5th sem and Sec A

Subject: Inorganic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: Two

Date	**Topic to be Covered**
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	Unit 1 : Metal ligand bonding in transition metal complexes : Introduction
07-Oct-21	Maharaja AgarsenJayanti
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	Limitation of valence bond theory
14-Oct-21	An elementary idea of crystal field theory
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Crystal field splitting in octahedral
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	Crystal field splitting in tetrahedral
28-Oct-21	Crystal field splitting in square planar complexes
29-Oct-21	

30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Factors affecting crystal field parameters
11-Nov-21	Test 1
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Discussion of test
18-Nov-21	Unit 2 : Thermodynamics and kinetic aspects of metal complex introduction
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	A brief outline of thermodynamic stability of metal complex
25-Nov-21	Factors affecting the Kinetic stability of metal complex
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Trans effect
2-Dec-21	Test 2
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Discussion of test
9-Dec-21	Unit 3: Magnetic properties of transition metal complex

10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	Types of magnetic behaviour
16-Dec-21	Methods of determining magnetic susceptibility
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Spin only formula and LS coupling
23-Dec-21	Orbital contribution to magnetic moments
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	Application of magnetic moment data for metal complexes
30-Dec-21	Doubt and revision class
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Test 3
6-Jan-22	Discussion of test
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Unit 4 : electronic spectra of transition metal complex types of electronic transitions
13-Jan-22	Selection rule for d-d transition and spectroscopic ground state
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	Orgel diagram for or d1 and d9 States, discussion of spectrum of complex ion

20-Jan-22	Revision and doubt class
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Test 4
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Komal

Class And Section: B.Sc.(N.M) 5TH Sem., section (A)

Subject: QUANTUM MECHANICS

Mode Of Teaching: Offline

Lectures Per Week: 3

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	Introduction of quantum mechanics
15-Oct-21	**Dussehra**
16-Oct-21	Planck's hypothesis and Planck's radiation law
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Photoelectric effect**

22-Oct-21	Theory of Compton effect & its derivation
23-Oct-21	**Relation between angles of scattered electron and scattered photon**
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	energy of scatterd electron in terms of photon scattering angle Kinetic
29-Oct-21	Kinetic energy of recoil electron in terms of angle of scattering of electron
30-Oct-21	**Experimental verification of Compton effect**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	De-broglie wavelength
12-Nov-21	Experimental verification of wave particle dualism
13-Nov-21	Derivation of **Group velocity**
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	

18-Nov-21	**Relation between group velocity and particle velocity**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Uncertainity principle & its Experimental verification
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	**Time energy uncertainity & applications**
26-Nov-21	**Unit -1 Test**
27-Nov-21	**Time dependent schrodinger equation**
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	Eigen values and Eigen functions Time independent Schrodinger wave equation
3-Dec-21	Physical significance , Normalization, Orthogonality of wave function
4-Dec-21	Operator ,observable , relation between them
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	Derivation of Probability current density
10-Dec-21	One dimensional harmonic oscillator
11-Dec-21	Eigen values of harmonic oscillator, zero point enegy and its significance
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	

15-Dec-21	
16-Dec-21	Harmonic oscillator wave function
17-Dec-21	**Numerical problem on normalization of wave function**
18-Dec-21	**Assignment of time dependent schrodinger wave equation**
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	Derivation of Free particle in one dimensional box
24-Dec-21	Eigen values and eigen functions of one dimensional box
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	Derivation of One dimensional Potential step barrier (E >V0)
31-Dec-21	Reflection coefficients in one dimensional potential step barrier
1-Jan-22	**Derivation of Potential step barrier (E<V0)**
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	**Penetration through the potential barrier**
7-Jan-22	Derivation of penetration depth,
8-Jan-22	**Derivation of one dimensional potential barrier**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	

13-Jan-22	**reflection coefficient & Transmission coefficient of one dimensional barrier**
14-Jan-22	**test on one dimensional box**
15-Jan-22	**Revision of potential step barrier E<V0**
16-Jan-22	
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	**Revision of Reflection coefficient potential step barrier E<V0**
21-Jan-22	**Revision of derivation of Compton effect**
22-Jan-22	**Relation between angle of scattered electron and the scattered photon**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision of Photoelectric effect**
28-Jan-22	**Revision of Heisenberg's gamma ray microscope**
29-Jan-22	**Revision of diffraction of abeam of electron by a slit**

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Komal

Class And Section: : B.Sc.(N.M) 5TH Sem., section (B)

Subject: QUANTUM MECHANICS

Mode Of Teaching: Offline

Lectures Per Week: 3

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	Introduction of quantum mechanics
13-Oct-21	Planck's hypothesis and Planck's radiation law
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	**Photoelectric effect**
19-Oct-21	Theory of Compton effect
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	

22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Derivation of Compton effect
26-Oct-21	**Relation between angles of scattered electron and scattered photon**
27-Oct-21	energy of scatterd electron in terms of photon scattering angle Kinetic
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Kinetic energy of recoil electron in terms of angle of scattering of electron
09-Nov-21	**Experimental verification of Compton effect**
10-Nov-21	**De-broglie wavelength, Heisenberg's gamma ray microscope**
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Experimental verification of wave particle dualism
16-Nov-21	Derivation of **Group velocity**
17-Nov-21	**Relation between group velocity and particle velocity**

18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Uncertainity principle & its Experimental verification
23-Nov-21	**Time energy uncertainity & applications**
24-Nov-21	**Guru Tegh Bahadur's Martyrdom Day**
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	**Unit -1 Test**
30-Nov-21	**Time dependent schrodinger equation**
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Eigen values and Eigen functions Time independent Schrodinger wave equation
7-Dec-21	Physical significance , Normalization, Orthogonality of wave function
8-Dec-21	Operator ,observable , relation between them
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Derivation of Probability current density
14-Dec-21	One dimensional harmonic oscillator

15-Dec-21	Eigen values of harmonic oscillator, zero point enegy and its significance
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Harmonic oscillator wave function
21-Dec-21	**Numerical problem on normalization of wave function**
22-Dec-21	**Assignment of time dependent schrodinger wave equation**
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Derivation of Free particle in one dimensional box
28-Dec-21	Eigen values and eigen functions of one dimensional box
29-Dec-21	Derivation of One dimensional Potential step barrier (E >V0)
30-Dec-21	Reflection coefficients in one dimensional potential step barrier
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	**Derivation of Potential step barrier (E<V0)**
4-Jan-22	**Penetration through the potential barrier**
5-Jan-22	Derivation of penetration depth
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Derivation of one dimensional potential barrier**

11-Jan-22	**reflection coefficient & Transmission coefficient of one dimensional barrier**
12-Jan-22	**test on one dimensional box**
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	**Revision of potential step barrier E<V0**
18-Jan-22	**Revision of Reflection coefficient potential step barrier E<V0**
19-Jan-22	**Revision of derivation of Compton effect**
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**Relation between angle of scattered electron and the scattered photon**
25-Jan-22	**Revision of Photoelectric effect**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of the Associate/Assistant Professor: MS JASVINDER KAUR
Class And Section: B.SC(NON-MED) -2ND YEAR (SEC-A)
Subject: COMPUTER PROGRAMMING, THERMODYNAMICS (PHY-301)

Mode Of Teaching: OFFLINE

Lectures Per Week: 3

Date	Topic to be Covered
01-Oct-21	Joining from 12th October 2021
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agrasen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	Introduction of the syllabus
13-Oct-21	Computer Programming, Introduction to Fortran
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Units of computer, Dimensional array
19-Oct-21	Binary representations, Examples, Functions sub programs

20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Algorithm, Algorithm development
26-Oct-21	Algorithm and its characteristics, Examples
27-Oct-21	Flow chart, Interpretation of flow chart
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Fortran, Integer and floating-point expression, IF, DO, GO TO statements
09-Nov-21	Built in functions, Non executable statement, Input and output statement
10-Nov-21	Doubts, Revision, Assignment
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Second law of thermodynamics, Examples
16-Nov-21	Carnot theorem, Carnot Engine
17-Nov-21	Absolute scale of temperature
18-Nov-21	

19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Absolute zero
23-Nov-21	Difference between work scale and perfect gas scale
24-Nov-21	Unattainability of absolute zero
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Doubts
30-Nov-21	Entropy, Proof of Entropy
1-Dec-21	TS diagram, Nernst heat law
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Porous plug Experiment, Joules free Expansion
7-Dec-21	Liquefaction of gases
8-Dec-21	Air pollution due to internal combustion engine
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Numerical, Assignment
14-Dec-21	Written test
15-Dec-21	Derivation of latent heat equation
16-Dec-21	
17-Dec-21	
18-Dec-21	

19-Dec-21	**SUNDAY**
20-Dec-21	Phase diagram, Triple point of a substance
21-Dec-21	Development of Maxwell Thermo dynamical relations
22-Dec-21	Development of Maxwell Thermo dynamical relations
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Applications of Maxwell relations
28-Dec-21	Doubts
29-Dec-21	Revision
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Significance of Maxwell relations, Assignment
4-Jan-22	Specific Heat, Thermodynamic variables
5-Jan-22	Numerical, Thermodynamic functions
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Relation between various thermodynamic functions
11-Jan-22	Numerical
12-Jan-22	Assignment
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Written test

18-Jan-22	Full syllabus revision
19-Jan-22	Full syllabus revision
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Full syllabus revision
25-Jan-22	Full syllabus revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of the Associate/Assistant Professor: MS JASVINDER KAUR

Class And Section: B.SC(NON-MED) -1ST SEM, SEC-A

Subject: ELECTRICITY AND MAGNETISM (PHY-102)

Mode Of Teaching: OFFLINE

Lectures Per Week:3

Date	Topic to be Covered
01-Oct-21	Joining from 12th October 2021
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agrasen Jayanti**
08-Oct-21	Introduction to the syllabus (Basic ideas about vectors)
09-Oct-21	Different types of vectors, differentiation of a vector
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	Gradient of a scalar and its physical significance
15-Oct-21	**Dussehra**
16-Oct-21	Integration of a vector (line, surface)
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	

20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Integration of a vector (volume integral and their physical significance)
22-Oct-21	Gauss's divergence theorem and stokes' s theorem
23-Oct-21	Numerical problem on vector, Assignment
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	Derivation of Electric field from potential as gradient, derivation of Laplace 's and Poisson's equation
29-Oct-21	Test
30-Oct-21	Electric flux, gauss's law and its application to spherical shell
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	Gauss's law and its application to uniformly charged infinite plane
12-Nov-21	Gauss's law and its application to uniformly charged straight wire
13-Nov-21	Mechanical force of charged surface, Energy per unit volume
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	Numerical, Revision, Assignment

19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Introduction to magnetostatics (magnetic induction, magnetic flux, solenoidal nature of vector field of induction)
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	Properties of magnetic field
26-Nov-21	Electronic theory of diamagnetism and Para magnetism
27-Nov-21	Domain theory of ferromagnetism (langevin's theory)
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	Domain theory of ferromagnetism (langevin's theory)
3-Dec-21	Cycle of magnetization Hysteresis loop (Hysteresis loss)
4-Dec-21	Cycle of magnetization Hysteresis loop (Energy dissipation)
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	Importance of hysteresis curve
10-Dec-21	Revision, conceptual Questions
11-Dec-21	Doubts class, Test
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	Introduction to Electromagnetic theory
17-Dec-21	Introduction to various types of waves
18-Dec-21	Maxwell's equations

19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	Maxwell's equations and their derivations
24-Dec-21	Displacement current
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	Vector and scalar potentials
31-Dec-21	Boundary condition at the interface between two different media
1-Jan-22	Boundary condition at the interface between two different media
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	Electromagnetic waves
7-Jan-22	Propagation of EM waves in free space
8-Jan-22	Poynting vector and Poynting theorem
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	Propagation of EM waves in free space
14-Jan-22	Assignment
15-Jan-22	Doubts class, Revision
16-Jan-22	**SUNDAY**
17-Jan-22	

18-Jan-22	
19-Jan-22	
20-Jan-22	Test
21-Jan-22	Full syllabus revision
22-Jan-22	Full syllabus revision
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Full syllabus revision
28-Jan-22	Full syllabus revision
29-Jan-22	Full syllabus revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: MS JASVINDER KAUR

Class And Section: B.SC(NON-MED) -1ST SEM, SEC-A

Subject: MECHANICS (PHY-101)

Mode Of Teaching: OFFLINE

Lectures Per Week:3

Date	Topic to be Covered
01-Oct-21	Joining from 12th October,2021
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agrasen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	Introduction of the syllabus
13-Oct-21	Basic vector, Forces, Introduction to Mechanics
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Mechanics of a single Particle, Linear momentum
19-Oct-21	Angular Momentum Conservation of Single particle

20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Energy of Conservation of Single Mechanical Particle
26-Oct-21	Mechanics of a system of particle
27-Oct-21	Conservation Laws of System of particles
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Conservation laws for system of particles
09-Nov-21	Conservation theorem for total angular momentum of a system of particles in terms of C.M.
10-Nov-21	Conservation theorem for total energy of the system of 'N' particles
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Constrained Motion, Classification of constrained motion
16-Nov-21	Revision, Assignment
17-Nov-21	Introduction Generalized Coordinates
18-Nov-21	

19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Gc (Displacement, velocity, Acceleration)
23-Nov-21	**TEST**
24-Nov-21	Generalized Momentum, Generalized energy, Generalized Force and Potential
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Revision, Assignment
30-Nov-21	Hamilton's Variational Principle, Lagrange's equation of motion from Hamilton's Variational Principle
1-Dec-21	Linear harmonic oscillator, simple pendulum
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Numerical, Harmonic Oscillator
7-Dec-21	Atwood Machine, Assignment, Rotation of rigid body, moment of inertia
8-Dec-21	Test, Revision
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Torque, Angular momentum, kinetic energy of Rotation
14-Dec-21	Theorems of perpendicular and parallel axes with proof
15-Dec-21	Moment of inertia of solid sphere, Hollow sphere
16-Dec-21	

17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Spherical shell, solid cylinder
21-Dec-21	Revision, Assignment, Test
22-Dec-21	Doubts
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Hollow cylinder
28-Dec-21	Solid bar of rectangular cross-section
29-Dec-21	Acceleration of a body rolling down on an inclined plane.
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Acceleration of a body rolling down on an inclined plane.
4-Jan-22	Numerical,
5-Jan-22	Assignment
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Revision
11-Jan-22	Test
12-Jan-22	Full Syllabus Revision
13-Jan-22	
14-Jan-22	
15-Jan-22	

16-Jan-22	**SUNDAY**
17-Jan-22	Full Syllabus Revision
18-Jan-22	Full Syllabus Revision
19-Jan-22	Full Syllabus Revision
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Full Syllabus Revision
25-Jan-22	Full Syllabus Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: MS. RANJANA

Class And Section: B.Sc. Biotech Ist Semester

Subject: Physical Chemistry (BT-105)

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	**Introduction of syllabus**
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	Gaseous States - Maxwell's distribution of velocities
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	Maxwell's distribution of velocities and energies (derivation excluded)
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	Calculation of root mean square velocity
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	Calculation of average velocity and most probable velocity
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	Collision diameter, collision number, collision frequency and mean free path
24-Oct-21	**SUNDAY**
25-Oct-21	

26-Oct-21	Deviation of Real gases from ideal behavior
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	Test of the Maxwell Maxwell's distribution of velocities and energies (derivation excluded)
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	Derivation of Vander Waal's Equation of State
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	Derivation of Vander Waal's Equation of State, its application in the calculation of Boyle's temperature
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	Explanation of behaviour of real gases using Vander Waal's equation
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Critical Phenomenon: Critical temperature, Critical pressure, critical volume and their determination
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	PV isotherms of real gases, continuity of states & the isotherms of Vander Waal's equation
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	relationship between critical constants and Vander Waal"s constants
28-Nov-21	**SUNDAY**
29-Nov-21	

30-Nov-21	Critical compressibility factor & The Law of corresponding states
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	LIquifaction of gases
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	Test of relationship between critical constants and Vander Waal"s constants
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	Structure of liquids, Properties of liquids – surface tension, viscosity & their determination
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	Properties of liquids - vapour pressure , optical rotations and their determination
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	Classification of solids- Laws of crystallography – (i) Law of constancy of interfacial angles – (ii) Law of rationality of indices (iii) Law of symmetry
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	Symmetry elements of crystals, Symmetry elements of crystals. Definition of unit cell & space lattice & Bravais lattices, crystal system
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test of Properties of liquids - vapour pressure , optical rotations and their determination
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	Symmetry elements of crystals. Definition of unit cell & space lattice & Bravais lattices, crystal system

2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	Xray diffraction by crystals & Derivation of Bragg equation
5-Jan-22	
6-Jan-22	
7-Jan-22	
8-Jan-22	Determination of crystal structure of NaCl
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	Determination of crystal structure of KCl
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	Difference between solids, liquids and liquid crystals,types of liquid crystals.
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	Applications of liquid crystals
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	**Doudt Class**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	**Revision**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Ranjana

Class And Section: B.Sc. Biotechnology 5th Semester (BT- 505)

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of Spectroscopy-I
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Black-body radiation & Plank's radiation law
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	photoelectric effect & heat capacity of solids
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Compton effect, wave function and its significance of Postulates of quantum mechanics
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	quantum mechanical operator, commutation relations
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Hamiltonial operator, Hermitian operator, average value of square of Hermitian as a positive quantity.
26-Oct-21	
27-Oct-21	
28-Oct-21	Role of operators in quantum mechanics, To show quantum mechanically that position and momentum cannot be predicated simultaneously
29-Oct-21	

30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test of Black-body radiation & heat capacity of solids
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	Determination of wave function & energy of a particle in one dimensional box, Pictorial representation and its significance
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Optical activity, polarization – (clausius – Mossotti equation)
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Orientation of dipoles in an electric field & dipole moment
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	included dipole moment, measurement of dipole moment-temperature method and refractivity method
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	dipole moment and structure of molecules, Magnetic permeability
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	magnetic susceptibility and its determination & Application of magnetic susceptibility
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	magnetic properties – paramagnetism, diamagnetism and ferromagnetic
7-Dec-21	

8-Dec-21	
9-Dec-21	
10-Dec-21	basic features of spectroscopy, statement of Bornoppenheimer approximation & Degrees of freedom
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Diatomic molecules & Energy levels of rigid rotator (semi-classical principles)
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	selection rules & spectral intensity distribution using population distribution (Maxwell-Boltzmann distribution)
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	determination of bond length & qualitative description of non-rigid rotor, isotope effect
21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	Test of clausius – Mossotti equation
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Infrared spectrum: Energy levels of simple harmonic oscillator,
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	selection rules, pure vibrational spectrum & intensity
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Test of Orientation of dipoles in an electric field & dipole moment
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	determination of force constant and qualitative relation of force constant
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	bond energies & effects of anharmonic motion and isotopic effect on the spectra
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	idea of vibrational frequencies of different functional groups
15-Jan-22	
16-Jan-22	**SUNDAY**

17-Jan-22	Concept of polarizibility, pure rotational and pure vibrational Raman spectra
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	pure rotational and pure vibrational Raman spectra of diatomic molecules
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Selection rules & effects of anharmonic motion, Energy levels of rigid rotator (semi-classical principles
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	**Revision and Doubt Class**
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Ranjana

Class And Section: B.sc Biotechnology 5th Semester (BT -507)

Subject: Inorganic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	Introduction of Syllabus
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	valence bond theory, Limitations of valence bond theory
09-Oct-21	an elementary idea of crystal-field theory
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	crystal field splitting in octahedral, tetrahedral complexes
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	crystal field splitting square planar complexes
23-Oct-21	factors affecting the crystal-field parameters
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	A brief outline of thermodynamic stability of metal complexes
30-Oct-21	factors affecting the stability of metal complexes

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	Test of the crystal field splitting in octahedral, tetrahedral complexes
13-Nov-21	substitution reactions of square planar complexes
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Magnetic Properties of Transition Metal Complexes and their types
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	methods of determining magnetic susceptibility, spin-only formula & L-S coupling.
27-Nov-21	correlation of del S & Effect values
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	orbital contribution to magnetic moments, application of magnetic moment data for 3d -metal complexes
4-Dec-21	Types of electronic transitions , Electron Spectra of Transition Metal Complexes
5-Dec-21	**SUNDAY**

6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	selection rules for d-d transitions
11-Dec-21	spectroscopic ground states, Spectrochemical series
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	Orgel-energy level diagram for d1
18-Dec-21	Test of the methods of determining magnetic susceptibility
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	spin-only formula & L-S coupling.
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	Orgel-energy level diagram for d1 and d 9 states
1-Jan-22	selection rules for d-d transitions
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	discussion of the electronic spectrum of complex ion
8-Jan-22	The electronic spectrum
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	discussion of the electronic spectrum of [Ti(H2O) 6] 3+ complex
15-Jan-22	application of magnetic moment data for 3d -metal complexes
16-Jan-22	**SUNDAY**

17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	Test of Orgel-energy level diagram for d1 and d 9 states
22-Jan-22	**Doubt Class**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	**Revision**
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Ranjana

Class And Section: B.sc Biotech 3rd Semester (BT- 307)

Subject: Inorganic chemistry

Mode Of Teaching: Offline

Lectures Per Week: 3

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of Syllabus
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Position in the periodic table of d – block elements & General characteristics of d – block elements
12-Oct-21	
13-Oct-21	
14-Oct-21	properites of Ist transition elements
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Structure of TiO2, properties of transition elements – TiO2
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Structure of VOCl2, FeCl3 & properties of transition elements – VOCl2, FeCl3
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Test of General characteristics of d – block elements
26-Oct-21	

27-Oct-21	
28-Oct-21	Structure of CuCl2& properties of transition elements- CuCl2
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Structure of Ni (CO)4 & properties of transition elements- Ni (CO)4
09-Nov-21	
10-Nov-21	
11-Nov-21	Introduction of Chemistry of Elements of 2^{nd} Series & Properties of 2^{nd} series of transition elements
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Test the Structures of TiO2 & VOCl2
16-Nov-21	
17-Nov-21	
18-Nov-21	Introduction of Chemistry of Elements 3^{rd} transition series & Properties of 3^{rd} series of transition elements
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Comparison of properties of 3d elements with 4d & 5d elements
23-Nov-21	
24-Nov-21	
25-Nov-21	Test the Properties of Some transition elements; Fecl3 & CuCl2
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Comparison of properties of 3d elements with 4d elements with refrence to oxidation state, Magetic Properties
30-Nov-21	
1-Dec-21	

2-Dec-21	Comparison the properties of with 4d & 5d elements with reference only to Oxidation state, Magnetic Properties
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Comparison of Spectral properties of 3d elements with 4d elements 5d elements with reference only to Spectral properties
7-Dec-21	
8-Dec-21	
9-Dec-21	Test of the Structure and Properties of Ni (CO)4
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Postulates of Werner's coordination theory & Some basic terms of coordination compounds
14-Dec-21	
15-Dec-21	
16-Dec-21	effective atomic number concept & Concepts of chelates
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Isomerism in coordination compounds
21-Dec-21	
22-Dec-21	
23-Dec-21	Test of General characteristics and properties of 2^{nd} & 3^{rd} transition series Nomenclature of coordination compounds
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	valence bond theory of transition metal complexes & Limitations of valence bond theory
28-Dec-21	
29-Dec-21	
30-Dec-21	Physical properties of a solvent types of solvents
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	general characteristics of solvents & Types Of Solvents
4-Jan-22	
5-Jan-22	
6-Jan-22	Test of Nomenclature of coordination compounds
7-Jan-22	

8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	reactions in non-aqueous solvents to Liquid ammonia
11-Jan-22	
12-Jan-22	
13-Jan-22	Comparison of properties of liquid ammonia & water
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	reactions in non-aqueous solvents to Liquid ammonia
18-Jan-22	
19-Jan-22	
20-Jan-22	reactions in non-aqueous solvents to Liquid Sulphur Dioxide
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**Doubt Class**
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Ranjana

Class And Section: B.Sc. Biotech 3rd sem

Subject: Physical chemistry (BT – 305)

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of Syllabus
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Introduction and Definition of thermodynamic terms: system,surrounding
12-Oct-21	
13-Oct-21	
14-Oct-21	Types of systems & intensive and extensive properties
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	State and path functions& and their differentials
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Thermodynamic process & Concept of heat and work
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Zeroth Law of thermodynamics, First law of thermodynamics
26-Oct-21	
27-Oct-21	
28-Oct-21	definition of internal energy definition of enthalpy Heat capacity
29-Oct-21	

30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	heat capacities at constant volume and pressure, Joule's law
09-Nov-21	
10-Nov-21	
11-Nov-21	Joule's law – Joule – Thomson coefficient for ideal gases, real gases
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Test of the heat capacities at constant volume and pressure and their relationship
16-Nov-21	
17-Nov-21	
18-Nov-21	Joule's law – Joule – Thomson coefficient for inversion temperature
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Calculation of w.q. dH for the expansion of ideal gases
23-Nov-21	
24-Nov-21	
25-Nov-21	Calculation of w.q. dU & dH for the expansion of ideal gases under isothermal Process
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Calculation of w.q. dU & dH for the expansion under adiabatic conditions for reversible process
30-Nov-21	
1-Dec-21	
2-Dec-21	Temperature dependence of enthalpy
3-Dec-21	
4-Dec-21	

5-Dec-21	**SUNDAY**
6-Dec-21	Test of Joule's law – Joule – Thomson coefficient for real gas & Ideal gas
7-Dec-21	
8-Dec-21	
9-Dec-21	Kirchoffs equation, Equilibrium constant & free energy
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Bond energies, applications of bond energies.
14-Dec-21	
15-Dec-21	
16-Dec-21	concept of chemical potential, Thermodynamic derivation of law of chemical equilibrium
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Van't Hoff reaction isochore, isotherm
21-Dec-21	
22-Dec-21	
23-Dec-21	Temperature dependence of equilibrium constant, Le-Chatetier's principle
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Clapeyron equation and Clausius – Clapeyron equation
28-Dec-21	
29-Dec-21	
30-Dec-21	Nernst distribution law – its thermodynamic derivation
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Modification of distribution law when solute undergoes association and dissociation
4-Jan-22	
5-Jan-22	
6-Jan-22	Test of Clapeyron equation and Clausius – Clapeyron equation applications
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**

10-Jan-22	Modification of distribution law when solute undergoes chemical combination
11-Jan-22	
12-Jan-22	
13-Jan-22	Applications of distribution law: Determination of degree of hydrolysis, hydrolysis constant of aniline hydrochloride.
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Applications of distribution law: Determination of equilibrium constant of potassium tri-iodide complex, process of extraction
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**Test** of the Nernst distribution law – its thermodynamic derivation
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Pooja Yadav

Class And Section: B.Sc. final year (B)

Subject: Real Analysis (BM-351)

Mode Of Teaching: Offline

Lectures Per Week: 06

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Introduction to improper integrals**
05-Oct-21	**Types of improper integrals**
06-Oct-21	**Convergence of improper integral**
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Example discussion**
09-Oct-21	**Improper integral of first kind**
10-Oct-21	**SUNDAY**
11-Oct-21	**Examples**
12-Oct-21	**Improper integral of 2nd kind**
13-Oct-21	**Examples discussion**
14-Oct-21	**Comparison test for convergence**
15-Oct-21	**Dussehra**
16-Oct-21	**Examples**
17-Oct-21	**SUNDAY**
18-Oct-21	**Exercise question**
19-Oct-21	**Absolute convergence**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Comparison test for convergence at infinity**
22-Oct-21	**General test for convergence at infinity**

23-Oct-21	**Dirichlet test for convergence**
24-Oct-21	**SUNDAY**
25-Oct-21	**Abel's test for convergence**
26-Oct-21	**Frullani's integral**
27-Oct-21	**Exercise question**
28-Oct-21	**Problem discussion**
29-Oct-21	**Test**
30-Oct-21	**Introduction to metric space**
31-Oct-21	**SUNDAY**
01-Nov-21	**Definitions and examples**
02-Nov-21	
03-Nov-21	**Diwali Break**
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Neighborhood**
09-Nov-21	**Limit points**
10-Nov-21	**Interior points**
11-Nov-21	**Open and closed sets**
12-Nov-21	**Closure**
13-Nov-21	**Interior**
14-Nov-21	**SUNDAY**
15-Nov-21	**Boundary points**
16-Nov-21	**Subspace of a metric space**
17-Nov-21	**Equivalent metrices**
18-Nov-21	**Examples**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Doubt class**
21-Nov-21	**SUNDAY**

22-Nov-21	**Exercise question**
23-Nov-21	**Theorems based on open ball**
24-Nov-21	**Sequence**
25-Nov-21	**Convergent sequence**
26-Nov-21	**Subsequence**
27-Nov-21	**Theorems**
28-Nov-21	**SUNDAY**
29-Nov-21	**Example discussion**
30-Nov-21	**Completeness of a metric space**
1-Dec-21	**Theorems on completeness**
2-Dec-21	**Cantor's intersection theorem**
3-Dec-21	**Nowhere dense set**
4-Dec-21	**First category space**
5-Dec-21	**SUNDAY**
6-Dec-21	**Contraction principle in a metric space**
7-Dec-21	**Problem discussion**
8-Dec-21	**Test**
9-Dec-21	**Introduction to continuous functions**
10-Dec-21	**Uniform continuity**
11-Dec-21	**Examples**
12-Dec-21	**SUNDAY**
13-Dec-21	**Theorems**
14-Dec-21	**Compactness for metric space**
15-Dec-21	**Sequentially compactness**
16-Dec-21	**Bolzano weierstrass property**
17-Dec-21	**Some Theorems**
18-Dec-21	**Total boundedness**
19-Dec-21	**SUNDAY**
20-Dec-21	**Finite intersection property**
21-Dec-21	**Continuity in relation with compactness**

22-Dec-21	**Some examples**
23-Dec-21	**Connectedness**
24-Dec-21	**Components**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Continuity in relation with connectedness**
28-Dec-21	**Some theorems**
29-Dec-21	**Exercise question**
30-Dec-21	**Exercise question**
31-Dec-21	**Doubt class**
1-Jan-22	**Test**
2-Jan-22	**SUNDAY**
3-Jan-22	**Introduction to Riemann integral**
4-Jan-22	**Upper amd lower sum**
5-Jan-22	**Refinement**
6-Jan-22	**Examples**
7-Jan-22	**Exercise question**
8-Jan-22	**Darboux theorem**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Conditions for integrability**
11-Jan-22	**Example discussion**
12-Jan-22	**Integrability of continuous functions**
13-Jan-22	**Integrability for monotonic functions**
14-Jan-22	**The fundamental theorem of integral calculus**
15-Jan-22	**Mean value theorem for integral calculus**
16-Jan-22	**SUNDAY**
17-Jan-22	**Doubt class**
18-Jan-22	**Test**
19-Jan-22	**Integral as a function of parameter**
20-Jan-22	**Continuity,differentiability**

21-Jan-22	**Integrability of an integral of a function of a parameter**
22-Jan-22	**Exercise question**
23-Jan-22	**SUNDAY**
24-Jan-22	**Test**
25-Jan-22	**Revision**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Previous year question discussion**
28-Jan-22	**Mock test**
29-Jan-22	**Previous year question discussion**

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Pooja Yadav

Class And Section: M.Sc. (final year)

Subject: Elementary topology(17MAT23C2)

Mode Of Teaching:Offline

Lectures Per Week:06

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Introduction to topological space
09-Oct-21	Definitions and examples of topological space
10-Oct-21	**SUNDAY**
11-Oct-21	Comparison of topologies on a set
12-Oct-21	Intersection and union of topologies on a set
13-Oct-21	Neighborhood of a set
14-Oct-21	Interior point and interior of a set
15-Oct-21	Dussehra
16-Oct-21	Closed set as a complement of an open set
17-Oct-21	**SUNDAY**
18-Oct-21	Adherent pointand limit point of a set
19-Oct-21	Closure of a set
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	Derived set
22-Oct-21	Properties of Closure operator
23-Oct-21	Boundary of a set
24-Oct-21	**SUNDAY**
25-Oct-21	Dense subsets
26-Oct-21	Interior operator
27-Oct-21	Exterior operator
28-Oct-21	Boundary operator
29-Oct-21	Topology in terms of neighborhood system
30-Oct-21	Kuratowski closure operator
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test
09-Nov-21	Relative topology
10-Nov-21	Base and subbase for topology
11-Nov-21	Base for neighborhood system
12-Nov-21	Examples
13-Nov-21	Continuous functions
14-Nov-21	**SUNDAY**
15-Nov-21	Open and closed functions
16-Nov-21	Homeomorphism

17-Nov-21	Connectedness
18-Nov-21	It's characterization
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Examples
21-Nov-21	**SUNDAY**
22-Nov-21	Connected subsets
23-Nov-21	It's Properties
24-Nov-21	Continuity and connectedness
25-Nov-21	Components
26-Nov-21	Locally connected spaces
27-Nov-21	Doubt class
28-Nov-21	**SUNDAY**
29-Nov-21	Test
30-Nov-21	Introduction to compact spaces
1-Dec-21	Compact spaces and subsets
2-Dec-21	Compactness in terms of finite intersection property
3-Dec-21	Continuity and compact sets
4-Dec-21	Basic properties of compactness
5-Dec-21	**SUNDAY**
6-Dec-21	Closeness of compact subset
7-Dec-21	Continuous map from compact space into Hausdroff
8-Dec-21	Sequentially and countably compact sets
9-Dec-21	Examples
10-Dec-21	Exercise question
11-Dec-21	Local compactness
12-Dec-21	**SUNDAY**
13-Dec-21	One point compactification

14-Dec-21	Test
15-Dec-21	Introduction to countability
16-Dec-21	First countable
17-Dec-21	Second countable
18-Dec-21	Theorems
19-Dec-21	**SUNDAY**
20-Dec-21	Separable spaces
21-Dec-21	Hereditary and topological property
22-Dec-21	Countability of a collection of disjoint open sets
23-Dec-21	In separable and second countable spaces
24-Dec-21	Examples
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Lindelof theorem
28-Dec-21	T0,T1,T2 separation axioms
29-Dec-21	Their characterization
30-Dec-21	Basic properties of spaces
31-Dec-21	Examples
1-Jan-22	Theorems
2-Jan-22	**SUNDAY**
3-Jan-22	Test
4-Jan-22	Revision of chapter 1
5-Jan-22	Revision of chapter 1
6-Jan-22	Revision of chapter 2
7-Jan-22	Revision of chapter 2
8-Jan-22	Revision of chapter 3
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**

10-Jan-22	Revision of chapter 3
11-Jan-22	Revision of chpater 4
12-Jan-22	Revision of chpater 4
13-Jan-22	Doubt class
14-Jan-22	Mock test
15-Jan-22	Previous year question discussion
16-Jan-22	**SUNDAY**
17-Jan-22	Previous year question discussion
18-Jan-22	Question discussion
19-Jan-22	Test
20-Jan-22	Problem solve
21-Jan-22	Group discussions
22-Jan-22	Exam strategy
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Exercise questions
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Previous year question
28-Jan-22	Previous year question
29-Jan-22	Previous year question

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (July 2021-22)

Name Of The Associate/Assistant Professor: Ms. Pooja Yadav

Class And Section: M.Sc. (P)

Subject: Abstract Algebra (16MAT21C1)

Mode Of Teaching:Offline

Lectures Per Week:06

Date	**Topic to be Covered**
23-Nov-21	Introduction to the subject
24-Nov-21	Revision of groups and rings
25-Nov-21	Sylow's 1st theorem
26-Nov-21	Examples
27-Nov-21	Definition of conjugates
28-Nov-21	**SUNDAY**
29-Nov-21	Theorems
30-Nov-21	Double cosets
1-Dec-21	Sylow's 2nd theorem
2-Dec-21	Sylow's 3rd theorem
3-Dec-21	Applications of Sylow's 3rd theorem
4-Dec-21	Examples
5-Dec-21	**SUNDAY**
6-Dec-21	Exercise question
7-Dec-21	Doubt solve
8-Dec-21	Conugates in Sn
9-Dec-21	Centralizers in Sn
10-Dec-21	p-groups

11-Dec-21	Group actions
12-Dec-21	**SUNDAY**
13-Dec-21	Example discussion
14-Dec-21	Test
15-Dec-21	Counting orbits
16-Dec-21	Sylow subgroups
17-Dec-21	Description of group of order p2
18-Dec-21	Description of group of order pq
19-Dec-21	**SUNDAY**
20-Dec-21	Survey of groous upto 15
21-Dec-21	Examples
22-Dec-21	Doubt class
23-Dec-21	Introduction to normal series
24-Dec-21	Subnormal series
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Solvable series
28-Dec-21	Derived series
29-Dec-21	Solvable groups
30-Dec-21	Solvability of Sn
31-Dec-21	Some Theorems
1-Jan-22	Examples
2-Jan-22	**SUNDAY**
3-Jan-22	Central series
4-Jan-22	Nilpotent groups
5-Jan-22	Their properties
6-Jan-22	Equivalent conditions

7-Jan-22	Upper and lower central series
8-Jan-22	Composition series
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Zassenhaus lemma
11-Jan-22	Exercise question
12-Jan-22	Jordan holder theorem
13-Jan-22	Doubt class
14-Jan-22	Test
15-Jan-22	Introduction to modules
16-Jan-22	**SUNDAY**
17-Jan-22	Cyclic modules
18-Jan-22	Simple modules
19-Jan-22	Semi simple modules
20-Jan-22	Schur lemma
21-Jan-22	Free modules
22-Jan-22	Examples
23-Jan-22	**SUNDAY**
24-Jan-22	Torsion modules
25-Jan-22	Torsion free modules
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Torsion part of a module
28-Jan-22	Modules over principal idea domain
29-Jan-22	Applications to finitely generated groups
30-Jan-22	**SUNDAY**
31-Jan-22	Examples
1-Feb-22	Doubt class
2-Feb-22	Test

3-Feb-22	Noetherian modules
4-Feb-22	Artinian modules
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	Modules of finite length
8-Feb-22	Noetherian rings
9-Feb-22	Artinian rings
10-Feb-22	Hilbert basis theorem
11-Feb-22	Homomorphism
12-Feb-22	Opposite rings
13-Feb-22	**SUNDAY**
14-Feb-22	Wedderburn- Artin theorem
15-Feb-22	Maschk theorem
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Equivalent statement for Artinian rings
18-Feb-22	Radicals
19-Feb-22	Jacobson radical
20-Feb-22	**SUNDAY**
21-Feb-22	Examples
22-Feb-22	Some theorem
23-Feb-22	Radical of an artinian ring
24-Feb-22	Exercise question
25-Feb-22	Revision
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	Previous year question

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Pooja Yadav

Class And Section: B.Sc. final year (B)

Subject: Real Analysis (BSM-351)

Mode Of Teaching: Offline

Lectures Per Week: 06

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction to improper integrals
05-Oct-21	Types of improper integrals
06-Oct-21	Convergence of improper integral
07-Oct-21	Maharaja Agarsen Jayanti
08-Oct-21	Example discussion
09-Oct-21	Improper integral of first kind
10-Oct-21	**SUNDAY**
11-Oct-21	Examples
12-Oct-21	Improper integral of 2nd kind
13-Oct-21	Examples discussion
14-Oct-21	Comparison test for convergence
15-Oct-21	**Dussehra**
16-Oct-21	Examples
17-Oct-21	**SUNDAY**
18-Oct-21	Exercise question
19-Oct-21	Absolute convergence
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	Comparison test for convergence at infinity
22-Oct-21	General test for convergence at infinity
23-Oct-21	Dirichlet test for convergence
24-Oct-21	**SUNDAY**
25-Oct-21	Abel's test for convergence
26-Oct-21	Frullani's integral
27-Oct-21	Exercise question
28-Oct-21	Problem discussion
29-Oct-21	Test
30-Oct-21	Introduction to metric space
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Neighborhood
09-Nov-21	Limit points
10-Nov-21	Interior points
11-Nov-21	Open and closed sets
12-Nov-21	Closure
13-Nov-21	Interior
14-Nov-21	**SUNDAY**
15-Nov-21	Boundary points
16-Nov-21	Subspace of a metric space

17-Nov-21	Equivalent metrices
18-Nov-21	Examples
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Doubt class
21-Nov-21	**SUNDAY**
22-Nov-21	Exercise question
23-Nov-21	Theorems based on open ball
24-Nov-21	Sequence
25-Nov-21	Convergent sequence
26-Nov-21	Subsequence
27-Nov-21	Theorems
28-Nov-21	**SUNDAY**
29-Nov-21	Example discussion
30-Nov-21	Completeness of a metric space
1-Dec-21	Theorems on completeness
2-Dec-21	Cantor's intersection theorem
3-Dec-21	Nowhere dense set
4-Dec-21	First category space
5-Dec-21	**SUNDAY**
6-Dec-21	Contraction principle in a metric space
7-Dec-21	Problem discussion
8-Dec-21	Test
9-Dec-21	Introduction to continuous functions
10-Dec-21	Uniform continuity
11-Dec-21	Examples
12-Dec-21	**SUNDAY**
13-Dec-21	Theorems

14-Dec-21	Compactness for metric space
15-Dec-21	Sequentially compactness
16-Dec-21	Bolzano weierstrass property
17-Dec-21	Some Theorems
18-Dec-21	Total boundedness
19-Dec-21	**SUNDAY**
20-Dec-21	Finite intersection property
21-Dec-21	Continuity in relation with compactness
22-Dec-21	Some examples
23-Dec-21	Connectedness
24-Dec-21	Components
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Continuity in relation with connectedness
28-Dec-21	Some theorems
29-Dec-21	Exercise question
30-Dec-21	Exercise question
31-Dec-21	Doubt class
1-Jan-22	Test
2-Jan-22	**SUNDAY**
3-Jan-22	Introduction to Riemann integral
4-Jan-22	Upper amd lower sum
5-Jan-22	Refinement
6-Jan-22	Examples
7-Jan-22	Exercise question
8-Jan-22	Darboux theorem
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**

10-Jan-22	Conditions for integrability
11-Jan-22	Example discussion
12-Jan-22	Integrability of continuous functions
13-Jan-22	Integrability for monotonic functions
14-Jan-22	The fundamental theorem of integral calculus
15-Jan-22	Mean value theorem for integral calculus
16-Jan-22	**SUNDAY**
17-Jan-22	Doubt class
18-Jan-22	Test
19-Jan-22	Integral as a function of parameter
20-Jan-22	Continuity, differentiability
21-Jan-22	Integrability of an integral of a function of a parameter
22-Jan-22	Exercise question
23-Jan-22	**SUNDAY**
24-Jan-22	Test
25-Jan-22	Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Previous year question discussion
28-Jan-22	Mock test
29-Jan-22	Previous year question discussion

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Pooja Yadav

Class And Section: M.Sc. (final)

Subject: Analytical number theory(17MAT23DB1)

Mode Of Teaching: Offline

Lectures Per Week:06

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Introduction to the subject
09-Oct-21	Distribution of prime number
10-Oct-21	**SUNDAY**
11-Oct-21	Some theorem on prime numbers
12-Oct-21	Fermat number and it's theorem
13-Oct-21	Mersenne number and it's theorem
14-Oct-21	Farey series
15-Oct-21	**Dussehra**
16-Oct-21	Properties of farey series
17-Oct-21	**SUNDAY**
18-Oct-21	Doubt class
19-Oct-21	Some results concerning farey series
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	Question on farey series
22-Oct-21	Hurwitz theorem
23-Oct-21	Applications of Hurwitz theorem
24-Oct-21	**SUNDAY**
25-Oct-21	Question discussion
26-Oct-21	Test
27-Oct-21	Doubt class
28-Oct-21	Irrational numbers
29-Oct-21	Theorems on irrational numbers
30-Oct-21	Irrationality of e
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test
09-Nov-21	The arithmetic in Zn
10-Nov-21	Group Un
11-Nov-21	Theorems on Zn and Un
12-Nov-21	Primitive roots
13-Nov-21	Existence of primitive roots
14-Nov-21	**SUNDAY**
15-Nov-21	The group Up^n
16-Nov-21	Group U2^n

17-Nov-21	Example discussion
18-Nov-21	Doubt class
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	The group of quadratic residues
21-Nov-21	**SUNDAY**
22-Nov-21	Group Qn
23-Nov-21	Quadratic residue for prime power moduli
24-Nov-21	Quadratic residue for arbitrary moduli
25-Nov-21	The algebraic structure of Un
26-Nov-21	Examples
27-Nov-21	Exercise question
28-Nov-21	**SUNDAY**
29-Nov-21	Doubt class
30-Nov-21	Algebraic structure of Qn
1-Dec-21	Some example of Qn
2-Dec-21	Problem discussion
3-Dec-21	Test
4-Dec-21	Introduction to Riemann zeta function
5-Dec-21	**SUNDAY**
6-Dec-21	Convergence of Riemann zeta function
7-Dec-21	Questions based on Riemann zeta function
8-Dec-21	Application to prime numbers
9-Dec-21	Euler product
10-Dec-21	Evaluation of some zeta functions
11-Dec-21	Doubt class
12-Dec-21	**SUNDAY**
13-Dec-21	Diophantine equations

14-Dec-21	It's different types
15-Dec-21	Representation of number by two or four squares
16-Dec-21	Waring problem
17-Dec-21	Four square theorem
18-Dec-21	The numbers g(k)
19-Dec-21	**SUNDAY**
20-Dec-21	The numbers G(k)
21-Dec-21	Lower be bounds for g(k)
22-Dec-21	Lower bound for G(k)
23-Dec-21	Quick revision of the chapter 2
24-Dec-21	Doubt class
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Test
28-Dec-21	Introduction to arithmetic functions
29-Dec-21	Examples on phi function
30-Dec-21	Sigma function
31-Dec-21	Tau function
1-Jan-22	Definitions of multipicative functions
2-Jan-22	**SUNDAY**
3-Jan-22	Simple properties
4-Jan-22	Perfect numbers
5-Jan-22	Mobius inversion formula
6-Jan-22	Examples
7-Jan-22	Exercise question
8-Jan-22	The mobius function
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**

10-Jan-22	Order of different functions
11-Jan-22	Average order
12-Jan-22	Practice questions
13-Jan-22	Doubt class
14-Jan-22	Test
15-Jan-22	Quick revision of the chapter
16-Jan-22	**SUNDAY**
17-Jan-22	Revision of chapter 1
18-Jan-22	Revision of chapter 1
19-Jan-22	Revision of chapter 2
20-Jan-22	Revision of chapter 2
21-Jan-22	Revision of chapter 3
22-Jan-22	Revision of chapter 3
23-Jan-22	**SUNDAY**
24-Jan-22	Mock test
25-Jan-22	Revision of chapter 4
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision of chapter 4
28-Jan-22	Previous year question discussion
29-Jan-22	Previous year question discussion

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Sudha Diwakar

Class And Section: B.Sc Biotech 3rd yr

Subject: Organic Chemistry, BT-506

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	-
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	-
09-Oct-21	**Introduction of Carbohydrates-I** Classification and nomenclature
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	-
14-Oct-21	Monosaccharides, mechanism of osazone formation
15-Oct-21	**Dussehra**
16-Oct-21	Inter conversion of glucose and fructose
17-Oct-21	**SUNDAY**
18-Oct-21	-
19-Oct-21	-
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Chain lengthening and chain shortening of aldoses. Configuration of monosaccharide
22-Oct-21	-
23-Oct-21	Erythro and threo diastereomers. Conversion of glucose in to mannose
24-Oct-21	**SUNDAY**
25-Oct-21	-
26-Oct-21	-
27-Oct-21	-
28-Oct-21	ASSIGNMENT AND TEST TOPIC: MONOSACCHARIDE
29-Oct-21	-
30-Oct-21	Formation of glycosides, ethers and esters.& Determination of ring size of
	glucose and fructose

31-Oct-21	**SUNDAY**
01-Nov-21	-
02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	-
09-Nov-21	-
10-Nov-21	-
11-Nov-21	Open chain and cyclic structure of D(+)-glucose & D(-) fructose. Mechanism of mutarotation.
12-Nov-21	-
13-Nov-21	Introduction to disaccharides (maltose, sucrose and lactose)
14-Nov-21	**SUNDAY**
15-Nov-21	.-
16-Nov-21	-
17-Nov-21	-
18-Nov-21	Polysaccharides : starch and cellulose
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Introduction :Organometallic compounds Grignard reagents-formation and structure
21-Nov-21	**SUNDAY**
22-Nov-21	-
23-Nov-21	-
24-Nov-21	-
25-Nov-21	Grignard reagent :chemical reactions
26-Nov-21	-
27-Nov-21	Organozinc compounds: formation and chemical reactions.
28-Nov-21	**SUNDAY**
29-Nov-21	-
30-Nov-21	-
1-Dec-21	-
2-Dec-21	Organolithium compounds: formation and chemical reactions
3-Dec-21	-
4-Dec-21	TEST OF ORGANOMETALLIC COMPOUND
5-Dec-21	**SUNDAY**
6-Dec-21	-
7-Dec-21	-
8-Dec-21	-

9-Dec-21	**INTRODUCTION : NMR Spectroscopy** Principle of nuclear magnetic resonance
10-Dec-21	-
11-Dec-21	The PMR spectrum ,number of signals and peak areas
12-Dec-21	**SUNDAY**
13-Dec-21	-.
14-Dec-21	-
15-Dec-21	-
16-Dec-21	,peak areas, equivalent and non equivalent protons positions of signals
17-Dec-21	-
18-Dec-21	Chemical shift, shielding and deshielding of protons
19-Dec-21	**SUNDAY**
20-Dec-21	-
21-Dec-21	-
22-Dec-21	-
23-Dec-21	**TEST : Nuclear magnetic resonance**
24-Dec-21	-
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	-
28-Dec-21	-
29-Dec-21	-
30-Dec-21	Proton counting, splitting of signals and coupling constants, magnetic equivalence of protons..
31-Dec-21	-
1-Jan-22	**Revision**
2-Jan-22	**SUNDAY**
3-Jan-22	-
4-Jan-22	-
5-Jan-22	
6-Jan-22	Discuss ion of PMR spectra of the molecules: ethyl bromide, n propyl bromide, isopropyl bromide.
7-Jan-22	-
8-Jan-22	1,1-dibromoethane, 1,1,2- tribromoethane, ethanol, acetaldehyde, ethyl Acetate , toluene.
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	-
11-Jan-22	-
12-Jan-22	-
13-Jan-22	benzaldehyde and acetophenone..

14-Jan-22	-
15-Jan-22	Simple problems on PMR spectroscopy for structure determination of organic compounds
16-Jan-22	**SUNDAY**
17-Jan-22	-
18-Jan-22	-
19-Jan-22	-
20-Jan-22	**REVISION**
21-Jan-22	-
22-Jan-22	**REVISION**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**TEST OF NMR II**
28-Jan-22	
29-Jan-22	**REVISION**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Sudha Diwakar
Class And Section: B.Sc Biotech II **yr**
Subject: Organic Chemistry, BT-306
Mode Of Teaching: Offline
Lectures Per Week: 2

Date	**Topic to be Covered**
01-Oct-21	Introduction of Monohydric alcohols : nomenclature, methods of formation by reduction of aldehydes
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Ketones, carboxylic acid and esters .Hydrogen bonding. & Acidic nature. Reactions of alcohols.
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Dihydric alcohols — nomenclature and methods of formation. & chemical reactions of vicinal glycols, oxidative cleavage [$Pb(OAc)_4$ and HIO_4] and pinacol-pinacolone rearrangement
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	-
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	-
17-Oct-21	**SUNDAY**
18-Oct-21	Test of Ketones, carboxylic acid and esters .Hydrogen bonding
19-Oct-21	-
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	-
22-Oct-21	-
23-Oct-21	-
24-Oct-21	**SUNDAY**
25-Oct-21	. Synthesis of epoxides & Acid and base-catalyzed ring opening of Epoxides & orientation of epoxide ring opening, reactions of Grignard and organolithium reagents with epoxides
26-Oct-21	-

27-Oct-21	-
28-Oct-21	-
29-Oct-21	-
30-Oct-21	-
31-Oct-21	**SUNDAY**
01-Nov-21	-
02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Introduction of Phenols & Its Nomenclature**
09-Nov-21	-
10-Nov-21	-
11-Nov-21	-
12-Nov-21	**Introduction of Phenols & Its Nomenclature &** structure and bonding. Preparation of phenols, physical properties & acidic character of Phenol
13-Nov-21	-
14-Nov-21	**SUNDAY**
15-Nov-21	Comparative acidic strengths of alcohols and phenols, resonance stabilization of phenoxide ion & Reactions of phenols — electrophilic aromatic substitution
16-Nov-21	-
17-Nov-21	-
18-Nov-21	-
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	-
21-Nov-21	**SUNDAY**
22-Nov-21	**Assignment**
23-Nov-21	-
24-Nov-21	-
25-Nov-21	-
26-Nov-21	Reimer-Tiemann reaction, Kolbe's reaction and Schotten and Baumann reactions
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	**Test of** Comparative acidic strengths of alcohols and phenols
30-Nov-21	-
1-Dec-21	-
2-Dec-21	-

3-Dec-21	Introduction of **Ultraviole t (UV) absorption spectroscopy &** Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra
4-Dec-21	-
5-Dec-21	**Sunday**
6-Dec-21	types of electronic transitions, effect of conjugation. Concept of chromophore and auxochrome.
7-Dec-21	-
8-Dec-21	-
9-Dec-21	-
10-Dec-21	Bathochromic, hypsochromic, hyperchromic an hypochromic shifts & UV spectra of conjugated enes and enones,
11-Dec-21	-
12-Dec-21	**SUNDAY**
13-Dec-21	-
14-Dec-21	-
15-Dec-21	-
16-Dec-21	-
17-Dec-21	-
18-Dec-21	-
19-Dec-21	**SUNDAY**
20-Dec-21	-
21-Dec-21	-
22-Dec-21	-
23-Dec-21	-
24-Dec-21	-
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	,Woodward- Fieser rules, calculation of λ_{max} of simple conjugated dienes and α,β -unsaturated ketones Applications o f UV Spectroscopy in structure elucidation of simple organic compound
28-Dec-21	-
29-Dec-21	-
30-Dec-21	-
31-Dec-21	-
1-Jan-22	-
2-Jan-22	**SUNDAY**
3-Jan-22	-
T	Test of the Woodward- Fieser rules& structure elucidation of simple organic compound
5-Jan-22	-
6-Jan-22	**Introduction of Carboxylic Acids & Acid Derivatives &** Nomenclature of Carboxylic acids, structure and bonding

7-Jan-22	Physical properties, acidity of carboxylic acids, effects of substituents on acid strength
8-Jan-22	-
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Assignments**
11-Jan-22	-
12-Jan-22	-
13-Jan-22	-
14-Jan-22	-
15-Jan-22	-
16-Jan-22	**SUNDAY**
17-Jan-22	acidity of carboxylic acids, effects of substituents on acid strength & Preparation of carboxylic acids. Reactions of carboxylic acids
18-Jan-22	-
19-Jan-22	-
20-Jan-22	-
21-Jan-22	Hell-Volhard-Zelinsky reaction. Reduction of carboxylic acids.Mechanism of decarboxylation & Structure , nomenclature and preparation of acid chlorides, esters, amides and acid anhydrides.
22-Jan-22	-
23-Jan-22	**SUNDAY**
24-Jan-22	Relative s tability o f acyl derivatives. Physical properties, interconvers ion of acid derivatives by nucleophilic acyl substitution.Mechanisms of es ter ifica tion and hydrolysis (acidic and basic).
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	-
28-Jan-22	**Revision**
29-Jan-22	-

K.L Mehta Dayanand College For Women,
Faridabad Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Sudha Diwakar
Class And Section: B.Sc Biotech I yr Subject:
Inorganic Chemistry, BT-106
Mode Of Teaching: Offline
Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	Introduction of Covalent Bond
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Valence bond theory and its limitations, directional characteristics of covalent bond & various types of hybridization
09-Oct-21	shapes of simple inorganic molecules and ions (BeF_2, BF_3, CH_4, PF_5, SF_6, IF_7
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	-
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	shapes of simple inorganic molecules and ions SO_{42} -, ClO_{4}-)
17-Oct-21	**SUNDAY**
18-Oct-21	-
19-Oct-21	-
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	-
22-Oct-21	Valence shell electron pair repulsion (VSEPR) theory to NH_3, H_3O_+, SF_4, CIF_3, ICI_{2-} and H_2O.
23-Oct-21	MO theory of heteronuclear (CO and NO) diatomic.molecules, , bond strength and bond energy
24-Oct-21	**SUNDAY**
25-Oct-21	-
26-Oct-21	-
27-Oct-21	-
28-Oct-21	-

29-Oct-21	pe rcentage ioniccharacter from dipole moment and electronegativity difference.
30-Oct-21	**Assignment on Shapes of the molecules**
31-Oct-21	**SUNDAY**
01-Nov-21	-
02-Nov-21	**Diwali -Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	-
09-Nov-21	-
10-Nov-21	-
11-Nov-21	-
12-Nov-21	**Introduction of Ionic Solids**
13-Nov-21	Ionic structures (NaCl,CsCl, ZnS(Zinc Blende), CaF_2) radius ratio effect
14-Nov-21	**SUNDAY**
15-Nov-21	.-
16-Nov-21	**Introduction of Stereochemistry**
17-Nov-21	-
18-Nov-21	-
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	coordination number, limitation of radius ratio rule,lattice defects, semiconductors, lattice energy
21-Nov-21	**SUNDAY**
22-Nov-21	-
23-Nov-21	-
24-Nov-21	-
25-Nov-21	-
26-Nov-21	Test of Valence bond theory and its limitations
27-Nov-21	Born-Haber cycle, solvation energy and its relation with solubility of ionic solids & polarizing power and polarisability of ions, Fajan's rule
28-Nov-21	**SUNDAY**
29-Nov-21	-
30-Nov-21	-
1-Dec-21	-
2-Dec-21	-
3-Dec-21	**Inroduction of Periodic Properties**
4-Dec-21	General principles of periodic table: Aufbau and Pauli exclusion principles
5-Dec-21	**SUNDAY**
6-Dec-21	-

7-Dec-21	-
8-Dec-21	-
9-Dec-21	-
10-Dec-21	Hund's multiplicity rule. Electronic configurations of the elements, effective nuclear charge
11-Dec-21	Slater's rules.electron affinity and Definition of electronegativity
12-Dec-21	**SUNDAY**
13-Dec-21	.-
14-Dec-21	-
15-Dec-21	-
16-Dec-21	-
17-Dec-21	**Assignment**
18-Dec-21	Explanation of Atomic and ionic radii, ionization energy
19-Dec-21	**SUNDAY**
20-Dec-21	-
21-Dec-21	-
22-Dec-21	-
23-Dec-21	-
24-Dec-21	**Test of Classification and periodic properties**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	-
28-Dec-21	-
29-Dec-21	-
30-Dec-21	-
31-Dec-21	methods of determination or evaluation, trends in periodic table
1-Jan-22	**Introduction of Atomic structure**
2-Jan-22	**SUNDAY**
3-Jan-22	-
4-Jan-22	-
5-Jan-22	-
6-Jan-22	-
7-Jan-22	-
8-Jan-22	-
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	-
11-Jan-22	-
12-Jan-22	-
13-Jan-22	-
14-Jan-22	Idea of de Broglie matter waves, Heisenberg uncertainty principle
15-Jan-22	atomic orbitals, quantum numbers, radial and angular wave functions
16-Jan-22	**SUNDAY**

17-Jan-22	-
18-Jan-22	-
19-Jan-22	-
20-Jan-22	-
21-Jan-22	probability distribution curves, shapes of s, p, d orbitals
22-Jan-22	**Test of the** Idea of de Broglie matter waves, Heisenberg uncertainty principle
23-Jan-22	**SUNDAY**
24-Jan-22	-
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	-
28-Jan-22	**REVISION**
29-Jan-22	**REVISION**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Sudha Diwakar

Class And Section: B.Sc Biotech I yr

Subject: Organic Chemistry, BT-107

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	-
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Types of bond overview Localized and delocalized chemical bond, vander waals interactions**
05-Oct-21	**Resonance, hyperconjugation : conditions and applications**
06-Oct-21	-
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	-
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	**Inductive effect and Electromeric effects**
12-Oct-21	**Curve notation and bond cleavage : hemolytic and heterolytic cleavage Types of reagents- electrophile and nucleophile**
13-Oct-21	-
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	-
17-Oct-21	**SUNDAY**
18-Oct-21	**Reaction intermediate: formation, structure and stability of carbocation**
19-Oct-21	**Carboanion and free radical**
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	-
22-Oct-21	-
23-Oct-21	-
24-Oct-21	**SUNDAY**
25-Oct-21	**TEST AND ASSIGNMENT TOPIC: STRUCTURE AND BONDING**
26-Oct-21	arynes and nitrenes (formation, structure & stability).
27-Oct-21	-
28-Oct-21	-
29-Oct-21	-

30-Oct-21	-
31-Oct-21	**SUNDAY**
01-Nov-21	-
02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	-
09-Nov-21	-
10-Nov-21	-
11-Nov-21	-
12-Nov-21	-
13-Nov-21	-
14-Nov-21	**SUNDAY**
15-Nov-21	Assigning formal charges on intermediates and other ionic species.
16-Nov-21	**Introduction of Stereochemistry**
17-Nov-21	-
18-Nov-21	-
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	-
21-Nov-21	**SUNDAY**
22-Nov-21	Concept of isomerism. Types of isomerism
23-Nov-21	Optical isomerism elements of symmetry, molecular chirality
24-Nov-21	-
25-Nov-21	-
26-Nov-21	-
27-Nov-21	-
28-Nov-21	**SUNDAY**
29-Nov-21	enantiomers, stereogenic centre, optical activity
30-Nov-21	properties of enantiomers, & chiral and achiral molecules with two stereogenic centres
1-Dec-21	-
2-Dec-21	-
3-Dec-21	-
4-Dec-21	-
5-Dec-21	**SUNDAY**
6-Dec-21	diastereomers, threo and eryth ro diastereomers,
7-Dec-21	Resolutions of enantiomer and mesocompounds,
8-Dec-21	-
9-Dec-21	-

10-Dec-21	-
11-Dec-21	-
12-Dec-21	**SUNDAY**
13-Dec-21	inversion, retention and racemization.
14-Dec-21	**TEST ON TOPIC: STEREOCHEMISTRY OF ORGANIC CHEMISTRY**
15-Dec-21	-
16-Dec-21	-
17-Dec-21	-
18-Dec-21	-
19-Dec-21	**SUNDAY**
20-Dec-21	Relative and absolute configuration, sequence rules, R & S systems of nomenclature
21-Dec-21	Geometric isomerism & determination of configuration of geometric isomers
22-Dec-21	-
23-Dec-21	-
24-Dec-21	-
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	E & Z system of nomenclature
28-Dec-21	Conformational isomerism conformational analysis of ethane
29-Dec-21	-
30-Dec-21	-
31-Dec-21	-
1-Jan-22	-
2-Jan-22	**SUNDAY**
3-Jan-22	Conformational isomerism conformational analysis of n-butane & conformations of cyclohexane, axial and equatorial bonds
4-Jan-22	Newman projection and Sawhorse formulae, Difference between configuration and conformation
5-Jan-22	-
6-Jan-22	-
7-Jan-22	-
8-Jan-22	-
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	-
11-Jan-22	-
12-Jan-22	-
13-Jan-22	-
14-Jan-22	-
15-Jan-22	-
16-Jan-22	**SUNDAY**

17-Jan-22	**IUPAC names of alkanes and classification Isomerism**
18-Jan-22	**Assignment**
19-Jan-22	-
20-Jan-22	-
21-Jan-22	-
22-Jan-22	-
23-Jan-22	-
24-Jan-22	**TEST ON TOPIC : ALKANES AND CYCLOALKANES**
25-Jan-22	**REVISION**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	-
28-Jan-22	-
29-Jan-22	-

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Indu Rani

Class And Section: B.Sc. Medical 3rd Semester Section A + B

Subject: Biology & Diversity of seed plants-I

Mode Of Teaching: Offline

Lectures Per Week:27

Date	**Topic to be Covered**
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of Gymnosperms
05-Oct-21	General characters of Gymnosperms
06-Oct-21	Affinities of Gymnosperms with pteridophytes
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Affinities of Gymnosperms with Angiosperms
12-Oct-21	Classifications of Gymnosperms
13-Oct-21	Evolution of seed habits
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Evolution of seed habits
19-Oct-21	Geological timescale introduction
20-Oct-21	Maharishi ValmikiJayanti
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Geological timescale
26-Oct-21	Fossils introduction
27-Oct-21	Conditions necessary for fossilization
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Theories of fossilization
09-Nov-21	Various kinds of fossils
10-Nov-21	Kinds of fossils
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Techniques to study fossils
16-Nov-21	Introduction of fossil plants
17-Nov-21	*Lyginopteris* introduction
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	*Lyginopteris*description
23-Nov-21	Introduction of *Willamsonia*
24-Nov-21	Description of *Willamsonia*
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Test
30-Nov-21	Introduction of *Cyadeoidea*
1-Dec-21	Description of *Cyadeoidea*
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Morphology of *Cycas*
7-Dec-21	Normal root and coralloid root
8-Dec-21	Test
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	*Cycas* stem and leaf
14-Dec-21	Description of *Cycas*leaflet and rachis

15-Dec-21	Reproduction in *Cycas*
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Reproduction in *Cycas*
21-Dec-21	Morphology of *Pinus*
22-Dec-21	Internal features of root of *Pinus*
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Description of stem
28-Dec-21	Secondary growth in *Pinus*
29-Dec-21	Reproduction in *Pinus*
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Reproduction in *Pinus*
4-Jan-22	Embryogeny in *Pinus*
5-Jan-22	Description of seed
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Test
11-Jan-22	Morphological characters of *Ephedra*
12-Jan-22	Internal features of *Ephedra*
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Reproduction in *Ephedra*
18-Jan-22	Reproduction in *Ephedra*
19-Jan-22	Description of seed
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Angiosperms : origin and evolution
25-Jan-22	Angiosperms : origin and evolution
26-Jan-22	**REPUBLIC DAY**

27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Priyanka Bhatia

Class And Section: B.Sc Non medical 5th sem Section A

Subject: Organic chemistry

Mode Of Teaching: Offline

Lectures Per Week: Two

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	

23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**Principle of NMR,PMR spectrum,no. of signals,peak areas,equivalent n nonequivalent protons**
16-Nov-21	**Position of signals n chemical shift,shielding n deshielding of protons,proton counting**
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	

21-Nov-21	**SUNDAY**
22-Nov-21	**Splitting of signals n coupling constants,magnetic equivalence of protons.**
23-Nov-21	**Discussion of PMR spectra of the molecules Simple problems on PMR spectroscopy for organic compounds**
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	**Classification n nomenclature of carbohydrates**
30-Nov-21	**Monosaccharides,mechanism of osazone formation**
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	**Interconversion of glucose n fructose,chain lengthening n chain shortening of aldoses**
7-Dec-21	**Configuration of monosaccharides,erythro n threo diastereomers,conversion of glucose tomannose**
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	**Open chain n cyclic structures,mechanism of mutarotation**
14-Dec-21	**Test of NMR spectroscopy**
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	

19-Dec-21	**SUNDAY**
20-Dec-21	**Structure of ribose n deoxyribose,introduction to disaccharides**
21-Dec-21	**Polysaccharides**
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Test of Carbohydrates**
28-Dec-21	**Introduction to Organomagnesium compounds**
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	**Grignard reagents-formation**
4-Jan-22	**Structuren chemical reactions**
5-Jan-22	
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Organozinic compounds**
11-Jan-22	**Formation n chemical reactions**
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	**Organolithium compounds**

18-Jan-22	**Formation n chemical reactions**
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision**
25-Jan-22	**Revision**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: MsPriyanka Bhatia

Class And Section: B.Sc Medical 3rd sem Section B

Subject: Inorganic Chemistry

Mode Of Teaching:Offline

Lectures Per Week:Two

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	**Introduction to Transition elements**
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	**Position in the periodic table,generalcharcateristic n properties of 1st transition seies**
18-Nov-21	**Comparison of 3d transition series elements with 4d n 5d elements**
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	**Magnetic n spectral properties**
25-Nov-21	**Stereochemistry**
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	**Latimer n frost diagram**
2-Dec-21	**Structures n properties of transition elements compounds**
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	**Test of D block elements**
9-Dec-21	**Introduction to coordination compounds**
10-Dec-21	
11-Dec-21	

12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	**Werner's theory of coordination compounds**
16-Dec-21	**Effective atomic number**
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	**Chelates n chelate effect**
23-Dec-21	**Nomenclature of coordination compounds**
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	**Isomerism in coordination compounds**
30-Dec-21	**Valence bond theory of transition metal complexes**
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	**Test of coordination compounds**
6-Jan-22	**Introduction to Non aqueous solvents**
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	**Physical properties,types of solvents**
13-Jan-22	**General charcateristic of solvents**
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	**Reaction in non aqueous solvents**
20-Jan-22	**Test of Non aqueous solvents**
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**

24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Priyanka Bhatia

Class And Section: B.Sc Medical 3rd sem Section A

Subject: Inorganic Chemistry

Mode Of Teaching: Offline

Lectures Per Week:Two

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	**Introduction of transition elements**
13-Nov-21	**General characteristic n properties**
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	**Comparison of properties of 3d elements with 4d n 5d elements**
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	**Magnetic n spectral properties**
27-Nov-21	**Sturctures n properties of compounds of transition elements**
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	**Stereochemistry**
4-Dec-21	**Latimer n frost diagram**
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	**Test of D block elements**
11-Dec-21	**Introduction of coordination compunds**
12-Dec-21	**SUNDAY**
13-Dec-21	

14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	**Werner's theory of coordination compunds**
18-Dec-21	**Effective atomic number**
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	**Chelates n chelate effect**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	**Nomenclature of coordination compounds**
1-Jan-22	**Isomerism in coordination compounds**
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	**Valence bond theory of transition metal complexes**
8-Jan-22	**Test of Coordination compounds**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	**Introduction to non-aqueous solvents**
15-Jan-22	**Types of solvents,generalcharcateristic of solvents**
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	**Reactions in non aqueous solvents**
22-Jan-22	**Revision**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	

26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	**Test of Non aqueous solvents**
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr.Reeti Panchal

Class And Section: B.Sc. MedicalIIndYear 3rdSemester, Section A & B

Subject: Zoology

Mode Of Teaching: Offline

Lectures Per Week: 27

Date	**Topic to be Covered**
01-Oct-21	Principles of classification
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	___
05-Oct-21	___
06-Oct-21	___
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	Origin and evolutionary tree
09-Oct-21	Role of amnion in evolution
10-Oct-21	**SUNDAY**
11-Oct-21	**___**
12-Oct-21	**___**
13-Oct-21	**___**
14-Oct-21	Salient features of chordates
15-Oct-21	**Dussehra**
16-Oct-21	Functional morphology of the types with examples emphasizing their biodiversity, economic importance and conservation measures where required
17-Oct-21	**SUNDAY**
18-Oct-21	**___**
19-Oct-21	**___**
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	Continued
22-Oct-21	General characters and classification of phyla upto orders with examples emphasizing their biodiversity, economic importance and conservation measures where required
23-Oct-21	Continued
24-Oct-21	**SUNDAY**
25-Oct-21	**___**
26-Oct-21	**___**
27-Oct-21	**___**
28-Oct-21	Protochordates : Systematic position, distribution, ecology

29-Oct-21	Protochordates: Morphology and affinities
30-Oct-21	Urochordata: *Herdmania*- External characters, Body wall and Digestive system
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	___
09-Nov-21	___
10-Nov-21	___
11-Nov-21	*Herdmania*: Respiratory system and blood vascular system
12-Nov-21	*Herdmania*: Nervous system and excretory system
13-Nov-21	*Herdmania*: Reproductive system, sense organs and neural complex
14-Nov-21	**SUNDAY**
15-Nov-21	___
16-Nov-21	___
17-Nov-21	___
18-Nov-21	Cephalochordata: *Amphioxus* - External characters, Body wall and Digestive system
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	*Amphioxus*- Coelom, Circulatory system and respiratory system
21-Nov-21	**SUNDAY**
22-Nov-21	___
23-Nov-21	___
24-Nov-21	___
25-Nov-21	*Amphioxus*- Excretory system and nervous system
26-Nov-21	*Amphioxus*- Sense organs and reproductive system
27-Nov-21	Class Test
28-Nov-21	**SUNDAY**
29-Nov-21	___
30-Nov-21	___
1-Dec-21	___
2-Dec-21	General characters and classification of phyla upto orders with examples emphasizing their biodiversity, economic importance and conservation measures where required
3-Dec-21	Continued
4-Dec-21	Cyclostomes: Classification and ecological significance of *Petromyzon*

5-Dec-21	**SUNDAY**
6-Dec-21	___
7-Dec-21	___
8-Dec-21	___
9-Dec-21	*Petromyzon*- External characters, Body wall and Digestive system
10-Dec-21	*Petromyzon*-Circulatory system and respiratory system
11-Dec-21	*Petromyzon*- Excretory system and nervous system
12-Dec-21	**SUNDAY**
13-Dec-21	___
14-Dec-21	___
15-Dec-21	___
16-Dec-21	*Petromyzon*- Sense organs, reproductive system and embryonic development
17-Dec-21	**Assignment 1 preparation**
18-Dec-21	General characters and classification of phyla upto orders with examples emphasizing their biodiversity, economic importance and conservation measures where required
19-Dec-21	**SUNDAY**
20-Dec-21	___
21-Dec-21	___
22-Dec-21	___
23-Dec-21	Continued
24-Dec-21	Pisces: Parental care in fishes
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	___
28-Dec-21	___
29-Dec-21	___
30-Dec-21	Fish migration
31-Dec-21	Class test
1-Jan-22	*Labeo*- External characters, digestive system and body wall
2-Jan-22	**SUNDAY**
3-Jan-22	___
4-Jan-22	___
5-Jan-22	___
6-Jan-22	*Labeo*- Respiratory system, air bladder and sense organs
7-Jan-22	*Labeo*- Blood vascular system and nervous system
8-Jan-22	Continued
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	___
11-Jan-22	___
12-Jan-22	___

13-Jan-22	*Labeo*- Excretory system and reproductive system
14-Jan-22	Continued
15-Jan-22	Class test
16-Jan-22	**SUNDAY**
17-Jan-22	**___**
18-Jan-22	**___**
19-Jan-22	**___**
20-Jan-22	Pisces: Scales and Fins
21-Jan-22	Continued
22-Jan-22	Class Test
23-Jan-22	**SUNDAY**
24-Jan-22	**___**
25-Jan-22	**___**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Assignment 2 preparation
28-Jan-22	Revision
29-Jan-22	Revision

K.L Mehta Dayanand College For Women,
Faridabad Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms.Manisha verma Class And Section: B.Sc. (Non medical) 3rd semester Subject: Organic chemistry

Mode Of Teaching: Offline

Lectures Per Week:2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	

23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	Monohydric alcohols nomenclature,methods of information by reduction of aldehydes,ketones,carboxylic and esters.
30-Oct-21	Hydrogen bonding,acidic nature,reactions of alcohols.
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	Dihydric alcohols-nomenclature,methods of formation,chemical reactions of vicinal glycols.
13-Nov-21	Oxidation cleavage[$Pb(OAc)_4$ and HIO4] and pinacol-pinacolone rearrangement.
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**

20-Nov-21	Synthesis of epoxides.Acid and Base-catalyzed ring opening of epoxides.
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	Orientation of epoxide ring opening,reaction of Grignard and organolithium reagents with epoxides.
27-Nov-21	Assignment of Alcohols.
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	Nomenclature,structure and bonding.Preparation of phenols,physical properties and acidic character.
4-Dec-21	Comparative acidic strength of alcohols and phenols,resonance stabilization of phenoxides ion.
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	Reaction of phenols-electrophilic aromatic substitution,Mechanisms of Fries rearrangement.
11-Dec-21	Claisen rearrangement,Reimer-Tiemann reaction,Kolbe's reaction and Schotten and Baumann reactions.
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	

17-Dec-21	Test:- Alcohols and Epoxides
18-Dec-21	Assignment:-Phenols
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	Absorption laws (Beer-Lambert law) molar absorptivity presentation and analysis of UV spectra, types of electronic transitions.
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	Effect of conjugation ,concept of chromophore and auxochrome.
1-Jan-22	Bathochromic ,hypsochromic ,hyperchromic and hypochromic shifts.
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	UV spectra of conjugated enes and enones,woodward-fisher rules,calculation of **λmax** of simple conjugated dienes and α,β-unsaturated ketons.
8-Jan-22	Application of UV Spectroscopy in structure elucidation of simple organic compounds.
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	

13-Jan-22	
14-Jan-22	Test:-Phenols
15-Jan-22	Nomenclature of carboxylic acids,structure and bonding,physical properties, Acidity of carboxylic acids.
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	Effect of substituents on acid strength,preparation of carboxylic acids, Reaction of carboxylic acids.
22-Jan-22	Hell-Volhard-Zelinsky reaction ,reduction of carboxylic acids,mechanism of decarboxyation.
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	Structure,nomenclature,preparation of acid chlorides,esters,amides and acid anhydrides,physical properties.
29-Jan-22	Relative stability of acyl derivatives,interconversion of acid derivatives by nucleophilic substitution.mechanism of esterification and hydrolysis.

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms.Manishaverma

Class And Section: B.Sc. (Medical) 5th semester Section"B"

Subject: Organic chemistry

Mode Of Teaching: Offline

Lectures Per Week:2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	Principal of nuclear magnetic resonance,the PMR spectrum number of signals,peakareas,shielding and deshielding of protons.
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Equivalent and non-equivalent protons positions of signals and chemical shift ,proton counting.
11-Nov-21	Splitting of signals and coupling constants,magnetic equivalence of protons.
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Discuss of PMR spectra of the molecules: ethyl bromide,n-propyl bromide,isopropyl bromides,1,1-dibromoethane.
18-Nov-21	1,1,2-tribromoethane,ethanol,acetaldehyde,ethyl acetate,toluene.
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	Benzaldehydeandacetophenone,simple problems on PMR spectroscopy for structure determination of organic compounds.
25-Nov-21	Assignment:-NMR spectroscopy 1st and 2nd
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	Test:-NMR spectroscopy 1st
2-Dec-21	Classfication and nomenclature,monosaccharides,mechanisms of osazoneformation,erythro and threodiastereomers.
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	Inerconversion of glucose and fructose,chain lengthening and chain shortening of aldoses,conversion of glucose inti mannose.
9-Dec-21	Configuration of monosaccharides,formation of gylcosides,ethers,esters.
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**

13-Dec-21	
14-Dec-21	
15-Dec-21	Determination of ring size of glucose and fructose,open chain and cyclic structure of D(+) glucose and D(-) fructose,mechanism of mutarotation.
16-Dec-21	Structures of ribose and deoxyribose,disaccharides(maltose,sucrose and lactose).
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Polysaccharides(starch and cellulose) without involving structure determination.
23-Dec-21	Assignment:-carbohydrate 1st and 2nd
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	Test:-NMR spectroscopy 2nd
30-Dec-21	Organomagnesium compound: the Grignard reagent formation,structure and chemical reactions.
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Organozinc compound: formation and chemical reactions.
6-Jan-22	Test:-Carbohydrate 1st
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	Organolithium compound: formation and chemical reactions.
13-Jan-22	Test:-Carbohydrate 2nd
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	Assignment:- Organometallic compounds.
20-Jan-22	Test:-Organometallic compounds.
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	

25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms.Manishaverma

Class And Section: B.Sc. (Medical) 5th semester Section"A"

Subject: Organic chemistry

Mode Of Teaching: Offline

Lectures Per Week:2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	Principalof nuclear magnetic resonance,the PMR spectrum number of signals,peakareas,shielding and deshieldingof protons.
30-Oct-21	Equivalent and non-equivalent protons positions of signals and chemical shift ,proton counting.
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	

06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	Splitting of signals and coupling constants,magnetic equivalence of protons.
13-Nov-21	Discuss of PMR spectra of the molecules: ethyl bromide,n-propyl bromide,isopropyl bromides,1,1-dibromoethane.
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	1,1,2-tribromoethane,ethanol,acetaldehyde,ethyl acetate,toluene.
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	Benzaldehydeandacetophenone,simple problems on PMR spectroscopy for structure determination of organic compounds.
27-Nov-21	Assignment:-NMR spectroscopy 1st and 2nd
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	Test:-NMR spectroscopy 1st
4-Dec-21	Classfication and nomenclature,monosaccharides,mechanisms of osazoneformation,erythro and threodiastereomers.
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	Inerconversion of glucose and fructose,chain lengthening and chain shortening of aldoses,conversion of glucose inti mannose.
11-Dec-21	Configuration of monosaccharides,formation of gylcosides,ethers,esters.
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	Determination of ring size of glucose and fructose,open chain and cyclic structure of D(+) glucose and D(-) fructose,mechanism of mutarotation.
18-Dec-21	Structures of ribose and deoxyribose,disaccharides(maltose,sucrose and lactose).
19-Dec-21	**SUNDAY**
20-Dec-21	

21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	Polysaccharides(starch and cellulose) without involving structure determination.
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	Assignment:-carbohydrate 1st and 2nd
1-Jan-22	Test:-NMR spectroscopy 2nd
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	Organomagnesium compound: the Grignard reagent formation,structure and chemical reactions.
8-Jan-22	Organozinc compound: formation and chemical reactions.
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	Test:-Carbohydrate 1st
15-Jan-22	Organolithium compound: formation and chemical reactions.
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	Test:-Carbohydrate 2nd
22-Jan-22	Assignment:- Organometallic compounds.
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	Test:-Organometallic compounds.
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Dr. Nupur Srivastava

Class And Section: M.Sc. 3rd semester

Subject: Discrete Mathematics(17MAT23DA1)

Mode Of Teaching: Online and offline

Lectures Per Week:06

Date	**Topic to be Covered**
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Recurrence and generating function
11-Nov-21	Some number sequence
12-Nov-21	Linear homogeneous recurrence relation
13-Nov-21	Non homogeneous recurrence relation
14-Nov-21	**SUNDAY**
15-Nov-21	Generating function
16-Nov-21	Recurrence and generating function

17-Nov-21	Exponential generating function
18-Nov-21	Symbolic representation
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Tautologies
21-Nov-21	**SUNDAY**
22-Nov-21	Quantifier
23-Nov-21	Predicates and validitu
24-Nov-21	Theorems
25-Nov-21	Lattice as partially ordered set
26-Nov-21	Lattice as algebraic system
27-Nov-21	Sublattice
28-Nov-21	**SUNDAY**
29-Nov-21	Direct product
30-Nov-21	Test
1-Dec-21	Some special lattice
2-Dec-21	Complete and complimented lattice
3-Dec-21	Bollen alzebra as lattice
4-Dec-21	Various bollen alzebra
5-Dec-21	**SUNDAY**
6-Dec-21	Switching algebra of lattice and example
7-Dec-21	Sub alzebra direct products
8-Dec-21	Homorphism joint irreducible
9-Dec-21	Atoms and minterms
10-Dec-21	Bollen forms and their equivalence
11-Dec-21	Sum of products
12-Dec-21	**SUNDAY**
13-Dec-21	Conical forms

14-Dec-21	Minimization of boolean functions
15-Dec-21	Application of boolean alzebra
16-Dec-21	Kamaugh method
17-Dec-21	Finite state machines and their transition table diagram
18-Dec-21	Equivalence of finite state
19-Dec-21	**SUNDAY**
20-Dec-21	Reduced machines
21-Dec-21	Homomorhism
22-Dec-21	Finite automata
23-Dec-21	Acceptors
24-Dec-21	Nondeterministic
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Finite automata
28-Dec-21	Equivalence of its power
29-Dec-21	Moore and Melanie machine
30-Dec-21	Grammars and languages
31-Dec-21	Phrase structure grammer
1-Jan-22	Requiring rules
2-Jan-22	**SUNDAY**
3-Jan-22	Derivation
4-Jan-22	Sentencing formd
5-Jan-22	Language generated by a grammer
6-Jan-22	Regular
7-Jan-22	Context free and sensitive grammer
8-Jan-22	Regular sets
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**

10-Jan-22	Regular expressions and pumping lemma
11-Jan-22	Revisions
12-Jan-22	Doubt class
13-Jan-22	Test
14-Jan-22	Revisions
15-Jan-22	Revisions
16-Jan-22	**SUNDAY**
17-Jan-22	Doubt class
18-Jan-22	Revisions
19-Jan-22	Doubt class
20-Jan-22	Revisions
21-Jan-22	Revisions
22-Jan-22	Revisions
23-Jan-22	**SUNDAY**
24-Jan-22	Doubt class
25-Jan-22	Doubt class
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revisions
28-Jan-22	Revisions
29-Jan-22	Revisions

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (July 2021-22)

Name Of The Associate/Assistant Professor:Dr.Nupur Srivastava

Class And Section: M.Sc first year

Subject: Complex Analysis

Mode Of Teaching:offline

Lectures Per Week:06

Date	**Topic to be Covered**
23-Nov-21	Function of a complex variable
24-Nov-21	Continuity
25-Nov-21	Differentiabilty
26-Nov-21	Analytic function
27-Nov-21	Cauchy riemann equation
28-Nov-21	**SUNDAY**
29-Nov-21	Cauchy equation in polar coordinate
30-Nov-21	Power series
1-Dec-21	Radius of convergence
2-Dec-21	Differentiability of sum function of power series
3-Dec-21	Branches of many valued functions with special reference to arguments log z
4-Dec-21	Path in region
5-Dec-21	**SUNDAY**
6-Dec-21	Contour
7-Dec-21	Complex integration
8-Dec-21	Cauchy theorem
9-Dec-21	Cauchy integral formula

10-Dec-21	Extension of cauchy integral
11-Dec-21	Position integral
12-Dec-21	**SUNDAY**
13-Dec-21	Cauchy inequality
14-Dec-21	Linville theorem
15-Dec-21	Taylor theorem
16-Dec-21	Test
17-Dec-21	Revision
18-Dec-21	Revision
19-Dec-21	**SUNDAY**
20-Dec-21	Revision
21-Dec-21	Theorem
22-Dec-21	Theorem
23-Dec-21	Theorem
24-Dec-21	Theorem
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Doubt class
28-Dec-21	Doubt class
29-Dec-21	Revision
30-Dec-21	Theorem
31-Dec-21	Theorem
1-Jan-22	Theorem
2-Jan-22	**SUNDAY**
3-Jan-22	Theorem
4-Jan-22	Zeros of analytic function
5-Jan-22	Laurentiis series

6-Jan-22	Isolated singularity
7-Jan-22	Cassorati theorem
8-Jan-22	Weierstrass theorem
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Limit point of zeros
11-Jan-22	Limit point of poles
12-Jan-22	Maximum modulus theorem
13-Jan-22	Schwarz lemma
14-Jan-22	Meromorphic functions
15-Jan-22	Argument principle
16-Jan-22	**SUNDAY**
17-Jan-22	Rochester theorem
18-Jan-22	Fundamental theorem of algebra
19-Jan-22	Inverse function theorem
20-Jan-22	Theorem
21-Jan-22	Theorem
22-Jan-22	Theorem
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Revision
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Doubt class
28-Jan-22	Doubt class
29-Jan-22	Test
30-Jan-22	**SUNDAY**
31-Jan-22	Presentation
1-Feb-22	Revision

2-Feb-22	Revision
3-Feb-22	Revision
4-Feb-22	Doubt class
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	Theorem
8-Feb-22	Theorem
9-Feb-22	Theorem
10-Feb-22	Theorem
11-Feb-22	Doubt class
12-Feb-22	Revisions
13-Feb-22	**SUNDAY**
14-Feb-22	Revisions
15-Feb-22	Revisions
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Theorem
18-Feb-22	Theorem
19-Feb-22	Theorem
20-Feb-22	**SUNDAY**
21-Feb-22	Revisions
22-Feb-22	Revisions
23-Feb-22	Doubt class
24-Feb-22	Test
25-Feb-22	Test
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	Doubt class

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (July 2021-22)

Name Of The Associate/Assistant Professor:Dr.Nupur Srivastava

Class And Section: M.Sc first semester

Subject: Mathematical Analysis

Mode Of Teaching:Offline

Lectures Per Week:06

Date	**Topic to be Covered**
23-Nov-21	Riemann-Stieltjes integral
24-Nov-21	Existence and properties
25-Nov-21	Integration
26-Nov-21	Differentiation
27-Nov-21	Test
28-Nov-21	**SUNDAY**
29-Nov-21	Fundamental theorem
30-Nov-21	Theorems
1-Dec-21	Theorems
2-Dec-21	Theorems
3-Dec-21	Doubt class
4-Dec-21	Doubt class
5-Dec-21	**SUNDAY**
6-Dec-21	Integration of vector valued function
7-Dec-21	Rectifiable curves
8-Dec-21	Theorems
9-Dec-21	Theorems

10-Dec-21	Theorems
11-Dec-21	Doubt class
12-Dec-21	**SUNDAY**
13-Dec-21	Sequence and series of function
14-Dec-21	Theorems
15-Dec-21	Existence of point wise and uniform convergence
16-Dec-21	Theorem
17-Dec-21	Theorem
18-Dec-21	Cauchy crieterion for uniform convergence
19-Dec-21	**SUNDAY**
20-Dec-21	Theorem
21-Dec-21	Theorem
22-Dec-21	Cauchy crieterion for uniform convergence
23-Dec-21	Weirstrass Mtest
24-Dec-21	Able test
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Dirichlet test for uniform convergence
28-Dec-21	Uniform convergence
29-Dec-21	Continuity
30-Dec-21	Uniform convergence
31-Dec-21	Differentiation
1-Jan-22	Weierstrass
2-Jan-22	**SUNDAY**
3-Jan-22	Approximation theorem
4-Jan-22	Power series
5-Jan-22	Uniform convergence

6-Jan-22	Uniqueness theorem
7-Jan-22	Abel theorem
8-Jan-22	Tabular theorem
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Function of several variable
11-Jan-22	Linear transformation
12-Jan-22	Euclidean space
13-Jan-22	Derivative in an open subset
14-Jan-22	Chain rule
15-Jan-22	Partial derivative
16-Jan-22	**SUNDAY**
17-Jan-22	Continously differentiation
18-Jan-22	Mapping
19-Jan-22	Young theorem
20-Jan-22	Schwarz theorem
21-Jan-22	Taylor theorrm
22-Jan-22	Higher order derivative
23-Jan-22	**SUNDAY**
24-Jan-22	Theorem
25-Jan-22	Theorem
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Taylor theorem
28-Jan-22	Higher order differentials
29-Jan-22	Explicit and implicit function & Inverse function theorem
30-Jan-22	**SUNDAY**
31-Jan-22	Change of variables
1-Feb-22	Theorem

2-Feb-22	Theorem
3-Feb-22	Extreme value of explicit functions
4-Feb-22	Revision
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	Stationary values of implicit functions
8-Feb-22	Lagrange multipliers method
9-Feb-22	Jacobian and it's properties
10-Feb-22	Rebision
11-Feb-22	Test
12-Feb-22	Doubt class
13-Feb-22	**SUNDAY**
14-Feb-22	Revision
15-Feb-22	Revision
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	Revision
18-Feb-22	Doubt class
19-Feb-22	Doubt class
20-Feb-22	**SUNDAY**
21-Feb-22	Revision
22-Feb-22	Revision
23-Feb-22	Revision
24-Feb-22	Revision
25-Feb-22	Revisiom
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	Revision

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Dr.Nupur Srivastava

Class And Section: B.Com hons

Subject: Business Mathematics

Mode Of Teaching:Online and offline

Lectures Per Week:6

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	Definition of matrix, types of matrix
11-Nov-21	Additions and subtraction of matrix
12-Nov-21	Multiplication of matrix
13-Nov-21	Inverse of matrix
14-Nov-21	**SUNDAY**
15-Nov-21	Symmetric and skew symmetrical matrix
16-Nov-21	Determinant

17-Nov-21	Determinant
18-Nov-21	Minor and cofactor of determinant
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	Properties of determinant
21-Nov-21	**SUNDAY**
22-Nov-21	Consistent and inconsistent equation
23-Nov-21	Adjoins of matrix
24-Nov-21	Inverse of matrix
25-Nov-21	Theorem
26-Nov-21	Finding out inverse
27-Nov-21	Solution of linear equations
28-Nov-21	**SUNDAY**
29-Nov-21	Test
30-Nov-21	Leontief input output problem
1-Dec-21	Problems on the topic
2-Dec-21	Linear programming
3-Dec-21	Graphs of linear programming
4-Dec-21	Problems on topic
5-Dec-21	**SUNDAY**
6-Dec-21	Solution of linear programming
7-Dec-21	Problems on topic
8-Dec-21	Practical application of linear programming problem
9-Dec-21	Linear programming simplex method
10-Dec-21	Problems on topic
11-Dec-21	Duality and dual problem
12-Dec-21	**SUNDAY**

13-Dec-21	Problem on topic
14-Dec-21	Set theory
15-Dec-21	Types of set
16-Dec-21	Proper set and power set
17-Dec-21	Venn diagram
18-Dec-21	Operation on sets
19-Dec-21	**SUNDAY**
20-Dec-21	Theorem
21-Dec-21	Application of sets
22-Dec-21	Differentiation
23-Dec-21	Derivative of functions
24-Dec-21	General theorem
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Chain rule
28-Dec-21	Differentiation of log function
29-Dec-21	Differentiation of emplicit function
30-Dec-21	Logarithmic differentiation
31-Dec-21	Test
1-Jan-22	Derivative of higher order
2-Jan-22	**SUNDAY**
3-Jan-22	Integration
4-Jan-22	Integration by subsitution
5-Jan-22	Integration by parts
6-Jan-22	Partial fraction
7-Jan-22	Some standard integration
8-Jan-22	Problems

9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Compound interest
11-Jan-22	Continuous compound interest
12-Jan-22	Annuties
13-Jan-22	Present value of an anuity
14-Jan-22	Solution of practical problem
15-Jan-22	Time value of money
16-Jan-22	**SUNDAY**
17-Jan-22	Multiple compounding periods
18-Jan-22	Problems
19-Jan-22	Revision
20-Jan-22	Doubt class
21-Jan-22	Test
22-Jan-22	Doubt class
23-Jan-22	**SUNDAY**
24-Jan-22	Revision
25-Jan-22	Revisions
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Doubt class
28-Jan-22	Doubt class
29-Jan-22	Doubt class

K.L Mehta Dayanand College For Women,
Faridabad Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Harshita Sethi Class And Section: B.Sc(Non-Medical) 5th sem, Section-B Subject: Organic Chemistry
Mode Of Teaching:
Offline Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	.
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	.
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	

29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**NMR Spectroscopy-I-**Principle of nuclear magnetic resonance, the P MR spectrum, number of signals.
16-Nov-21	Peak areas, equivalent and nonequivalent protons.
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Positions of signals and chemical shift, shielding and deshielding of protons.
23-Nov-21	Proton counting, splitting of signals and coup ling constants, magnetic equivalence of protons.
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	**Test of NMR Spectroscopy-1**
30-Nov-21	**NMR Spectroscopy-II -** Discuss ion o f PMR spectra of the molecules: ethyl bromide, n- propyl bromide, isopropyl bromide.
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	

5-Dec-21	**SUNDAY**
6-Dec-21	1, 1-d ibromoethane, 1,1, 2-tribromoethane, ethanol, a cetaldehyde, ethyl acetate, Toluene ,benzaldehyde and acetophenone..
7-Dec-21	Simple problems on P MR spectroscopy for structure determination of organic compounds.
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	**Test-** NMR Spectroscopy- II
14-Dec-21	**Carbohydrates-I -**Clas sification and nomenclature. Monosaccharides, mechanism ofosazone forma tion, interconversion of glucose and fructose.
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Chain lengthening and chain shortening of aldoses.
21-Dec-21	Configuration o f monosaccharides. Erythro and threo diastereomers. Conversion of glucose into mannose. Formation o f glycosides, ethers and esters. Determination o f ring size of glucose and fructose
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Open chain and cyclic structure of D(+)- glucose & D(-). fructose . Mechanism o f mutarotation.
28-Dec-21	Structures of ribose and deoxyribose.
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	**Test-** Con figuration o f monosaccharides. Erythro and threo diastereomers.
4-Jan-22	**Carbohydrates-II-** An introduction to d isaccharides (maltose, sucrose and lactose),
5-Jan-22	

6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Polysaccharides (starch and cellulose) without involving structure determination.
11-Jan-22	**Test-Carbohydrates-II-** An introduction to d isaccharides (maltose, sucrose and lactose).
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	**Organometallic Compounds** - Organomagnesium compounds, The Grignard reagents- formation.
18-Jan-22	Structure and chemical reactions, Organozinc compounds : formation and chemical reactions.
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	Organolithium compounds: formation and che mical reactions.
25-Jan-22	**Test-**Organolithium compounds.
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. HarshitaSethi

Class And Section: B.Sc(Medical) 5th sem, Section-B

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	**Spectroscopy-I** Electromagneticradiation, regionsof spectrum.
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	**Basicfeatures ofspectroscopy,statementofBorn - oppenheimerapproximation,Degreesoffreedom.**
27-Nov-21	Selectionrules,spectralintensitydistributionusingpopulation distribution(Maxwell-Boltzmanndistribution).
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	
3-Dec-21	**Determinationofbondlength,qualitativedescriptionofnon-rigid rotor,isotope effect.**
4-Dec-21	**Spectroscopy-II** **Vibrational spectrum-** Infraredspectrum:Energylevelsof simpleharmonic oscillator, selectionrules.
5-Dec-21	**SUNDAY**

6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	Purevibrationalspectrum,intensity,determinationofforceconstantandqualitativerelationof forceconstantandbondenergies.
11-Dec-21	**Test-** Energy levels of simple harmonic oscillator.
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	Effectsof anharmonicmotionandisotopiceffectonthespectra., ideaof vibrationalfrequenciesofdifferentfunctionalgroups.
18-Dec-21	**RamanSpectrum-** Concept of polarizibility, pure rotational and pure vibrational Raman spectra ofdiatomicmolecules,Selectionrules,Quantumtheoryof Ramanspectra.
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	**QuantumMechanics-I** **Black-bodyradiation, Plank's radiationlaw, photoelectric effect.**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	Heatcapacityofsolids,Compton effect, wavefunctionanditssignificanceofPostulatesofquantummechanics.
1-Jan-22	**Quantummechanicaloperator, commutation relations, Hamiltonialoperator,Hermitianoperator,averagevalue ofsquareofHermitianas apositive quantity,Roleof operators in quantum mechanics.**
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	**Test-**Hermitianoperator, Roleof operatorsin quantum mechanics.

8-Jan-22	Toshow quantum mechanically that position and momentum cannot bepredicatedsimultaneously
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	Determinationofwave function&energyofaparticleinonedimensionalbox, Pictorialrepresentationanditssignificance.
15-Jan-22	**PhysicalPropertiesandMolecularStructure-Opticalactivity,polarization–(Clausius–Mossottiequation).**
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	**Test-Clausius–Mossottiequation.**
22-Jan-22	Measurement ofdipole moment-temperaturemethodand reactivity method ,Dipolemomentand structure o fmolecules, Magneticpermeability, magneticsusceptibilityanditsdetermination.
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	Applicationofma gneticsusceptibility,magnetic properties–paramagnetism,diamagnetismandferromagnetics.
29-Jan-22	**Test-Determinationofwave function&energyofaparticleinonedimensionalbox, Pictorialrepresentationanditssignificance.**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. HarshitaSethi

Class And Section: B.Sc(Medical) 3rd sem, Section-B

Subject: Organic Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	

23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**Alcohols-** Monohydricalcohols—nomenclature, Methodsofformationby reductionofaldehydes,ketones, carboxylicacidsandesters.
16-Nov-21	Hydrogenbonding.Acidicnature.Reactionsofalcohols.
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Dihydric alcohols — nomenclature, methods of formation,chemical reactions of vicinal glycols.
23-Nov-21	Oxidative cleavage[$Pb(OAc)_4$andHIO_4]andpinacol-pinacolonerearrangement.
24-Nov-21	
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	**Epoxides-**Synthesiso fepoxides.Acidandbase-catalyzedring opening

	ofepoxides ,orientationofepoxidering opening.
30-Nov-21	**Reactions o fGrignardandorganolithiumreagents.withepoxides.**
1-Dec-21	
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	**Phenols**-Nomenclature, structure and bonding. Preparation of phenols, physical propertiesandacidiccharacter.
7-Dec-21	Comparativeacidicstrengthsofalcoholsandphenols,resonance stabilization of phenoxide ion. Reactions of phenols — electrophilic aromatic substitution.
8-Dec-21	
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Mechanisms of Fries rearrangement, Claisen rearrangement,Reimer-Tiemannreaction.
14-Dec-21	Kolbe'sreactionandSchottenandBaumannreactions.
15-Dec-21	
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	**Test-Mechanisms of Fries rearrangement, Claisen rearrangement,Reimer-Tiemannreaction.**
21-Dec-21	**Ultraviolet(UV)absorptionspectroscopy-** Absorptionlaws(Beer-Lambertlaw),molarabsorptivity,presentationandanalysisofUVspectra.
22-Dec-21	
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Typesofelectronic transitions, effectofconjugation. Conceptofchromophoreandauxochrome ,Bathochromic,hypsochromic,hyperchromicandhypochromicshifts.
28-Dec-21	UVspectraofconjugatedenesandenones, Woodward- Fieserrules, calculation of $\lambda_{max}$of simpleconjugateddienesand α,β-unsaturated ketones.
29-Dec-21	
30-Dec-21	
31-Dec-21	
1-Jan-22	

2-Jan-22	**SUNDAY**
3-Jan-22	ApplicationsofUVSpectroscopyinstructureelucidationofsimpleorganic compounds.
4-Jan-22	CarboxylicAcids&AcidDerivatives-Nomenclature of Carboxylic acids, structure and bonding, physicalproperties,acidityofcarboxylicacids.
5-Jan-22	
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Test**-Typesofelectronic transitions, effectofconjugation. Conceptofchromophoreandauxochrome.
11-Jan-22	Effects of substituentsonacidstrength.Preparationofcarboxylicacids.
12-Jan-22	
13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Reactions ofcarboxylicacids,Hell-Volhard-Zelinskyreaction,Reductionofcarboxylicacids,Mechanismofdecarboxylation.
18-Jan-22	Structure, nomenclature and preparationof acid chlorides, esters,amides and acid anhydrides.Relativestability of acyl derivatives.
19-Jan-22	
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**Physicalproperties, interconversionof acid derivatives bynucleophilicacyl substitution.Mechanismsofesterificationandhydrolysis(acidicand basic).**
25-Jan-22	**Test-**Mechanism of decarboxylation, Structure, nomenclature and preparation of acid chlorides, esters, amides and acid anhydrides.
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: YOGITA

Class And Section: B.Sc Medical 3rdSem& Sec-B

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	Definition of thermodynamics terms: system , surrounding etc. Types of systems, intensive and extensive properties.
18-Nov-21	State and path functions and their differentials. Thermodynamic process. Concept of heat and work.
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	Zeroth law of thermodynamics, First law of thermodynamics: statement,and its Derivation
25-Nov-21	definition of internal energy and enthalpy. Heat Capacity
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	heat capacities at constant volume and pressure and their relationship.
2-Dec-21	Joule's law- joule- Thomson- coefficient for ideal gas and real gas : and inversion temperature.
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	**Test-1**
9-Dec-21	**Thermodynamics II :**Calculation of w, q, dU, and dH for the expansion of ideal gas under adiabatic condition reversible

	process
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	.**Thermodynamics II :**Calculation of w, q, dU, and dH for the expansion of ideal gas under adiabatic condition reversible process
16-Dec-21	Temperature dependence of enthalpy, Kirchoffo equation.
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	Bond energies and application of bond energies
23-Dec-21	Test-2
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	**Chemical equilibrium :**Equilibrium constant and free energy, concept of chemical potential. Thermodynamic Temperature dependence of equilibrium constant
30-Dec-21	Van't Hoff reaction isochore, Van'tHoffreaction isotherm. Le-chatelier's principle and it's applications
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	Clapeyron equation andClausius-clapeyron equation and it's applications
6-Jan-22	Test-3
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	**Distribution law :**Nernst distribution law and it's thermodynamic derivation
13-Jan-22	Modifications of distribution law when solute undergoes association, dissociation and chemical combination

14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	Application of distribution law : determination of degree of hydrolysis and hydrolysis constant of aniline hydrochloride.
20-Jan-22	Determination of Equilibrium constant of potassium tri-iodide complex
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Test-4**
28-Jan-22	
29-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: YOGITA

Class And Section: B.Sc Medical 3rdSem& Sec-A

Subject: Physical Chemistry

Mode Of Teaching: Offline

Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	

24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	Definition of thermodynamics terms: system , surrounding etc. Types of systems, intensive and extensive properties.
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	
26-Nov-21	State and path functions and their differentials. Thermodynamic process. Concept of heat and work.
27-Nov-21	definition of internal energy and enthalpy. Heat Capacity
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	

2-Dec-21	
3-Dec-21	heat capacities at constant volume and pressure and their relationship.
4-Dec-21	Joule's law- joule- Thomson- coefficient for ideal gas and real gas : and inversion temperature.
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	
10-Dec-21	**Test-1**
11-Dec-21	**Thermodynamics II :**Calculation of w, q, dU, and dH for the expansion of ideal gas under isothermal condition reversible process
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	
17-Dec-21	**Thermodynamics II :**Calculation of w, q, dU, and dH for the expansion of ideal gas under adiabatic condition reversible process
18-Dec-21	Temperature dependence of enthalpy, Kirchoffo equation,Bond energies and application of bond energies
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	
24-Dec-21	Test-2
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	
31-Dec-21	**Chemical equilibrium :**Equilibrium constant and free energy, concept of chemical potential. Thermodynamic Temperature dependence of equilibrium constant
1-Jan-22	Van't Hoff reaction isochore, Van'tHoffreaction isotherm. Le-chatelier's principle and it's applications
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	
7-Jan-22	Clapeyron equation andClausius-clapeyron equation and it's applications

8-Jan-22	**Test-3**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	
14-Jan-22	**Distribution law :**Nernst distribution law and it's thermodynamic derivation
15-Jan-22	Modifications of distribution law when solute undergoes association, dissociation and chemical combination
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	
21-Jan-22	Application of distribution law : determination of degree of hydrolysis and hydrolysis constant of aniline hydrochloride.
22-Jan-22	Determination of Equilibrium constant of potassium tri-iodide complex
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	
28-Jan-22	**Test-4**
29-Jan-22	Doubt class

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Savita Rani
Class And Section: B. Sc (Medical) both section A and B
Subject: Ecology
Mode Of Teaching: Offline
Lectures Per Week: 27

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Orientation programme
05-Oct-21	Introduction to ecology, Basic concept of ecology, structural functional and levels of organisation
06-Oct-21	Branches of plant ecology, importance and its scope, climatic factors general introduction both physical and biotic
07-Oct-21	**MAHARAJA AGARSEN JAYANTI**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	Climatic factor: water, precipitation rainfall atmospheric humidity
12-Oct-21	Climatic factor wind its useful and harmful effects, climatic factor light intensity its quality duration and temperature
13-Oct-21	Topographic factors effect and distribution of plants
14-Oct-21	
15-Oct-21	**DUSSEHRA**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	Effect an adaptation in low and high temperature and revision of climatic factors
19-Oct-21	Edaphic factors soil formation, soil composition and physicochemical properties of soil
20-Oct-21	**MAHARISHI VALMIKI JAYANTI**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	Soil texture, soil structure, soil porosity plasticity, density permeability, soil air and soil water
26-Oct-21	Organic matter present in soil, soil organisms and their useful and harmful effects
27-Oct-21	Topographic factors altitude and latitude direction of mountains
28-Oct-21	
29-Oct-21	

30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**DIWALI BREAK**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Steepness of slope and soil and exposure of slope, valleys etc
09-Nov-21	Biotic factors competition, commensalism and amensalismprotocooperationmutualismparasitism, root parasite and shoot parasite, predation etc
10-Nov-21	Parasitism, root parasite and shoot parasite, predation etc
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	Harmful and useful activities of human being on vegetation and division of edaphic, climatic and biotic factorstest from above topics
16-Nov-21	Test from above topics
17-Nov-21	Ecological adaptations: xerophytes, xerophytes, x-type morphological physiological and not medical adaptations
18-Nov-21	
19-Nov-21	**GURU NANAK DEV JAYANTI**
20-Nov-21	
21-Nov-21	**SUNDAY**
22-Nov-21	Hydrophytes its types, physiological morphological and anatomical adaptation halophytes: its morphological and anatomical and physiological adaptations
23-Nov-21	Halophytes: its morphological and anatomical and physiological adaptations
24-Nov-21	Vivipary and revision of plant adaptation, population ecology
25-Nov-21	
26-Nov-21	
27-Nov-21	
28-Nov-21	**SUNDAY**
29-Nov-21	Size density natality mortality, survivorship and population dispersal
30-Nov-21	Dispersion age structure and distribution of population
1-Dec-21	Age pyramid population fluctuation population growth and population dynamics
2-Dec-21	
3-Dec-21	
4-Dec-21	
5-Dec-21	**SUNDAY**
6-Dec-21	Population dynamics population regulation of population genetics, ecads, ecophenes and ecotypes

7-Dec-21	Community ecology and qualitative characters of community ecology
8-Dec-21	Classification of life forms frequency density abundance cover and association index height weight of population
9-Dec-21	
10-Dec-21	
11-Dec-21	
12-Dec-21	**SUNDAY**
13-Dec-21	Synthetic parameters of population ecology and methods of analysis quadrate line and transect method
14-Dec-21	Plant succession process of succession and development stages of succession
15-Dec-21	Hydrosere, xerosere and Psammosere, Trophic structure of ecosystem biotic component and abiotic component
16-Dec-21	
17-Dec-21	
18-Dec-21	
19-Dec-21	**SUNDAY**
20-Dec-21	Trophic levels food chain and food web and its significance
21-Dec-21	Food chain and food web, ecological pyramids and biomass energy and number, functional aspect of ecosystem, energy flow in an ecosystem
22-Dec-21	Primary and secondary productivity of ecosystem
23-Dec-21	
24-Dec-21	
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Class test for Revision of ecosystem
28-Dec-21	Biogeochemical cycle of carbon, nitrogen, water and phosphorus
29-Dec-21	Powerpoint presentation by students from the topics taught
30-Dec-21	
31-Dec-21	
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	Phytogeographical regions of of world and India, major plant communities of world
4-Jan-22	Vegetation of India, pollution its definition types and origin and air pollution sources effects and control
5-Jan-22	Carbon monoxide, carbon dioxide, sulphur dioxide particulate matter chlorofluorocarbons nitrogen oxides smog hydrocarbons industrial emissions
6-Jan-22	
7-Jan-22	
8-Jan-22	
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Greenhouse effect and global warming, ozone hole and depletion of ozone layer
11-Jan-22	Acid rain and control of air pollution, water pollution sources harmful effects and industrial effluents
12-Jan-22	Harmful effects effect of organic waste chemical fertilizers biocides industrial waste thermal pollution marine water pollution groundwater pollution

13-Jan-22	
14-Jan-22	
15-Jan-22	
16-Jan-22	**SUNDAY**
17-Jan-22	Control of water pollution that is sewage treatment and effluent treatment ,preventive measures
18-Jan-22	Basic introduction to other types of pollution
19-Jan-22	Revision of unit 3
20-Jan-22	
21-Jan-22	
22-Jan-22	
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision /Test Of Unit 1 and 2nd**
25-Jan-22	**Revision /Test Unit 3**
26-Jan-22	**Revision/Test Unit 4**
27-Jan-22	
28-Jan-22	
29-Jan-22	
30-Jan-22	
31-Jan-22	

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Vandna
Class And Section: B.Sc. Biotechnology 1st yr
Subject: Biochemistry
Mode Of Teaching: Offline
Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	**--**
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	-
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	-
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	-
17-Oct-21	**SUNDAY**
18-Oct-21	Introduction Of The Syllabus
19-Oct-21	-
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	Introduction of Biochemistry- Historical perspective
23-Oct-21	-
24-Oct-21	**SUNDAY**
25-Oct-21	Amino acids & Proteins: Structure & Function..
26-Oct-21	-
27-Oct-21	-
28-Oct-21	Structure and properties of Amino acids,
29-Oct-21	-
30-Oct-21	-
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Types of proteins and their classification
09-Nov-21	-
10-Nov-21	-
11-Nov-21	Forces stabilizing protein structure and shape.
12-Nov-21	-
13-Nov-21	-
14-Nov-21	**SUNDAY**
15-Nov-21	Different Level of structural organization of proteins,
16-Nov-21	-
17-Nov-21	-
18-Nov-21	Purification of proteins and criteria of their purity.
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	-
21-Nov-21	**SUNDAY**
22-Nov-21	Denaturation and renaturation of proteins. Fibrous and globular proteins
23-Nov-21	-
24-Nov-21	-
25-Nov-21	Carbohydrates: Structure and Function :
26-Nov-21	-
27-Nov-21	-
28-Nov-21	**SUNDAY**
29-Nov-21	Structure and properties of Monosaccharide,
30-Nov-21	-
1-Dec-21	-
2-Dec-21	Oligosaccharides and Polysaccharides.
3-Dec-21	-
4-Dec-21	-
5-Dec-21	**SUNDAY**
6-Dec-21	Homo & Hetero Polysaccharides,
7-Dec-21	-
8-Dec-21	-
9-Dec-21	Mucopolysaccharides, Bacterial cell wall polysaccharides, Glycoprotein’s and their biological functions
10-Dec-21	-
11-Dec-21	-
12-Dec-21	**SUNDAY**

13-Dec-21	Carbohydrates Metabolism:.
14-Dec-21	-
15-Dec-21	-
16-Dec-21	Glycolysis : reactions
17-Dec-21	-
18-Dec-21	-
19-Dec-21	**SUNDAY**
20-Dec-21	energetics and regulation
21-Dec-21	-
22-Dec-21	-
23-Dec-21	Fate of pyruvate under aerobic and anaerobic conditions.
24-Dec-21	-
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Pentose phosphate pathway and its significance,
28-Dec-21	-
29-Dec-21	-
30-Dec-21	Gluconeogenesis
31-Dec-21	-
1-Jan-22	-
2-Jan-22	**SUNDAY**
3-Jan-22	Glycogenolysis and glycogenesis
4-Jan-22	-
5-Jan-22	-
6-Jan-22	TCA cycle,
7-Jan-22	-
8-Jan-22	-
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	ETC,
11-Jan-22	-
12-Jan-22	-
13-Jan-22	Oxidative phosphorylation. Beta – oxidation of fatty acids
14-Jan-22	-
15-Jan-22	-
16-Jan-22	**SUNDAY**
17-Jan-22	Revision and queries
18-Jan-22	-
19-Jan-22	-
20-Jan-22	Revision and queries
21-Jan-22	-
22-Jan-22	-
23-Jan-22	**SUNDAY**

24-Jan-22	- Revision and queries
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	- Revision and queries
28-Jan-22	-
29-Jan-22	--
	-

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms Vandna
Class And Section: B.Sc. Biotechnology 2nd yr
Subject: Medical Microbiology
Mode Of Teaching: Offline
Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	-
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	-
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	-
17-Oct-21	**SUNDAY**
18-Oct-21	-
19-Oct-21	-
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Introduction: Normal microflora of human body
22-Oct-21	nosocomial infections
23-Oct-21	-
24-Oct-21	**SUNDAY**
25-Oct-21	carriers, septic shock, septicemia
26-Oct-21	-
27-Oct-21	-
28-Oct-21	pathogenicity, virulence factors toxins
29-Oct-21	biosafety levels

30-Oct-21	Morphology, pathogenesis, symptoms, laboratory diagnosis, preventive measures and chemotherapy caused by gram positive bacteria
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Morphology, pathogenesis, symptoms, laboratory diagnosis, preventive measures and chemotherapycaused by gram positive bacteria: S. aureus
09-Nov-21	-
10-Nov-21	-
11-Nov-21	Morphology, pathogenesis, symptoms, laboratory diagnosis, preventive measures and chemotherapycaused by gram positive bacteria: S.pyogenes
12-Nov-21	S.pyogenes
13-Nov-21	-
14-Nov-21	**SUNDAY**
15-Nov-21	B. anthracis
16-Nov-21	-
17-Nov-21	-
18-Nov-21	B. anthracis
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	-
21-Nov-21	**SUNDAY**
22-Nov-21	B. anthracis
23-Nov-21	-
24-Nov-21	-
25-Nov-21	C. perferinges
26-Nov-21	C. perferinges
27-Nov-21	-
28-Nov-21	**SUNDAY**
29-Nov-21	C. tetani
30-Nov-21	-
1-Dec-21	-
2-Dec-21	C. tetani
3-Dec-21	C. botulinum,
4-Dec-21	-
5-Dec-21	**SUNDAY**
6-Dec-21	C. diphtheriae
7-Dec-21	M. tuberculosis
8-Dec-21	-

9-Dec-21	M. leprae
10-Dec-21	Morphology, pathogeneis, symptoms, laboratory diagnosis, preventive measures and chemotherapycaused by gram negative bacteria: E.coli,N.
11-Dec-21	-
12-Dec-21	**SUNDAY**
13-Dec-21	gonorrhoea, N. meningitidis
14-Dec-21	-
15-Dec-21	-
16-Dec-21	P. aeruginosa
17-Dec-21	S. typhi
18-Dec-21	S. dysenteriae
19-Dec-21	**SUNDAY**
20-Dec-21	Y. pestis, B. abortus,
21-Dec-21	-
22-Dec-21	-
23-Dec-21	H. inflenzae
24-Dec-21	V. cholerae,
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	M. pneumoniae T. pallidum
28-Dec-21	-
29-Dec-21	-
30-Dec-21	M. pneumoniae,
31-Dec-21	Rickettsiaceae Chlamydiae
1-Jan-22	-
2-Jan-22	**SUNDAY**
3-Jan-22	Diseases caused by viruses- Picornavirus
4-Jan-22	Orthomyxoviruses
5-Jan-22	-
6-Jan-22	Paramyxoviruses,
7-Jan-22	Rhabdoviruses Reoviruses,
8-Jan-22	-
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Pox virus
11-Jan-22	Herpes virus
12-Jan-22	-
13-Jan-22	Papova virus,
14-Jan-22	Retro viruses (including HIV/AIDS) and Hepatitis viruses
15-Jan-22	-
16-Jan-22	**SUNDAY**
17-Jan-22	Fungal and Protozoan infections
18-Jan-22	Dermatophytoses
19-Jan-22	-

20-Jan-22	Trichophyton,
21-Jan-22	Microsporun and Epidermophyton)
22-Jan-22	-
23-Jan-22	**SUNDAY**
24-Jan-22	Subcutaneousinfection (Sporothrix, Cryptococcus),
25-Jan-22	systemic infection (Histoplasma, Coccidoides) and
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	opportunistic fungal infections (Candidiasis, Aspergillosis),
28-Jan-22	Gastrointestinal infections (Amoebiasis, Giardiasis), Malaria Blood-borne infections (Leishmaniasis)
29-Jan-22	-
	-

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Vandna

Class And Section: B.Sc. Biotechnology 3rd yr

Subject: Immunology

Mode Of Teaching: Offline

Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	-
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	-
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	-
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	-
17-Oct-21	**SUNDAY**
18-Oct-21	-
19-Oct-21	Immune Response - An overview,
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Immune Response - An overview
22-Oct-21	-
23-Oct-21	components of mammalian immune system,
24-Oct-21	**SUNDAY**
25-Oct-21	-
26-Oct-21	components of mammalian immune system,
27-Oct-21	components of mammalian immune system,
28-Oct-21	-
29-Oct-21	-

30-Oct-21	-
31-Oct-21	SUNDAY
01-Nov-21	Diwali Break
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	molecular structure of Immunoglobulins or Antibodies
10-Nov-21	molecular structure of Immunoglobulins or Antibodies
11-Nov-21	-
12-Nov-21	-
13-Nov-21	Humoral & Cellular immune responses
14-Nov-21	SUNDAY
15-Nov-21	-
16-Nov-21	Humoral & Cellular immune responses
17-Nov-21	Humoral & Cellular immune responses
18-Nov-21	-
19-Nov-21	Guru Nanak Dev Jayanti
20-Nov-21	T-lymphocytes & immune response (cytotoxic T-cell, helper T- cell, suppressor T-cells)
21-Nov-21	SUNDAY
22-Nov-21	-
23-Nov-21	T-lymphocytes & immune response (cytotoxic T-cell, helper T- cell, suppressor T-cells)
24-Nov-21	T-cell receptors
25-Nov-21	-
26-Nov-21	-
27-Nov-21	T-cell receptors
28-Nov-21	SUNDAY
29-Nov-21	-
30-Nov-21	Assignment
1-Dec-21	genome rearrangements during B-lymphocyte differentiation, A
2-Dec-21	-
3-Dec-21	-
4-Dec-21	genome rearrangements during B-lymphocyte differentiation, A
5-Dec-21	SUNDAY
6-Dec-21	-
7-Dec-21	antibody affinity maturation class switching
8-Dec-21	antibody affinity maturation class switching
9-Dec-21	-

10-Dec-21	-
11-Dec-21	assembly of T-cell receptor genes by somatic recombination.
12-Dec-21	SUNDAY
13-Dec-21	-
14-Dec-21	Regulation of immunoglobulin gene expression – clonal selection theory,
15-Dec-21	allotypes & idiotypes,
16-Dec-21	-
17-Dec-21	-
18-Dec-21	allelic exclusion,
19-Dec-21	SUNDAY
20-Dec-21	-
21-Dec-21	immunologic memory
22-Dec-21	heavy chain gene transcription,
23-Dec-21	-
24-Dec-21	-
25-Dec-21	CHRISTMAS DAY
26-Dec-21	SUNDAY
27-Dec-21	-
28-Dec-21	genetic basis of antibody diversity
29-Dec-21	hypotheses (germ line & somatic mutation), antibody diversity
30-Dec-21	-
31-Dec-21	--
1-Jan-22	Major Histocompatibility complexes – class I & class II MHC antigens
2-Jan-22	SUNDAY
3-Jan-22	-
4-Jan-22	antigen processing.
5-Jan-22	Immunity to infection – immunity to different organisms.
6-Jan-22	-
7-Jan-22	-
8-Jan-22	pathogen defense strategies,
9-Jan-22	GURU GOBIND SINGH JAYANTI (SUNDAY)
10-Jan-22	-
11-Jan-22	avoidance of recognition.
12-Jan-22	Auto- immune diseases,
13-Jan-22	-
14-Jan-22	-
15-Jan-22	Immunodeficiency- AIDS
16-Jan-22	SUNDAY
17-Jan-22	-
18-Jan-22	Vaccines & Vaccination – adjuvants, cytokines
19-Jan-22	DNA vaccines, recombinant vaccines, bacterial vaccines, viral vaccines
20-Jan-22	-
21-Jan-22	-

22-Jan-22	vaccines to other infectious agents,
23-Jan-22	SUNDAY
24-Jan-22	-
25-Jan-22	Passive & active immunization.
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	-
28-Jan-22	-
29-Jan-22	Introduction to immunodiagnostics – RIA, ELISA.

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Assistant Professor: Dr. Priti
Class And Section: B.Sc. (Biotechnology) – Iyr
Subject: Biochemistry
Mode Of Teaching: Online/ Offline
Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	-
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	Introduction Of The Syllabus
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Introduction of Lipids, Classification, structures, nomenclature
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	-
12-Oct-21	-
13-Oct-21	properties of fatty acids, essential fatty acids. Phospholipids structure
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	-
17-Oct-21	**SUNDAY**
18-Oct-21	-
19-Oct-21	-
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	-
22-Oct-21	properties of different types of phospholipids, sphingomyelins, glycolipids, cerebrosides, gangliosides
23-Oct-21	-
24-Oct-21	**SUNDAY**
25-Oct-21	-
26-Oct-21	-
27-Oct-21	Prostaglandins, cholesterol – its structure and biological properties, utilization of cholesterol
28-Oct-21	-
29-Oct-21	Physical & chemical properties of Nucleic acids,
30-Oct-21	-

31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	-
09-Nov-21	-
10-Nov-21	Structure and properties of purines & pyrimidines Nucleosides & Nucleotides
11-Nov-21	-
12-Nov-21	Double helical model of DNA structure and forces responsible for its A,B, & Z – DNA, denaturation and annealing of DNA
13-Nov-21	-
14-Nov-21	**SUNDAY**
15-Nov-21	-
16-Nov-21	-
17-Nov-21	Assignment
18-Nov-21	-
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	-
21-Nov-21	**SUNDAY**
22-Nov-21	-
23-Nov-21	-
24-Nov-21	Nomenclature and classification of Enzymes
25-Nov-21	-
26-Nov-21	Holoenzyme, apoenzyme, Cofactors, coenzyme, prosthetic groups
27-Nov-21	-
28-Nov-21	**SUNDAY**
29-Nov-21	-
30-Nov-21	-
1-Dec-21	metalloenzymes, monomeric & oligomeric enzymes
2-Dec-21	-
3-Dec-21	activation energy and transition state
4-Dec-21	-
5-Dec-21	**SUNDAY**
6-Dec-21	-
7-Dec-21	-
8-Dec-21	enzyme activity
9-Dec-21	-
10-Dec-21	specific activity, common features of active sites,

	-
11-Dec-21	-
12-Dec-21	**SUNDAY**
13-Dec-21	-
14-Dec-21	-
15-Dec-21	ribozymes
16-Dec-21	-
17-Dec-21	enzyme specificity: types & Theories
18-Dec-21	-
19-Dec-21	**SUNDAY**
20-Dec-21	-
21-Dec-21	-
22-Dec-21	enzyme specificity: types & Theories
23-Dec-21	-
24-Dec-21	enzyme specificity: types & Theories
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	-
28-Dec-21	-
29-Dec-21	abzymes
30-Dec-21	-
31-Dec-21	Biocatalysts from extreme thermophilic and hyperthermophilic archaea and bacteria
1-Jan-22	
2-Jan-22	**SUNDAY**
3-Jan-22	-
4-Jan-22	-
5-Jan-22	Role of cofactors in enzyme catalysis
6-Jan-22	-
7-Jan-22	NAD+, NADP +, FMN/FAD
8-Jan-22	-
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	-
11-Jan-22	-
12-Jan-22	coenzymes A, thiamine pyrophosphate
13-Jan-22	-
14-Jan-22	pyridoxal phosphate
15-Jan-22	-
16-Jan-22	**SUNDAY**
17-Jan-22	-
18-Jan-22	-
19-Jan-22	lipoic-acid,biotin vitamin B12 tetrahydrofolate

20-Jan-22	-
21-Jan-22	metallic ions
22-Jan-22	-
23-Jan-22	**SUNDAY**
24-Jan-22	-
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	-
28-Jan-22	**Test**
29-Jan-22	-

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Assistant Professor: Dr. Priti
Class And Section: B.Sc. (Biotechnology) – I
Subject: Environmental Science
Mode Of Teaching: Online/ Offline
Lectures Per Week: 2

Date	Topic to be Covered
01-Oct-21	-
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	Introduction of the syllabus
05-Oct-21	-
06-Oct-21	Introduction of the syllabus
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	-
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	Definition and scope of environmental studies
12-Oct-21	-
13-Oct-21	Definition and scope of environmental studies
14-Oct-21	-
15-Oct-21	**Dussehra**
16-Oct-21	-
17-Oct-21	**SUNDAY**
18-Oct-21	Definition and scope of environmental studies
19-Oct-21	-
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	-
22-Oct-21	-
23-Oct-21	-
24-Oct-21	**SUNDAY**
25-Oct-21	Importance of environmental studies
26-Oct-21	-
27-Oct-21	Importance of environmental studies
28-Oct-21	-
29-Oct-21	-
30-Oct-21	-
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Importance of environmental studies
09-Nov-21	-
10-Nov-21	Importance of environmental studies
11-Nov-21	-
12-Nov-21	-
13-Nov-21	-
14-Nov-21	**SUNDAY**
15-Nov-21	Natural resources
16-Nov-21	-
17-Nov-21	Natural resources
18-Nov-21	-
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	-
21-Nov-21	**SUNDAY**
22-Nov-21	Natural resources
23-Nov-21	-
24-Nov-21	Natural resources
25-Nov-21	-
26-Nov-21	-
27-Nov-21	-
28-Nov-21	**SUNDAY**
29-Nov-21	Eco system
30-Nov-21	-
1-Dec-21	Eco system
2-Dec-21	-
3-Dec-21	-
4-Dec-21	-
5-Dec-21	**SUNDAY**
6-Dec-21	Eco system
7-Dec-21	-
8-Dec-21	Eco system
9-Dec-21	-
10-Dec-21	-
11-Dec-21	-
12-Dec-21	**SUNDAY**

13-Dec-21	Biodiversity and its conservation
14-Dec-21	-
15-Dec-21	Biodiversity and its conservation
16-Dec-21	-
17-Dec-21	-
18-Dec-21	-
19-Dec-21	**SUNDAY**
20-Dec-21	Biodiversity and its conservation
21-Dec-21	-
22-Dec-21	Biodiversity and its conservation
23-Dec-21	-
24-Dec-21	-
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Environmental Pollution
28-Dec-21	-
29-Dec-21	Environmental Pollution
30-Dec-21	-
31-Dec-21	-
1-Jan-22	-
2-Jan-22	**SUNDAY**
3-Jan-22	Environmental Pollution
4-Jan-22	-
5-Jan-22	Environmental Pollution
6-Jan-22	-
7-Jan-22	-
8-Jan-22	-
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Social issues and the environment
11-Jan-22	-
12-Jan-22	Social issues and the environment
13-Jan-22	-
14-Jan-22	-
15-Jan-22	-
16-Jan-22	**SUNDAY**
17-Jan-22	Human population and environment
18-Jan-22	-
19-Jan-22	Human population and environment
20-Jan-22	-
21-Jan-22	-
22-Jan-22	-
23-Jan-22	**SUNDAY**

24-Jan-22	Test and Assignments
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	-
28-Jan-22	-
29-Jan-22	-

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Assistant Professor: Dr. Priti

Class And Section: B.Sc. (Biotechnology) – II

Subject: Plant Physiology

Mode Of Teaching: Online/ Offline

Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	-
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	General Introduction of Syllabus
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	-
09-Oct-21	Shoot and Apical Meristem
10-Oct-21	**SUNDAY**
11-Oct-21	Histological Organization of Shoot and Root
12-Oct-21	-
13-Oct-21	-
14-Oct-21	Root Structure and Root Apical Meristem
15-Oct-21	**Dussehra**
16-Oct-21	Histological Organization of Root and type of tissue
17-Oct-21	**SUNDAY**
18-Oct-21	Simple and Complex Tissue Structure
19-Oct-21	-
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Secondary Growth and growth rings
22-Oct-21	-
23-Oct-21	Leaf Anatomy
24-Oct-21	**SUNDAY**
25-Oct-21	Importance of Water in Life
26-Oct-21	-
27-Oct-21	-
28-Oct-21	Diffusion, Osmosis, Plasmolysis
29-Oct-21	-
30-Oct-21	Imbibition, Guttation and Transpiration
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Test and Assignment
09-Nov-21	-
10-Nov-21	-
11-Nov-21	Structure of Stomata , Mechanism of Stomata Opening and Closing
12-Nov-21	-
13-Nov-21	Factors Affecting Rate of Transpiration
14-Nov-21	**SUNDAY**
15-Nov-21	Micro and Macro Nutrients
16-Nov-21	-
17-Nov-21	-
18-Nov-21	Role and Deficiency System of Nutrients
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Absorption and Translocation of Minerals
21-Nov-21	**SUNDAY**
22-Nov-21	Mechanism of Mineral Absorption (Active, Passive)
23-Nov-21	-
24-Nov-21	-
25-Nov-21	Translocation of Mineral Salt in Xylem& Phloem
26-Nov-21	-
27-Nov-21	Mechanism of Translocation
28-Nov-21	**SUNDAY**
29-Nov-21	Translocation of Organic Solute
30-Nov-21	-
1-Dec-21	-
2-Dec-21	Photosynthesis, Photosynthetic Pigments
3-Dec-21	-
4-Dec-21	Mechanism of Photosynthesis, Light Reaction
5-Dec-21	**SUNDAY**
6-Dec-21	Dark Reaction
7-Dec-21	-
8-Dec-21	-
9-Dec-21	PS1 and PS2
10-Dec-21	-
11-Dec-21	Photooxidation of Water, Non-Cyclic or Linear Electron Transport
12-Dec-21	**SUNDAY**

13-Dec-21	Cyclic Electron Transport
14-Dec-21	-
15-Dec-21	-
16-Dec-21	Photophosphorylation
17-Dec-21	-
18-Dec-21	Chemical Coupling Hypothesis
19-Dec-21	**SUNDAY**
20-Dec-21	Calvin Cycle
21-Dec-21	-
22-Dec-21	-
23-Dec-21	Hatch-Slack Cycle
24-Dec-21	-
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	Path of Carbon in C4 cycle
28-Dec-21	-
29-Dec-21	-
30-Dec-21	Crassulacean – Acid Metabolism, Significance of CAM Plants
31-Dec-21	-
1-Jan-22	Factor Affecting Photosynthesis
2-Jan-22	**SUNDAY**
3-Jan-22	Introduction Nitrogen Metabolism, Nitrate & Ammonia Assimilation in Plants
4-Jan-22	-
5-Jan-22	-
6-Jan-22	Nitrogen Fixation, Symbiotic Biological Nitrogen Fixation
7-Jan-22	
8-Jan-22	Biochemistry of Nitrogen Fixation, Pathway of Nitrogen Fixation in Leguminous Plants
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	Photoperiodism, Classification of Photo Periodic Response
11-Jan-22	-
12-Jan-22	-
13-Jan-22	Critical Day Length and Photoperiodic Induction
14-Jan-22	-
15-Jan-22	Flowering Stimulus: Florigen, Growth Phase & Curve
16-Jan-22	**SUNDAY**
17-Jan-22	Ethylene, ABA, Auxins, Gibberlins
18-Jan-22	-
19-Jan-22	-
20-Jan-22	Seed Dormancy, Seed Germination, Concept of Photoperiodism, Vernalization
21-Jan-22	-

22-Jan-22	Assignment
23-Jan-22	**SUNDAY**
24-Jan-22	Test
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	-
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Assistant Professor: Dr. Priti
Class And Section: B.Sc. (Biotechnology) – III yr
Subject: Bioinformatics
Mode Of Teaching: Online/ Offline
Lectures Per Week: 4

Date	Topic to be Covered
01-Oct-21	-
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	-
05-Oct-21	-
06-Oct-21	-
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	-
09-Oct-21	-
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	Introduction, History and Applications of Bioinformatics
14-Oct-21	Notion of homology
15-Oct-21	**Dussehra**
16-Oct-21	Sequence Information Sources
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	EMBL, GENBANK
22-Oct-21	Sequence rerieval System
23-Oct-21	Entrez
24-Oct-21	**SUNDAY**
25-Oct-21	-
26-Oct-21	-
27-Oct-21	Entrez, Unigene
28-Oct-21	Understanding the structure of each source and using it on the web
29-Oct-21	Understanding the structure of each source and using it on the web
30-Oct-21	Test
31-Oct-21	**SUNDAY**

01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	-
09-Nov-21	-
10-Nov-21	Inroduction of Protein Information Sources
11-Nov-21	PDB
12-Nov-21	PDB
13-Nov-21	SWISSPROT, TREMBL
14-Nov-21	**SUNDAY**
15-Nov-21	-
16-Nov-21	-
17-Nov-21	Understanding the structure of each source and using it on the web
18-Nov-21	Assignment
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Introduction of Data Generating Techniques and Bioinformatics problem posed by them
21-Nov-21	**SUNDAY**
22-Nov-21	-
23-Nov-21	-
24-Nov-21	Restriction Digestion
25-Nov-21	Chromatograms, Blots
26-Nov-21	PCR, Microarrays
27-Nov-21	Test
28-Nov-21	**SUNDAY**
29-Nov-21	-
30-Nov-21	-
1-Dec-21	Mass Spectrometry
2-Dec-21	Mass Spectrometry
3-Dec-21	Sequence and Phylogeny analysis
4-Dec-21	Detecting Open Reading Frames
5-Dec-21	**SUNDAY**
6-Dec-21	-
7-Dec-21	-
8-Dec-21	Outline of sequence Assembly
9-Dec-21	Mutation/Substitution
10-Dec-21	Matrices

11-Dec-21	Matrices
12-Dec-21	**SUNDAY**
13-Dec-21	-
14-Dec-21	-
15-Dec-21	Pairwise Alignments
16-Dec-21	Pairwise Alignments
17-Dec-21	Introduction to BLAST, using it on the web, Interpreting results
18-Dec-21	Introduction to BLAST, using it on the web, Interpreting results
19-Dec-21	**SUNDAY**
20-Dec-21	-
21-Dec-21	-
22-Dec-21	Multiple Sequence Alignment
23-Dec-21	Multiple Sequence Alignment
24-Dec-21	Phylogenetic Analysis
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	-
28-Dec-21	-
29-Dec-21	Phylogenetic Analysis
30-Dec-21	Assignment
31-Dec-21	Test
1-Jan-22	Inroduction of Databases
2-Jan-22	**SUNDAY**
3-Jan-22	-
4-Jan-22	-
5-Jan-22	Searching Databases, SRS
6-Jan-22	Entrez
7-Jan-22	Test
8-Jan-22	Inroduction of Sequence SimilaritySearches
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	-
11-Jan-22	-
12-Jan-22	Inroduction of Sequence SimilaritySearches
13-Jan-22	BLAST
14-Jan-22	FASTA
15-Jan-22	Inroduction of Data Submission
16-Jan-22	**SUNDAY**
17-Jan-22	-
18-Jan-22	-
19-Jan-22	Data Submission
20-Jan-22	Data Submission

21-Jan-22	Genome Annotation
22-Jan-22	Assignment
23-Jan-22	**SUNDAY**
24-Jan-22	-
25-Jan-22	-
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Pattern and repeat finding Gene identification tools
28-Jan-22	Pattern and repeat finding Gene identification tools
29-Jan-22	Test

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms Bharti

Class And Section: B.Sc 1st yr (NM)

Subject: Algebra (BM-111)

Mode Of Teaching:Offline

Lectures Per Week:

Date	Topic to be Covered
01-Oct-21	Introduction to Matrices
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Theorems based on Matrices**
05-Oct-21	**Exercise and examples discussion**
06-Oct-21	**Symmetric and Hermitian matrix**
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Exercise and examples**
09-Oct-21	**Problems**
10-Oct-21	**SUNDAY**
11-Oct-21	**Introduction to rank of a matrix**
12-Oct-21	**Minor or rank of matrix**
13-Oct-21	**Exercise**
14-Oct-21	**Elementary operations**
15-Oct-21	**Dussehra**
16-Oct-21	**Row echelon and coloumn echelon matrix**
17-Oct-21	**SUNDAY**
18-Oct-21	**Exercise**
19-Oct-21	**problems**
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	**Normal form of a matrix**
22-Oct-21	**Theorems on elementary matrices**

23-Oct-21	**Exercise and examples**
24-Oct-21	**SUNDAY**
25-Oct-21	**Linear dependence and independence of row and coloumn matrices**
26-Oct-21	**Theorems on linear dependence and independence**
27-Oct-21	**Exercise and examples**
28-Oct-21	**problems**
29-Oct-21	**Revision**
30-Oct-21	**Class test**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Introduction to Characteristic equation of a matrix**
09-Nov-21	**Introduction to characteristic equation**
10-Nov-21	**Eigen vector or latent vector**
11-Nov-21	**Exercise and examples**
12-Nov-21	**Scalar polynomial and matrix polynomial**
13-Nov-21	**Exercise and examples**
14-Nov-21	**SUNDAY**
15-Nov-21	**Thorems discussion**
16-Nov-21	**exercise and examples**
17-Nov-21	**problems**
18-Nov-21	**Monic polynomial**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Exercise and Examples**
21-Nov-21	**SUNDAY**

22-Nov-21	**problems**
23-Nov-21	**Introduction to Application of matrices to a system of linear equations**
24-Nov-21	**Solution of system of non-homogeneous equations**
25-Nov-21	**Exercise and examples**
26-Nov-21	**Solution of system of homogeneous equations**
27-Nov-21	**Exercise and examples**
28-Nov-21	**SUNDAY**
29-Nov-21	**Problems**
30-Nov-21	**Orthogonal and unitary matrices** orthogonal matrix and its properties
1-Dec-21	**Unitary matrix and its properties**
2-Dec-21	**exercise and examples**
3-Dec-21	**problems**
4-Dec-21	**Bilinear and Quadratic forms** Linear transformation
5-Dec-21	**SUNDAY**
6-Dec-21	**Factorizable bilinear form**
7-Dec-21	**Exercise and examples**
8-Dec-21	**problems**
9-Dec-21	**Quadratic forms**
10-Dec-21	**Examples and Exercise**
11-Dec-21	**problems**
12-Dec-21	**SUNDAY**
13-Dec-21	**Linear transformation of a quadratic form**
14-Dec-21	**Exercise and examples**
15-Dec-21	**problems**
16-Dec-21	**Relation between the roots and coefficients of an equation**
17-Dec-21	**Remainder theorem and factor theorem**
18-Dec-21	**Exercise and examples**
19-Dec-21	**SUNDAY**

20-Dec-21	**Fundamental theorem of Algebra**
21-Dec-21	**Exercise and examples**
22-Dec-21	**Relation between the roots and the coefficient of an equation**
23-Dec-21	**Exercise and examples**
24-Dec-21	**problems**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**To find the condition that the roots of the given equation satisfy a given relation**
28-Dec-21	**Exercise and examples**
29-Dec-21	**Common roots of two equations**
30-Dec-21	**Exercise and examples**
31-Dec-21	**problems**
1-Jan-22	**'Transformation of equations '** Roots with signs changed
2-Jan-22	**SUNDAY**
3-Jan-22	**Reciprocal roots and equation**
4-Jan-22	**Exercise and examples**
5-Jan-22	**Roots dimished by a given number**
6-Jan-22	**Transformation of cubic and biquadratic equations**
7-Jan-22	**exercise and examples**
8-Jan-22	**Transformation in general**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Exercise and examples**
11-Jan-22	**problems**
12-Jan-22	**Equation of squared difference of a cubic**
13-Jan-22	**Exercise and examples**
14-Jan-22	**problems**
15-Jan-22	**'Solution of cubic and biquadratic equations '** cubic equations

16-Jan-22	**SUNDAY**
17-Jan-22	**Exercise and examples**
18-Jan-22	**Descarte's solution of a biquadratic equation, Exercise**
19-Jan-22	**problems**
20-Jan-22	**Ferrari's method of solving a biquadratic equation, exercise**
21-Jan-22	**problems**
22-Jan-22	**Test**
23-Jan-22	**SUNDAY**
24-Jan-22	**Descarte's rule of sign,exercise**
25-Jan-22	**problems**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision**
28-Jan-22	**Revision**
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms Bharti

Class And Section: B.Sc 3rd sem

Subject: PDE(BM-232)

Mode Of Teaching:Offline

Lectures Per Week:

Date	Topic to be Covered
01-Oct-21	Introduction to Partial differential equations
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	CHapter -1 Formation of partial differential equations by eliminating arbitray constants
05-Oct-21	Exercise -1.1
06-Oct-21	Formation of equation by the elimination of arbitrary functions
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	**Exercise-1.2**
09-Oct-21	**Introduction of first order linear partial equation CH-2**
10-Oct-21	**SUNDAY**
11-Oct-21	**Solution of Lagrange's linear equation**
12-Oct-21	**Exercise 2.1**
13-Oct-21	**Revision of ch 1&2**
14-Oct-21	**Assignment of ch-1**
15-Oct-21	**Dussehra**
16-Oct-21	**Introduction to First Order Non linear PDE ch-3**
17-Oct-21	**SUNDAY**
18-Oct-21	**General method of solution (Charpit's Method)**
19-Oct-21	**Exercise 3.1 & 3.2**
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	**Some standard forms(Form-I-IV) Examples**
22-Oct-21	**Exercise 3.3**
23-Oct-21	**Jacobi's Method and Exercise**
24-Oct-21	**SUNDAY**
25-Oct-21	**Doubts of ch-3**
26-Oct-21	**Test of ch-1,2&3**
27-Oct-21	**Introduction to linear PDE of second and HIgher orders CH-4**
28-Oct-21	**Exercise-4.1**
29-Oct-21	**Solution of non-homogeneous linear PDE with constant coefficient**
30-Oct-21	**Examples**
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Exercise-4.2**
09-Nov-21	**Doubts of ch-4**
10-Nov-21	**Assignment of solution of non-homogeneous linear PDE with constant coefficients**
11-Nov-21	**Revision of ch-4**
12-Nov-21	**Introduction to classification and canonical forms of second order linear PDE ch-6**
13-Nov-21	**Examples**
14-Nov-21	**SUNDAY**
15-Nov-21	**Exercise-6.1**
16-Nov-21	**Introduction to normal forms**
17-Nov-21	**Cases of normal forms and Examples**
18-Nov-21	**Exercise 6.2**

19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Doubts of Exercise 6.1&6.2**
21-Nov-21	**SUNDAY**
22-Nov-21	**Introduction to Reduction of parabolic equation to the canonical form**
23-Nov-21	**Examples**
24-Nov-21	**Exercise 6.3**
25-Nov-21	**Reduction of Elliptic equation to the canonical form**
26-Nov-21	**Exercise 6.4**
27-Nov-21	**Solution of Linear Hyperolic Equation**
28-Nov-21	**SUNDAY**
29-Nov-21	**Exercise 6.5**
30-Nov-21	**Problems**
1-Dec-21	**Test of ch-6**
2-Dec-21	**Assignment of 6.2**
3-Dec-21	**Introduction to Monge's Method for PDE of second order Ch-7**
4-Dec-21	**Derivation of Method**
5-Dec-21	**SUNDAY**
6-Dec-21	**Examples**
7-Dec-21	**Exercise-7.1**
8-Dec-21	**Doubts of Exercise**
9-Dec-21	**Monge's Method of solving RR+As+Tt+U(rt-s2)=V**
10-Dec-21	**Examples**
11-Dec-21	**Exercise 7.2**
12-Dec-21	**SUNDAY**
13-Dec-21	**Doubts of 7.2**
14-Dec-21	**Revision of ch-7**
15-Dec-21	**Introduction of characteristic Equation and Characterics curves ch-8**
16-Dec-21	**Examples**
17-Dec-21	**Exercise 8.1**
18-Dec-21	**Problems**

19-Dec-21	**SUNDAY**
20-Dec-21	**Cauchy's Problem**
21-Dec-21	**Examples and Exercise -8.2**
22-Dec-21	**Doubts class**
23-Dec-21	**Revision of ch-8**
24-Dec-21	**Assignment of characteristics equation and Characterics curve**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Introduction to wave Equation ch-9**
28-Dec-21	**Method of separation of variables**
29-Dec-21	**Solution of one dimensional wave Equation satisfying the given boundary and intitial condition**
30-Dec-21	**Examples**
31-Dec-21	**Solution of two dimensional wave Equation and satisfying the given bounday and initial conditions**
1-Jan-22	**Exercise 9.1**
2-Jan-22	**SUNDAY**
3-Jan-22	**Doubts**
4-Jan-22	**Solution of one dimensional Heat equation, Solution of one dimensional Heat equation satisfying given conditions**
5-Jan-22	**Examples**
6-Jan-22	**Exercise 9.2**
7-Jan-22	**Doubts**
8-Jan-22	**Examples of exr-9.3**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Exercise-9.3**
11-Jan-22	**Doubts**
12-Jan-22	**Revision of ch-9**
13-Jan-22	**Revision of ch-1**
14-Jan-22	**Doubts**
15-Jan-22	**Revision of ch-2**

16-Jan-22	**SUNDAY**
17-Jan-22	**Revision of ch -3**
18-Jan-22	**Revision of ch-4**
19-Jan-22	**Revision of ch-5**
20-Jan-22	**Test**
21-Jan-22	**Presentation**
22-Jan-22	**Revision of ch-6**
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision of ch-7**
25-Jan-22	**Revision of ch-8**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision of ch -9**
28-Jan-22	**Test**
29-Jan-22	**Revision**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms Bharti

Class And Section: B.Sc 1st yr(N.M)

Subject: Solid Geometry (code-BM-113)

Mode Of Teaching:Offline

Lectures Per Week:

Date	Topic to be Covered
01-Oct-21	Introduction to syllabus and preliminaries
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**General equation of second degree** Introduction to conics section, classification of conics section, general equation of second degree always represent a conic section
05-Oct-21	Center of a conic section, to find equation of conic when center is at origin,Find the coordinates of center of conic section
06-Oct-21	Find asymptotes of conics, examples and exercise
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	To find length and equation of axes of conics To find foci of conics To find directries of conics
09-Oct-21	**Examples and exercise**
10-Oct-21	**SUNDAY**
11-Oct-21	**Doubt class**
12-Oct-21	To find axis, latus rectum, tangent at vertex of parabolas,examples
13-Oct-21	**Exercise and problems**
14-Oct-21	General conics, definition, to find equation of tangent at any point on the conics, To find equation of normal at any point on conics
15-Oct-21	**Dussehra**
16-Oct-21	Intersection of general conics and a line, equation of tangents, to find equation of pair of tangent and equation of chord with middle point

17-Oct-21	**SUNDAY**
18-Oct-21	Determine Locus of middle points, Condition for two straight line which is parallel to the two conjugate diameters, Condition for line touching the conics, chord of contact
19-Oct-21	Equation of polar of a point, to find pole of the line, to find equation of director circle, tangents, foci
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	Examples and exercise
22-Oct-21	Test
23-Oct-21	**Tracing of conics, examples and exercise**
24-Oct-21	**SUNDAY**
25-Oct-21	problems
26-Oct-21	**System of conics** conic through five points, intersection of two conics, find equation of conics through intersection of conics and two given straight lines
27-Oct-21	To Find equation of a conic having double contact with a conic, examples
28-Oct-21	exercise and problems
29-Oct-21	**Confocal conics** confocal parabola,confocal ellipse, confocal hyperbolas, confocal with ellipse confocal conics through a given point, coordinates in terms of the parameter of the confocal
30-Oct-21	some theorem on confocal conics
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	Examples and exercise

09-Nov-21	Assignment
10-Nov-21	**Polar equations of a conic** polar coordinates, distance formula, area of a triangle, equation of line in polar coordinates, colloary, polar equations of a circle
11-Nov-21	Polar equation of conics, polar equation of a conic with a focus as a pole Equation of directries, equation of chord, equation of tangent
12-Nov-21	Equation of normal, prove tangent at extrimities of any focal chord intersect on directrix, asymptotes director circle
13-Nov-21	Tracing of conics
14-Nov-21	**SUNDAY**
15-Nov-21	Problems
16-Nov-21	Examples and Exercise
17-Nov-21	Problems
18-Nov-21	**Sphere** equation of sphere, diameteric form of sphere
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Examples and Exercise
21-Nov-21	**SUNDAY**
22-Nov-21	problems
23-Nov-21	Four -point form, examples and exercise, equation of circle, exampls and exercise
24-Nov-21	Intersection of two sphere, examples and exercise, sphere and a line, exercise and examples, diameter plane, tangent plane
25-Nov-21	examples and exercise
26-Nov-21	Plane of contact, polar of a given plane, polar lines, equation of polar of a line
27-Nov-21	Examples and exercise
28-Nov-21	**SUNDAY**
29-Nov-21	Two or more sphere, exercise, length of tangent, examples and exercise
30-Nov-21	problems
1-Dec-21	class test

2-Dec-21	Paraboloids,number of normal, normal to an elliptic paraboloid
3-Dec-21	Exercise and examples
4-Dec-21	problems
5-Dec-21	**SUNDAY**
6-Dec-21	**Cone** Homogeneous equation, equation of cone, example discussion
7-Dec-21	Exercise and problems
8-Dec-21	Problems, Right circular cone, quadratic cone through axes,enveloping cone, examples
9-Dec-21	Exercise
10-Dec-21	Problems ,cone and a line, angel between two plan, examples
11-Dec-21	Exercise and problems
12-Dec-21	**SUNDAY**
13-Dec-21	**Cylinder** Quadratic cylinder, right circular cylinder, examples
14-Dec-21	Exercise
15-Dec-21	Enveloping cylinder, exercise and examples
16-Dec-21	Problems
17-Dec-21	Class test
18-Dec-21	**The Conicoid** Central conicoids, trace the hyperboloid of one sheet, two sheet, ellipsoid of revolution tangent plane
19-Dec-21	**SUNDAY**
20-Dec-21	exercise and examples
21-Dec-21	Director circle, normal, examples and exercise
22-Dec-21	Number of normal, cubic curve through the feet of normal, quadratic cone through six concurrent normal
23-Dec-21	examples and exercise
24-Dec-21	problems, polar plane of a point, reciprocal property, polar of a given plane lines,polar of a line with a conicoid

25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	examples and exercise
28-Dec-21	Enveloping cone, cylinder, examples and exercise
29-Dec-21	Plane section with a given center, examples and exercise
30-Dec-21	**Plane section of a conicoid** Length and direction ratios of the axes of a central section, area of central plane section,examples and exercise
31-Dec-21	Axes of noncentral plane section exercise and examples
1-Jan-22	Problems
2-Jan-22	**SUNDAY**
3-Jan-22	Circular section, examples and exercise
4-Jan-22	Plane section of paraboloids, circular section of paraboloids, exercise and examples
5-Jan-22	**Generating lines** generating lines of hyperboloid of one sheet, examples and exercise
6-Jan-22	Generating lines of a hyperbolic paraboloids, examples and exercise
7-Jan-22	problemd
8-Jan-22	class test
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Confocal conicoids** Three confocal through a point, confocal touching a given line, confocal cut at right angle elliptic coordinates
11-Jan-22	Examples and exercise
12-Jan-22	problems
13-Jan-22	Parameter of confocal through a point, locus of poles of planes, normal to three condocal, Equation to enveloping cone
14-Jan-22	Exercise and examples
15-Jan-22	problems
16-Jan-22	**SUNDAY**
17-Jan-22	**Reduction of second degree equation**

	Introduction of line and conicoid,diameter planes, principle planes, center of surface transformation,
18-Jan-22	examples and exercise
19-Jan-22	Problems, Conditions for roots of discriminant problems
20-Jan-22	Problems
21-Jan-22	**Revision of Unit 1**
22-Jan-22	**Class test**
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision of unit 2**
25-Jan-22	**Revistion of unit 2**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision of unit 3**
28-Jan-22	**Revision of unit 4**
29-Jan-22	**Test**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Ms Bharti

Class And Section: BBA (code-BBAN-102)

Subject: Business Mathematics

Mode Of Teaching:Offline

Lectures Per Week:

Date	Topic to be Covered
01-Oct-21	**Introduction of the syllabus**
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	**Set theory introduction, types of sets**
05-Oct-21	**operations on sets**
06-Oct-21	**venn diagram**
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	**Examples and exercise**
09-Oct-21	**Theorems on sets**
10-Oct-21	**SUNDAY**
11-Oct-21	**More theorems on sets**
12-Oct-21	**Solution of practical problems on set**
13-Oct-21	**Venn diagram practical problems**
14-Oct-21	**Examples and Exercise**
15-Oct-21	**Dussehra**
16-Oct-21	**More questions related to practical problems**
17-Oct-21	**SUNDAY**
18-Oct-21	**Cartesian product**
19-Oct-21	**Theorems on Cartesian product**
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	**Examples and Exercise**
22-Oct-21	**Indices Introduction**
23-Oct-21	**Laws of indices and related questions**
24-Oct-21	**SUNDAY**
25-Oct-21	**Examples and Exercise**
26-Oct-21	**Surds**
27-Oct-21	**Question related to surds,Exercise**
28-Oct-21	**Assignment**
29-Oct-21	**Logarithm Introduction**
30-Oct-21	**Class test**
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	**Common and natural logarithms and examples**
09-Nov-21	**Properties of logarithms**
10-Nov-21	**Examples and Exercise**
11-Nov-21	**Use of log table**
12-Nov-21	**Anti logarithms and examples**
13-Nov-21	**Arithmetical progression, nth terms of A.P**
14-Nov-21	**SUNDAY**
15-Nov-21	**Questions related to AP's nth term**
16-Nov-21	**Exercise and examples**
17-Nov-21	**Sum of first n terms of A. P and examples ,Exercise**
18-Nov-21	**Test**
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	**Arithmetic mean and related questions**
21-Nov-21	**SUNDAY**
22-Nov-21	**Introduction of geometrical progression**
23-Nov-21	**nth terms of GP and examples**
24-Nov-21	**Exercise**
25-Nov-21	**Sum of finite and infinite terms of GP**
26-Nov-21	**Exercise and examples**
27-Nov-21	**Class test**
28-Nov-21	**SUNDAY**
29-Nov-21	**Geometric means**
30-Nov-21	**Questions related to geometric means**
1-Dec-21	**Some special sequence**
2-Dec-21	**Factorial notation**
3-Dec-21	**Fundamental principles of counting of events**
4-Dec-21	**Examples and exercise**
5-Dec-21	**SUNDAY**
6-Dec-21	**Groups and arrangements**
7-Dec-21	**Permutation**
8-Dec-21	**Question related to permutation of r thingsout of n things**
9-Dec-21	**Permutations of objects not all different, permutations with repetition**
10-Dec-21	**Examples and exercise**
11-Dec-21	**Class test**
12-Dec-21	**SUNDAY**
13-Dec-21	**Combination and examples**
14-Dec-21	**Exercise**

15-Dec-21	**Binomial theorems on positive integers**
16-Dec-21	**Some examples on binomial expansion**
17-Dec-21	**Particular terms of binomial expansion**
18-Dec-21	**Examples and Exercise**
19-Dec-21	**SUNDAY**
20-Dec-21	**Binomial coefficients**
21-Dec-21	**Quadratic equations and its roots**
22-Dec-21	**Discriminant method to solve a quadratic equations**
23-Dec-21	**Nature of roots of quadratic equations**
24-Dec-21	**Relation between roots and coefficient of quadratic equations**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Examplesand Exercise**
28-Dec-21	**Practical problems based on quadratic equations**
29-Dec-21	**Matrix introduction and types of matrix**
30-Dec-21	**Operations on matrices, multiplication of matrices**
31-Dec-21	**Examples and Exercise**
1-Jan-22	**Determinant and computation of determinant**
2-Jan-22	**SUNDAY**
3-Jan-22	**Transpose of matrix and related questions**
4-Jan-22	**Minors and cofactors, properties of determinant**
5-Jan-22	**Solution of equations using determinant and examples**
6-Jan-22	**Adjoint of matrix, inverse of matrix using elementary operations**
7-Jan-22	**Differentiations and first principal**
8-Jan-22	**Differentiation of scalar product,addition,subtraction and multiplication of functions**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Differentiation of quotient of two function, chain rule, differentiation of exponential, logarithms and implicit functions**
11-Jan-22	**Examples**
12-Jan-22	**Parametricfunctionsandapplicationofdifferentiation,integrationformulae**
13-Jan-22	**Examples**
14-Jan-22	**Integrationbysubstitution,bypartsandexamples**
15-Jan-22	**Partialfractionanditsexamples**
16-Jan-22	**SUNDAY**
17-Jan-22	**Somestandardintegrals**
18-Jan-22	**Examplesandexercise**
19-Jan-22	**Doubts**
20-Jan-22	
21-Jan-22	**Revision of unit 1**
22-Jan-22	**Revision of unit 2**
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision of unit 3**

25-Jan-22	**Class test**
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Revision of unit 4**
28-Jan-22	**Revision**
29-Jan-22	**class test**

K.L. Mehta Dayanand College For Women, Faridabad
Lesson plan (July 2021-22)
Name Of The Associate/Assistant Professor : Sonia Bisht
Class And Section: M.Sc. Chemistry (1st Semester)
Subject: Inorganic Chemistry
Mode Of Teaching: Offline
Lectures Per Week: 8 theories & 16 practicals

Date	Topic to be Covered
23-Nov-21	Stereochemistry and Bonding in Main Group compounds: VSEPR theory
24-Nov-21	**Holiday**
25-Nov-21	Dpi – ppi bonds
26-Nov-21	Bent Rule
27-Nov-21	Energetics of hybridization
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	Metal -Ligand Equilibria in solution: Stepwise and Overall formation constants and their interactions
1-Dec-21	Trends in stepwise constants
2-Dec-21	Factors affecting stability of metal complex with reference to the nature of metal ion and ligand
3-Dec-21	
4-Dec-21	Chelate effect and it's thermodynamic origin
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	Determination of binary formation constants by pH-metry
8-Dec-21	By spectrophotometry
9-Dec-21	Test of unit- 1
10-Dec-21	Inert and labile complexes
11-Dec-21	Mechanism for ligand replacement reactions
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	Formation of complexes from aquo ions

15-Dec-21	Ligand displacement reaction in octahedral complexes- acid hydrolysis
16-Dec-21	Base hydrolysis
17-Dec-21	Continued
18-Dec-21	Racemization of tris chelate complexes
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	Electrophilic attack on ligands
22-Dec-21	Mechanism of ligand displacement reactions in square planar complexes
23-Dec-21	The trans effect, theories of trans effect
24-Dec-21	Mechanism of electron transfer reactions-types ;outer sphere electron transfer Mechanism
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	Inner sphere electron transfer mechanism
29-Dec-21	Test of unit- 2
30-Dec-21	Electron exchange reactions
31-Dec-21	Revision
1-Jan-22	Revision
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	Isopoly and Heteropoly acids and salts
5-Jan-22	Continued
6-Jan-22	Continued
7-Jan-22	Salts of Mo and W
8-Jan-22	Continued
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	Structures of isopoly and Heteropoly acids
12-Jan-22	Continued
13-Jan-22	Continued
14-Jan-22	Continued
15-Jan-22	Test of unit - 3
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	Revision
19-Jan-22	Structures of some binary and ternary compounds : fluorite
20-Jan-22	Continued
21-Jan-22	Structure of antifluorite
22-Jan-22	Rutile structure
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	Structure of antirutile and crystobalite

26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Revision
28-Jan-22	Assignment
29-Jan-22	Layer lattice - CdI2
30-Jan-22	**SUNDAY**
31-Jan-22	
1-Feb-22	Crystal structure of BiI3
2-Feb-22	Structure of ReO3
3-Feb-22	Structure of Mn2O3
4-Feb-22	Continued
5-Feb-22	**VASANT PANCHMI**
6-Feb-22	**SUNDAY**
7-Feb-22	
8-Feb-22	Layer lattices : Structure of corundum
9-Feb-22	Structure of perovskite
10-Feb-22	Continued
11-Feb-22	Structure of Ilminite
12-Feb-22	Structure of Calcite
13-Feb-22	**SUNDAY**
14-Feb-22	Revision
15-Feb-22	Revision
16-Feb-22	**GURU RAVIDAS JAYANTI**
17-Feb-22	
18-Feb-22	Test of unit- 4
19-Feb-22	Revision
20-Feb-22	**SUNDAY**
21-Feb-22	
22-Feb-22	Revision
23-Feb-22	Revision
24-Feb-22	Revision
25-Feb-22	Revision
26-Feb-22	**MAHARISHI DAYANAND SARASWATI JAYANTI**
27-Feb-22	**SUNDAY**
28-Feb-22	

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Sonia

Class And Section: 2nd year

Subject: Advanced calculus

Mode Of Teaching: offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	

23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**Chain rule of differentiablity & examples**
16-Nov-21	**Darboux's theorem & examples**
17-Nov-21	**Mean value theorem & examples**
18-Nov-21	**Rolle's theorem & examples**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Lagrange's mean value theorem & examples**
21-Nov-21	**SUNDAY**

22-Nov-21	**Geometrical interpretation of lagrange's theorem**
23-Nov-21	**Taylor's theorem & examples**
24-Nov-21	**"**
25-Nov-21	**Doubt Discussion**
26-Nov-21	**Test**
27-Nov-21	**Continuity & sequential continuous**
28-Nov-21	**SUNDAY**
29-Nov-21	**Absent**
30-Nov-21	**Properties of continuous function**
1-Dec-21	**Examples of continuity**
2-Dec-21	**Uniform continuity**
3-Dec-21	**Doubt Discussion**
4-Dec-21	**Diff. Of real valued function of two variables**
5-Dec-21	**SUNDAY**
6-Dec-21	**Youngs theorem & schwarz's theorem**
7-Dec-21	**Implicit function theorem**
8-Dec-21	**Doubt Discussion**
9-Dec-21	**Maxima,minima & saddle point**
10-Dec-21	**Lagrange's method of multipliers**
11-Dec-21	**Doubt Discussion**
12-Dec-21	**SUNDAY**
13-Dec-21	**Test**
14-Dec-21	**Curves: tangent & length of arc of curve**
15-Dec-21	**Equation of a tangent line**
16-Dec-21	**Function of class m & osculating plane**
17-Dec-21	**Analytic function**
18-Dec-21	**Normal plane & principal normals**
19-Dec-21	**SUNDAY**
20-Dec-21	**Normal line & binormal**

21-Dec-21	**Serrect frenet formula**
22-Dec-21	**Related Theorem**
23-Dec-21	**Doubt Discussion**
24-Dec-21	**Locus of center of curvature**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Spherical curvature**
28-Dec-21	**Locus of center of spherical curvature**
29-Dec-21	**Doubt Discussion**
30-Dec-21	**Involutes**
31-Dec-21	**Evolutes**
1-Jan-22	**Bertrand curve**
2-Jan-22	**SUNDAY**
3-Jan-22	**Doubt Discussion**
4-Jan-22	**Tangent plane**
5-Jan-22	**One parameter family of surface**
6-Jan-22	**Envelopes**
7-Jan-22	**Doubt Discussion**
8-Jan-22	**Test**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Revision unit-1(Ch-1,2,3)**
11-Jan-22	**"**
12-Jan-22	**"**
13-Jan-22	**Revision of unit-2(Ch-4,5)**
14-Jan-22	**"**
15-Jan-22	**"**
16-Jan-22	**SUNDAY**
17-Jan-22	**Test**
18-Jan-22	**Revision of unit-3(Ch-6,7)**
19-Jan-22	**"**

20-Jan-22	"
21-Jan-22	**Doubt Discussion**
22-Jan-22	**Revision of unit-4(Ch-8,9,10,11)**
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision**
25-Jan-22	"
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Doubt Discussion**
28-Jan-22	**Doubt Discussion**
29-Jan-22	**Doubt Discussion**

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Sonia

Class And Section: 3rd year(Sec-A)

Subject: Real Analysis

Mode Of Teaching: Offline

Lectures Per Week: 6

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	

23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	**Metric space & examples**
16-Nov-21	**Usual & discrete metric space**
17-Nov-21	**Induced & semi-metric space**
18-Nov-21	**Doubt Discussion**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**Open & closed ball**
21-Nov-21	**SUNDAY**

22-Nov-21	**Interior & neighborhood point**
23-Nov-21	**Open set**
24-Nov-21	**Theorems on open set**
25-Nov-21	**Limit point**
26-Nov-21	**Closed set**
27-Nov-21	**Closure & interior**
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	**Boundary & exterior point**
1-Dec-21	**Frontier & exterior point**
2-Dec-21	**Equivalent metric space**
3-Dec-21	**Doubt Discussion**
4-Dec-21	**Continuous functions**
5-Dec-21	**SUNDAY**
6-Dec-21	**Theory of cont. Function**
7-Dec-21	**Uniform continuity**
8-Dec-21	**Doubt Discussion**
9-Dec-21	**Compactness for metric space**
10-Dec-21	**Sequentially compact**
11-Dec-21	**BWP theorem**
12-Dec-21	**SUNDAY**
13-Dec-21	**Countably compact sets**
14-Dec-21	**FIP property**
15-Dec-21	**Continuity in relation with compactness**
16-Dec-21	**Doubt Discussion**
17-Dec-21	**Test**
18-Dec-21	**Connectedness & separated sets**
19-Dec-21	**SUNDAY**
20-Dec-21	**Components**

21-Dec-21	**Continuity in relation in connectedness**
22-Dec-21	**"**
23-Dec-21	**Doubt Discussion**
24-Dec-21	**Riemann integral**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	**Darboux's theorem**
28-Dec-21	**Condition of integrability**
29-Dec-21	**Condition of monotonic function**
30-Dec-21	**Properties of Riemann integral**
31-Dec-21	**"**
1-Jan-22	**Fundamental theorem**
2-Jan-22	**SUNDAY**
3-Jan-22	**Mean value theorem**
4-Jan-22	**Second mean value theorem**
5-Jan-22	**Doubt Discussion**
6-Jan-22	**"**
7-Jan-22	**Test**
8-Jan-22	**Cauchy sequence**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	**Completeness**
11-Jan-22	**Cantor's intersection theorem**
12-Jan-22	**Baire's category theorem**
13-Jan-22	**Contraction principle**
14-Jan-22	**Doubt Discussion**
15-Jan-22	**Test**
16-Jan-22	**SUNDAY**
17-Jan-22	**Revision of ch-2**
18-Jan-22	**"**

19-Jan-22	**Revision of ch-3**
20-Jan-22	"
21-Jan-22	**Revision of ch-4,5**
22-Jan-22	"
23-Jan-22	**SUNDAY**
24-Jan-22	**Revision of ch-1**
25-Jan-22	"
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**Test**
28-Jan-22	**Revision of ch-7,8**
29-Jan-22	"

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: komal sharma

Class And Section: B.Sc non medical 3rd semester 2nd year

Subject: optics

Mode Of Teaching: offline

Lectures Per Week:3

Date	Topic to be Covered
01-Oct-21	
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	
09-Oct-21	
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	
15-Oct-21	**Dussehra**
16-Oct-21	
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**
21-Oct-21	
22-Oct-21	
23-Oct-21	
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	
29-Oct-21	
30-Oct-21	
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	
12-Nov-21	
13-Nov-21	
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	
18-Nov-21	**fourier analysis of complex waves**
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	**determination of fourier coefficient**
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	**Triangular wave**
26-Nov-21	**rectangular wave**
27-Nov-21	**half wave recrifier**
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	**numericals**
3-Dec-21	**revision**
4-Dec-21	**fourier transform**
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	**properties of fourier transform**
10-Dec-21	**fourier integral**
11-Dec-21	**application of fourier transform**
12-Dec-21	**SUNDAY**

13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	**matrix method in paraxial optics**
17-Dec-21	**effect of translation**
18-Dec-21	**effect of refraction**
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	**derivation of thin lens formula**
24-Dec-21	**derivation of thick lens formula**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	**unit planes**
31-Dec-21	**nodal planes**
1-Jan-22	**system of thin lenses**
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	**chromatic aberrations**
7-Jan-22	**spherical coma**
8-Jan-22	**astigmatism**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	**physical optics**
14-Jan-22	**physical optics**
15-Jan-22	**physical optics**
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	**interference by division of wavefront**
21-Jan-22	**fresnel biprism**
22-Jan-22	**application of fresnel biprism**
23-Jan-22	**SUNDAY**

24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	**determining thickness of mica sheet**
28-Jan-22	**Lioyd's mirror**
29-Jan-22	**phase change on reflection**

K.L Mehta Dayanand College For Women, Faridabad
Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor: Ms. Leeshu Dhawan

Class And Section: B.Sc. Non-Medical 1st year 1st semester

Subject: ENGLISH

Mode Of Teaching: OFFLINE

Lectures Per Week:3days in a week

Date	Topic to be Covered
01-Oct-21	Introduction and Discussion of the Syllabus
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja Agarsen Jayanti**
08-Oct-21	Information Regarding Pattern of Marking Scheme
09-Oct-21	Introduction to the poet and poem- "Let Me Not to the Marriage of True Minds" by William Shakespeare with Stanza wise discussion of the poem
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	Question Answer Discussion with Reference to context of the poem "Let Me Not to the Marriage of True Minds" by William Shakespeare
15-Oct-21	**Dussehra**
16-Oct-21	Introduction to the poet and poem-"Death Be Not Proud" by John Donne with Stanza wise discussion of the poem
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi Valmiki Jayanti**

21-Oct-21	Question Answer Discussion with Reference to context of the poem-“Death Be Not Proud”
22-Oct-21	Introduction to the poet and poem-“On His Blindness” by John Milton with Stanza wise discussion of the poem
23-Oct-21	Question Answer Discussion with Reference to context of the poem-“On His Blindness”
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	Paragraph Writing
29-Oct-21	Introduction to the poet and poem- “The Retreat” by Henry Vaughan with Stanza wise discussion of the poem
30-Oct-21	Question Answer Discussion with Reference to context of the poem-“ The Retreat”
31-Oct-21	**SUNDAY**
01-Nov-21	**Diwali Break**
02-Nov-21	
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	Paragraph Writing
12-Nov-21	Grammar-Rules on Common Errors
13-Nov-21	Grammar-Exercise on Common Errors
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	

17-Nov-21	
18-Nov-21	Introduction to the poet and poem- “Shadwell” by John Dryden with Stanza wise discussion of the poem
19-Nov-21	**Guru Nanak Dev Jayanti**
20-Nov-21	Question Answer Discussion with Reference to context of the poem- “Shadwell”
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	Translation from Hindi to English
26-Nov-21	Introduction to the poet and poem- “Know Then Thyself” by Alexander Pope with Stanza wise discussion of the poem
27-Nov-21	Question Answer Discussion with Reference to context of the poem “Know Then Thyself”
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	Translation from Hindi to English
3-Dec-21	Introduction to the poet and poem- “The Little Black Boy” with Stanza wise discussion of the poem
4-Dec-21	Question Answer Discussion with Reference to context of the poem-“ The Little Black Boy”
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	Introduction to the poet and poem- “Three Years She Grew in Sun and Shower” by William Wordsworth with Stanza wise discussion of the poem
10-Dec-21	Question Answer Discussion with Reference to context of the poem-“ Three Years She Grew in Sun and Shower”
11-Dec-21	Exercise on Preposition

12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	
15-Dec-21	
16-Dec-21	Introduction to the poet and poem- "England in 1819" by Percy Bysshe Shelly with Stanza wise discussion of the poem
17-Dec-21	Question Answer Discussion with Reference to context of the poem-" England in 1819"
18-Dec-21	Grammar- Phrasal Verbs
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	Introduction to the poet and poem- "Crossing the Bar" by Alfred Lord Tennyson
24-Dec-21	Stanza wise discussion of the poem- "Crossing the Bar" by Alfred Lord Tennyson
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	Question Answer Discussion with Reference to context of the poem-" Crossing the Bar"
31-Dec-21	Question Answer Discussion with Reference to context of the poem-" Crossing the Bar"
1-Jan-22	Recapitulation of poems 1 to 4
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	Recapitulation of poems 5 to 7
7-Jan-22	Recapitulation of poems 8 to 10

8-Jan-22	Revision of Paragraph Writing
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	Revision of Translation from Hindi to English
14-Jan-22	Revision of Phrasal verbs
15-Jan-22	Revision of Prepositions
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	Revision of Common Errors
21-Jan-22	Clarification of Doubts
22-Jan-22	Clarification of Doubts
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**
27-Jan-22	Doubt Session
28-Jan-22	Doubt Session
29-Jan-22	Revision

K.L Mehta Dayanand College For Women, Faridabad

Lesson plan (Oct 2021-2022)

Name Of The Associate/Assistant Professor:Dr.BrijBharti

Class And Section: B.Sc. 2nd year

Subject: zoology

Mode Of Teaching: offline

Lectures Per Week:30

Date	Topic to be Covered
01-Oct-21	Introduction about biochemistry and physiology
02-Oct-21	**GANDHI JAYANTI**
03-Oct-21	**SUNDAY**
04-Oct-21	
05-Oct-21	
06-Oct-21	
07-Oct-21	**Maharaja AgarsenJayanti**
08-Oct-21	**Introduction & classification of carbohydrates**
09-Oct-21	**Structure of carbohydrates**
10-Oct-21	**SUNDAY**
11-Oct-21	
12-Oct-21	
13-Oct-21	
14-Oct-21	**Function & general properties of carbohydrates**
15-Oct-21	**Dussehra**
16-Oct-21	**Importance of carbohydrates**
17-Oct-21	**SUNDAY**
18-Oct-21	
19-Oct-21	
20-Oct-21	**Maharishi ValmikiJayanti**
21-Oct-21	**Introduction and structure of lipids**
22-Oct-21	**Classification and general properties of lipids**
23-Oct-21	**Function and importance of lipid**
24-Oct-21	**SUNDAY**
25-Oct-21	
26-Oct-21	
27-Oct-21	
28-Oct-21	**Introduction and classification of proteins**
29-Oct-21	**Structure and properties of proteins**
30-Oct-21	**Function and importance of proteins**
31-Oct-21	**SUNDAY**
01-Nov-21	

02-Nov-21	**Diwali Break**
03-Nov-21	
04-Nov-21	
05-Nov-21	
06-Nov-21	
07-Nov-21	
08-Nov-21	
09-Nov-21	
10-Nov-21	
11-Nov-21	**Recapitulation of biomolecules**
12-Nov-21	**Introduction of enzymes**
13-Nov-21	**Function and properties of enzymes**
14-Nov-21	**SUNDAY**
15-Nov-21	
16-Nov-21	
17-Nov-21	**Structure of enzymes**
18-Nov-21	**Mechanism of action of enzymes**
19-Nov-21	**Guru Nanak DevJayanti**
20-Nov-21	**Regulation of enzyme activity**
21-Nov-21	**SUNDAY**
22-Nov-21	
23-Nov-21	
24-Nov-21	
25-Nov-21	**Revision test**
26-Nov-21	**Introduction of biological membranes**
27-Nov-21	**Transport through bio membranes**
28-Nov-21	**SUNDAY**
29-Nov-21	
30-Nov-21	
1-Dec-21	
2-Dec-21	**Continuation of transport through bio membranes**
3-Dec-21	**Continue……**
4-Dec-21	**Introduction of acid base and buffers**
5-Dec-21	**SUNDAY**
6-Dec-21	
7-Dec-21	
8-Dec-21	
9-Dec-21	**Buffer systems of body fluid**
10-Dec-21	**Introduction and types of digestion**
11-Dec-21	**Types of nutrition and feeding**
12-Dec-21	**SUNDAY**
13-Dec-21	
14-Dec-21	

15-Dec-21	
16-Dec-21	**Digestion of dietary constituents……**
17-Dec-21	**Continue….**
18-Dec-21	**Absorption of nutrient and assimilation**
19-Dec-21	**SUNDAY**
20-Dec-21	
21-Dec-21	
22-Dec-21	
23-Dec-21	**Regulation of digestion**
24-Dec-21	**Continue regulation of digestion….**
25-Dec-21	**CHRISTMAS DAY**
26-Dec-21	**SUNDAY**
27-Dec-21	
28-Dec-21	
29-Dec-21	
30-Dec-21	**Introduction of Muscles**
31-Dec-21	**Ultra structure of muscles**
1-Jan-22	**Biochemical & physical events during muscle contraction**
2-Jan-22	**SUNDAY**
3-Jan-22	
4-Jan-22	
5-Jan-22	
6-Jan-22	**Muscle contraction continues…..**
7-Jan-22	**Continuation of muscles….**
8-Jan-22	**Continuation of muscles……**
9-Jan-22	**GURU GOBIND SINGH JAYANTI (SUNDAY)**
10-Jan-22	
11-Jan-22	
12-Jan-22	
13-Jan-22	**Introduction of bones**
14-Jan-22	**Structure and types of bones**
15-Jan-22	**Classification of bones**
16-Jan-22	**SUNDAY**
17-Jan-22	
18-Jan-22	
19-Jan-22	
20-Jan-22	**Bone growth and reabsorption**
21-Jan-22	**Effect of aging on skeletal system**
22-Jan-22	**Revision test**
23-Jan-22	**SUNDAY**
24-Jan-22	
25-Jan-22	
26-Jan-22	**REPUBLIC DAY**

27-Jan-22	**Bone disorders**
28-Jan-22	**Recapitulation of bones**
29-Jan-22	**Revision test**