

**Name of the Assistant/Associate Professor: Dr. Meenu Dua**  
**Class And Section: B.Sc (Non-Med) 6<sup>th</sup>Sem, Section - A**  
**Subject: Physical Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Introduction and theory of Electronic Spectrum
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	Concept of potential energy curves for antibonding or bonding molecular orbital
31.3.2022	qualitative description of selection rules and Frank -Condon principle
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	qualitative description of sigma or pi and n molecular orbital(MO) their energy level and respective transitions.
7.4.2022	<b>Photochemistry:</b> Interaction of radiation with matter ,difference between thermal and photochemical process, laws of photochemistry:
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	Grotthus- Drapper law , Stark Einstein law, Quantum yield, photosensitizers and inhibitors.
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	Test of Electronic spectrum
21.4.2022	Jablonski diagram (Qualitative description of fluorescence ,phosphorescence ,non radiative process)
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	<b>Solutions:</b> Ideal and non- ideal solution, Methods of expressing concentration of solution ,activity and activity coefficient
28.4.2022	Colligative properties ,Raolut's law , Relative lowering of vapour pressure, Molecular weight determination
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Osmosis, laws of osmotic pressure and its measurement ,determination of molecular weight from osmotic pressure
05.5.2022	Test of photochemistry and assignment
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	Elevation in boiling point and its experimental determination and calculation of molecular weight.
12.5.2022	Depression in freezing point and its experimental determination and calculation of molecular weight.

13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	Abnormal molar mass ,van't hoff factor and its applications
19.5.2022	TEST: Colligative properties and assignment
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	<b>Phase Equilibrium</b> : statement and meaning of the terms –phase, component, degree of freedom
26.5.2022	thermodynamic derivation of Gibbs phase rule
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	Phase equilibria of one component system: Water system
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	Phase equilibria of one component system:sulphur system
9.6.2022	Phase equilibria of two component system solid-liquid equilibria
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	

14.6.2022	
15.6.2022	Simple eutectic, Lead-silver system, Desilverisation of lead
16.6.2022	Doubt class
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	TEST: Phase equilibrium and assignment
23.6.2022	Revision
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	Revision
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Dr. Meenu Dua**  
**Class And Section: B.Sc (Non-Med) 6<sup>th</sup>Sem, Section - B**  
**Subject: Physical Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

Date	Topic To Be Covered
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	Introduction and theory of Electronic Spectrum
26.3.2022	Concept of potential energy curves for antibonding or bonding molecular orbital
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	qualitative description of selection rules and Frank -Condon principle
2.4.2022	qualitative description of sigma or pi and n molecular orbital(MO) their energy level and respective transitions.
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	<b>Photochemistry:</b> Interaction of radiation with matter ,difference between thermal and photochemical process, laws of photochemistry:
9.4.2022	Grotthus- Drapper law , Stark Einstein law, Quantum yield, photosensitizers and inhibitors.
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Test of Electronic spectrum
16.4.2022	Jablonski diagram (Qualitative description of fluorescence ,phosphorescence ,non radiative process)
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	<b>Solutions:</b> Ideal and non- ideal solution, Methods of expressing concentration of solution ,activity and activity coefficient
23.4.2022	Colligative properties ,Raolut's law , Relative lowering of vapour pressure, Molecular weight determination
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	Elevation in boiling point and its experimental determination and calculation of molecular weight.
30.4.2022	Depression in freezing point and its experimental determination and calculation of molecular weight.
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Abnormal molar mass ,van't hoff factor and its applications
07.5.2022	TEST: Colligative properties and assignment
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	

13.5.2022	<b>Phase Equilibrium</b> : statement and meaning of the terms –phase, component, degree of freedom
14.5.2022	thermodynamic derivation of Gibbs phase rule
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Phase equilibria of one component system: Water system
21.5.2022	Phase equilibria of one component system:sulphur system
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Phase equilibria of two component system solid-liquid equilibria
28.5.2022	Simple eutectic, Lead-silver system, Desilverisation of lead
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	TEST: Phase equilibrium and assignment
4.6.2022	Doubt class
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	Revision
11.6.2022	Revision
12.6.2022	SUNDAY
13.6.2022	

14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	Revision
18.6.2022	Revision
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Revision
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	



**Name of the Assistant/Associate Professor: Dr. Meenu Dua**  
**Class And Section: B.Sc (Med) 6<sup>th</sup>Sem, Section - A**  
**Subject: Physical Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction and theory of Electronic Spectrum
22.3.2022	Concept of potential energy curves for antibonding or bonding molecular orbital
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27.3.2022	SUNDAY
28.3.2022	qualitative description of selection rules and Frank -Condon principle
29.3.2022	qualitative description of sigma or pi and n molecular orbital(MO) their energy level and respective transitions.
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	<b>Photochemistry:</b> Interaction of radiation with matter ,difference between thermal and photochemical process, laws of photochemistry:
5.4.2022	Grotthus- Drapper law , Stark Einstein law, Quantum yield, photosensitizers and inhibitors.
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	Test of Electronic spectrum
12.4.2022	Jablonski diagram (Qualitative description of fluorescence ,phosphorescence ,non radiative process)
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	<b>Solutions:</b> Ideal and non- ideal solution, Methods of expressing concentration of solution ,activity and activity coefficient
19.4.2022	Colligative properties ,Raolut's law , Relative lowering of vapour pressure, Molecular weight determination
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Osmosis, laws of osmotic pressure and its measurement ,determination of molecular weight from osmotic pressure
26.4.2022	Test of photochemistry and assignment
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Elevation in boiling point and its experimental determination and calculation of molecular weight.
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Depression in freezing point and its experimental determination and calculation of molecular weight.
10.5.2022	Abnormal molar mass ,van't hoff factor and its applications
11.5.2022	
12.5.2022	
13.5.2022	

14.5.2022	
15.5.2022	SUNDAY
16.5.2022	TEST: Colligative properties and assignment
17.5.2022	<b>Phase Equilibrium</b> : statement and meaning of the terms –phase, component, degree of freedom
18.5.2022	
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	thermodynamic derivation of Gibbs phase rule
24.5.2022	Phase equilibria of one component system: Water system
25.5.2022	
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Phase equilibria of one component system:sulphur system
31.5.2022	Phase equilibria of two component system solid-liquid equilibria
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Simple eutectic, Lead-silver system, Desilverisation of lead
7.6.2022	Doubt class
8.6.2022	
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	TEST: Phase equilibrium and assignment
14.6.2022	Revision

15.6.2022	
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Revision
21.6.2022	Revision
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Revision
28.6.2022	Revision
29.6.2022	
30.6.2022	

**Name of the Assistant/Associate Professor: Dr. Sheel Singh**  
**Class And Section: B. Sc Medical 6th Sem**  
**Subject: Biochemistry and Biotechnology**  
**Mode Of Teaching: Online**  
**Lectures Per Week: 6 theory**  
**(section A and section B)**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction to biochemistry and Biotechnology
22..3.2022	Basics of Enzymology, Definition and general aspects
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Discovery, Nomenclature and characters of enzyme
29.3.2022	Mechanism of Enzymes, Types, Regulation of its activity of enzymes
30.3.2022	Test and Revision of Enzymes
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	Introduction to Respiration, RQ values
5.4.2022	Test and Revision of Enzymes
6.4.2022	Mechanism of aerobic and anaerobic respiration
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	EMP, pathway, Kerb cycle
12.4.2022	ETC, chemo osmotic theory
13.4.2022	Oxidative phosphorylation
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Pentose Phosphate Pathway ,its significance
19.4.2022	Factors affecting rate of respiration
20.4.2022	ATP(Energy coupling factors)
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Structure and Functions of ATP
26.4.2022	Redox potential and ETC(EMP) Pathway
27.4.2022	Doubts and Seminar on Unit-11
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Test of topics covered and revision of respiration
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Structure and Functions of Lipids
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Structure of Fats,Glycerol & Fatty acids
10.5.2022	Fatty acids Biosynthesis
11.5.2022	L & B Oxidation, saturated and Unsaturated Fatty acids
12.5.2022	

13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	Storage and metabolism of fatty acids
17.5.2022	Importance of Fat metabolism
18.5.2022	Nitrogen, its metabolism, Basic idea
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Biology of Nitrogen metabolism
24.5.2022	Importance of nitrate reductase and Nitrogen cycle
25.5.2022	Regulation of Nitrogen Metabolic pathway, Ammonium assimilation
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Test of lipid and Nitrogen Metabolism/ Assignment on the topics taught
31.5.2022	DNA:-its structure, Function and importance
01.6.2022	Introduction to tools and techniques of DNA
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Techniques of recombinant DNA technology
7.6.2022	Cloning vectors, Genomics &cDNA library
8.6.2022	Transposable elements
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Plant tissue Culture,its application

14.6.2022	Differentiation, Morphogenesis and Biology of Agrobacterium,
15.6.2022	Vectors
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Marker genes
21.6.2022	Test and Revision of the topics covered
22.6.2022	Revision /assignment on the topics taught
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Test unit 1 and 2
28.6.2022	Doubts of unit 3 and 4
29.6.2022	Test of unit 3 and 4
30.6.2022	



Name of the Associate/ Assistant Professor : Dr. Beena Sethi  
 Class and Section : B.Sc Non Medical 6th Sem Setion - A  
 Subject : Inorganic Chemistry  
 Mode of Teaching : Offline  
 Lecture per week : 2

DATE	TOPIC TO BE COVERED
21.03.2022	
22.03.2022	
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	
25.03.2022	Introduction
26.03.2022	Organometallic Compounds
27.03.2022	<b>SUNDAY</b>
28.03.2022	
29.03.2022	
30.03.2022	
31.03.2022	
01.04.2022	Effective Atomic Number
02.04.2022	Effective Atomic Number
03.04.2022	<b>SUNDAY</b>
04.04.2022	
05.04.2022	
06.04.2022	
07.04.2022	
08.04.2022	Bonding in OMC
09.04.2022	Organolithum Compounds
10.04.2022	<b>SUNDAY</b>
11.04.2022	
12.04.2022	
13.04.2022	
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	Organomercury Compounds

16.04.2022	Organotin Compounds
17.04.2022	<b>SUNDAY</b>
18.04.2022	
19.04.2022	
20.04.2022	
21.04.2022	
22.04.2022	OrganoCadmium Compounds
23.04.2022	Carbonyls
24.04.2022	<b>SUNDAY</b>
25.04.2022	
26.04.2022	
27.04.2022	
28.04.2022	
29.04.2022	HSAB
30.04.2022	HSAB
01.05.2022	<b>SUNDAY</b>
02.05.2022	
03.05.2022	<b>ID UL FITR</b>
04.05.2022	
05.05.2022	
06.05.2022	HSAB
07.05.2022	HSAB
08.05.2022	<b>SUNDAY</b>
09.05.2022	
10.05.2022	
11.05.2022	
12.05.2022	
13.05.2022	Silicones and Phosphazenes
14.05.2022	Silicones and Phosphazenes

15.05.2022	<b>SUNDAY</b>
16.05.2022	
17.05.2022	
18.05.2022	
19.05.2022	
20.05.2022	Silicones and Phosphazenes
21.05.2022	Silicones and Phosphazenes
22.05.2022	<b>SUNDAY</b>
23.05.2022	
24.05.2022	
25.05.2022	
26.05.2022	
27.05.2022	Bio-Chemistry
28.05.2022	Bio-Chemistry – Nitrogen fixation
29.05.2022	<b>SUNDAY</b>
30.05.2022	
31.05.2022	
01.06.2022	
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	Haemoglobin, Myoglobin
04.06.2022	Biological role of Ions
05.06.2022	<b>SUNDAY</b>
06.06.2022	
08.06.2022	
09.06.2022	
10.06.2022	Cooperativity
11.06.2022	Symbiosis
12.06.2022	<b>SUNDAY</b>
13.06.2022	
14.06.2022	
15..63.2022	

16.06.2022	
17.06.2022	Revision of HSAB and Organometallic
18.06.2022	Revision of Silicocones and Phosphzenes and Bio-Chemistry
19.06.2022	<b>SUNDAY</b>
20.06.2022	
21.06.2022	
22.06.2022	
23.06.2022	
24.06.2022	Test
25.06.2022	Revision
26.06.2022	<b>SUNDAY</b>
27.06.2022	
28.06.2022	
29.06.2022	
30.06.2022	

<b>Name of the Associate/ Assistant Professor : Dr. Beena Sethi</b> <b>Class and Section : B.Sc Non-Medical 6th Sem Setion - B</b> <b>Subject : Inorganic Chemistry</b> <b>Mode of Teaching : Offline</b> <b>Lecture per week : 2</b>	
<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
21.03.2022	
22.03.2022	
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	Introduction
25.03.2022	
26.03.2022	
27.03.2022	<b>SUNDAY</b>
28.03.2022	
29.03.2022	

30.03.2022	Organometallic Compounds
31.03.2022	Effective Atomic Number
01.04.2022	
02.04.2022	
03.04.2022	<b>SUNDAY</b>
04.04.2022	
05.04.2022	
06.04.2022	Effective Atomic Number
07.04.2022	Bonding in OMC
08.04.2022	
09.04.2022	
10.04.2022	<b>SUNDAY</b>
11.04.2022	
12.04.2022	
13.04.2022	Organolithium Compounds
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	
16.04.2022	
17.04.2022	<b>SUNDAY</b>
18.04.2022	
19.04.2022	
20.04.2022	Organomercury Compounds
21.04.2022	Organotin Compounds
22.04.2022	
23.04.2022	
24.04.2022	<b>SUNDAY</b>
25.04.2022	
26.04.2022	
27.04.2022	OrganoCadmium Compounds

28.04.2022	Carbonyls
29.04.2022	
30.04.2022	
01.05.2022	<b>SUNDAY</b>
02.05.2022	
03.05.2022	<b>ID UL FITR</b>
04.05.2022	HSAB
05.05.2022	HSAB
06.05.2022	
07.05.2022	
08.05.2022	<b>SUNDAY</b>
09.05.2022	
10.05.2022	
11.05.2022	HSAB
12.05.2022	HSAB
13.05.2022	
14.05.2022	
15.05.2022	<b>SUNDAY</b>
16.05.2022	
17.05.2022	
18.05.2022	Silicones and Phosphazenes
19.05.2022	Silicones and Phosphazenes
20.05.2022	
21.05.2022	
22.05.2022	<b>SUNDAY</b>
23.05.2022	
24.05.2022	
25.05.2022	Silicones and Phosphazenes
26.05.2022	Silicones and Phosphazenes
27.05.2022	
28.05.2022	

29.05.2022	<b>SUNDAY</b>
30.05.2022	
31.05.2022	
01.06.2022	Bio-Chemistry
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	
04.06.2022	
05.06.2022	<b>SUNDAY</b>
06.06.2022	
08.06.2022	
09.06.2022	Bio-Chemistry – Nitrogen fixation
10.06.2022	Haemoglobin, Myoglobin
11.06.2022	
12.06.2022	<b>SUNDAY</b>
13.06.2022	
14.06.2022	
15.06.2022	Biological role of Ions
16.06.2022	Cooperativity
17.06.2022	
18.06.2022	
19.06.2022	<b>SUNDAY</b>
20.06.2022	
21.06.2022	
22.06.2022	Symbiosis
23.06.2022	Revision of HSAB and Organometallic
24.06.2022	
25.06.2022	
26.06.2022	<b>SUNDAY</b>
27.06.2022	

28.06.2022	
29.06.2022	Revision of Silicocones and Phosphzenes and Bio-Chemistry
30.06.2022	<b>Test</b>

Name of the Associate/ Assistant Professor : Dr. Beena Sethi  
 Class and Section : B.Sc Medical 6th Sem Setion - A  
 Subject : Inorganic Chemistry  
 Mode of Teaching : Offline  
 Lecture per week : 2

DATE	TOPIC TO BE COVERED
21.03.2022	
22.03.2022	
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	
25.03.2022	Introduction
26.03.2022	Organometallic Compounds
27.03.2022	<b>SUNDAY</b>
28.03.2022	
29.03.2022	
30.03.2022	
31.03.2022	
01.04.2022	Effective Atomic Number
02.04.2022	Effective Atomic Number
03.04.2022	<b>SUNDAY</b>
04.04.2022	
05.04.2022	
06.04.2022	
07.04.2022	
08.04.2022	Bonding in OMC
09.04.2022	Organolithum Compounds
10.04.2022	<b>SUNDAY</b>



11.04.2022	
12.04.2022	
13.04.2022	
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	Organomercury Compounds
16.04.2022	Organotin Compounds
17.04.2022	<b>SUNDAY</b>
18.04.2022	
19.04.2022	
20.04.2022	
21.04.2022	
22.04.2022	Organocadmium Compounds
23.04.2022	Carbonyls
24.04.2022	<b>SUNDAY</b>
25.04.2022	
26.04.2022	
27.04.2022	
28.04.2022	
29.04.2022	HSAB
30.04.2022	HSAB
01.05.2022	<b>SUNDAY</b>
02.05.2022	
03.05.2022	<b>ID UL FITR</b>
04.05.2022	
05.05.2022	
06.05.2022	HSAB
07.05.2022	HSAB
08.05.2022	<b>SUNDAY</b>
09.05.2022	

10.05.2022	
11.05.2022	
12.05.2022	
13.05.2022	Silicones and Phosphazenes
14.05.2022	Silicones and Phosphazenes
15.05.2022	<b>SUNDAY</b>
16.05.2022	
17.05.2022	
18.05.2022	
19.05.2022	
20.05.2022	Silicones and Phosphazenes
21.05.2022	Silicones and Phosphazenes
22.05.2022	<b>SUNDAY</b>
23.05.2022	
24.05.2022	
25.05.2022	
26.05.2022	
27.05.2022	Bio-Chemistry
28.05.2022	Bio-Chemistry – Nitrogen fixation
29.05.2022	<b>SUNDAY</b>
30.05.2022	
31.05.2022	
01.06.2022	
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	Haemoglobin, Myoglobin
04.06.2022	Biological role of Ions
05.06.2022	<b>SUNDAY</b>
06.06.2022	
08.06.2022	
09.06.2022	
10.06.2022	Cooperativity

11.06.2022	Symbiosis
12.06.2022	<b>SUNDAY</b>
13.06.2022	
14.06.2022	
15..63.2022	
16.06.2022	
17.06.2022	Revision of HSAB and Organometallic
18.06.2022	Revision of Silicocones and Phosphzenes and Bio-Chemistry
19.06.2022	<b>SUNDAY</b>
20.06.2022	
21.06.2022	
22.06.2022	
23.06.2022	
24.06.2022	<b>Test</b>
25.06.2022	<b>Revision</b>
26.06.2022	<b>SUNDAY</b>
27.06.2022	
28.06.2022	
29.06.2022	
30.06.2022	

<b>Name of the Associate/ Assistant Professor : Dr. Beena Sethi</b> <b>Class and Section : B.Sc Medical 6th Sem Setion - B</b> <b>Subject : Inorganic Chemistry</b> <b>Mode of Teaching : Offline</b> <b>Lecture per week : 2</b>	
<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
21.03.2022	Introduction
22.03.2022	Organometallic Compounds
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	

25.03.2022	
26.03.2022	
27.03.2022	<b>SUNDAY</b>
28.03.2022	Effective Atomic Number
29.03.2022	Effective Atomic Number
30.03.2022	
31.03.2022	
01.04.2022	
02.04.2022	
03.04.2022	<b>SUNDAY</b>
04.04.2022	Bonding in OMC
05.04.2022	Bonding in OMC
06.04.2022	
07.04.2022	
08.04.2022	
09.04.2022	
10.04.2022	<b>SUNDAY</b>
11.04.2022	Organolithium Compounds
12.04.2022	Organomercury Compounds
13.04.2022	
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	
16.04.2022	
17.04.2022	<b>SUNDAY</b>
18.04.2022	Organotin Compounds
19.04.2022	Organomercury Compounds
20.04.2022	
21.04.2022	
22.04.2022	

23.04.2022	
24.04.2022	<b>SUNDAY</b>
25.04.2022	OrganoCadmium Compounds
26.04.2022	Carbonyls
27.04.2022	
28.04.2022	
29.04.2022	
30.04.2022	
01.05.2022	<b>SUNDAY</b>
02.05.2022	HSAB
03.05.2022	<b>ID UL FITR</b>
04.05.2022	
05.05.2022	
06.05.2022	
07.05.2022	
08.05.2022	<b>SUNDAY</b>
09.05.2022	HSAB
10.05.2022	HSAB
11.05.2022	
12.05.2022	
13.05.2022	
14.05.2022	
15.05.2022	<b>SUNDAY</b>
16.05.2022	Silicones and Phosphazenes
17.05.2022	Silicones and Phosphazenes
18.05.2022	
19.05.2022	
20.05.2022	
21.05.2022	
22.05.2022	<b>SUNDAY</b>

23.05.2022	Silicones and Phosphazenes
24.05.2022	Silicones and Phosphazenes
25.05.2022	
26.05.2022	
27.05.2022	
28.05.2022	
29.05.2022	<b>SUNDAY</b>
30.05.2022	Bio-Chemistry
31.05.2022	Bio-Chemistry – Nitrogen fixation
01.06.2022	
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	
04.06.2022	
05.06.2022	<b>SUNDAY</b>
06.06.2022	Haemoglobin, Myoglobin
08.06.2022	Biological role of Ions
09.06.2022	
10.06.2022	
11.06.2022	
12.06.2022	<b>SUNDAY</b>
13.06.2022	Cooperativity
14.06.2022	Symbiosis
15.06.2022	
16.06.2022	
17.06.2022	
18.06.2022	
19.06.2022	<b>SUNDAY</b>
20.06.2022	Revision of HSAB and Organometallic
21.06.2022	Revision of Silicones and Phosphazenes and Bio-Chemistry
22.06.2022	

<b>23.06.2022</b>	
<b>24.06.2022</b>	
<b>25.06.2022</b>	
<b>26.06.2022</b>	<b>SUNDAY</b>
<b>27.06.2022</b>	<b>Test</b>
<b>28.06.2022</b>	<b>Revision</b>
<b>29.06.2022</b>	
<b>30.06.2022</b>	

<b>Name of the Assistant/Associate Professor: Dr. Shveta Arya</b> <b>Class And Section: B.Sc.(Medical) 6 th sem, Sec- A&amp;B</b> <b>Subject: Zoology</b> <b>Paper: Developmental Biology (6.2)</b> <b>Mode Of Teaching: Offline</b> <b>Lectures Per Week: 6</b>	
<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	-
22.3.2022	-
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Discussion regarding books and introduction to syllabus
25.3.2022	Historical perspectives of developmental biology
26.3.2022	Aim and scope of developmental biology
27.3.2022	SUNDAY
28.3.2022	-
29.3.2022	-
30.3.2022	-
31.3.2022	Spermatogenesis : Site & stages of spermatogenesis
1.4.2022	Stages of spermatogenesis& Generalized structure of mammalian sperm
2.4.2022	Stages of Oogenesis
3.4.2022	SUNDAY
4.4.2022	-
5.4.2022	-
6.4.2022	-
7.4.2022	Vitellogenesis & Generalized structure of mammalian ovum
8.4.2022	Hormonal Control of Spermatogenesis & Oogenesis
9.4.2022	Test of Historical perspectives, aims and scope of developmental biology
10.4.2022	SUNDAY
11.4.2022	-
12.4.2022	-
13.4.2022	-
14.4.2022	DR B.R AMBEDKAR JAYANTI



15.4.2022	
16.4.2022	Process of Fertilization
17.4.2022	<b>SUNDAY</b>
18.4.2022	-
19.4.2022	-
20.4.2022	-
21.4.2022	Parthenogenesis :Types & Significance
22.4.2022	Different types of eggs on the basis of amount & distribution of yolk
23.4.2022	Patterns of cleavage in invertebrates and vertebrates
24.4.2022	<b>SUNDAY</b>
25.4.2022	-
26.4.2022	-
27.4.2022	-
28.4.2022	Assignment on Parthenogenesis
29.4.2022	Process of blastulation in invertebrates
30.4.2022	Process of blastulation in vertebrates
01.5.2022	<b>SUNDAY</b>
02.5.2022	-
03.5.2022	<b>ID UL FITR</b>
04.5.2022	-
05.5.2022	Fate-map construction in frog
06.5.2022	Fate-map construction in chick
07.5.2022	Test of Fertilization and different types of eggs
08.5.2022	<b>SUNDAY</b>
09.5.2022	-
10.5.2022	-
11.5.2022	-
12.5.2022	Gastrulation in invertebrates
13.5.2022	Assignment on spermatogenesis

14.5.2022	Gastrulation in vertebrates
15.5.2022	SUNDAY
16.5.2022	-
17.5.2022	-
18.5.2022	-
19.5.2022	Gastrulation & formation of three germinal layers in frog
20.5.2022	Continued the same topic
21.5.2022	Gastrulation & formation of three germinal layers in chick
22.5.2022	SUNDAY
23.5.2022	-
24.5.2022	-
25.5.2022	-
26.5.2022	Continued the same topic
27.5.2022	Extra embryonic membranes: structure & significance in birds
28.5.2022	Extra embryonic membranes: structure & significance in mammals
29.5.2022	SUNDAY
30.5.2022	-
31.5.2022	-
01.6.2022	-
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Elementary knowledge of primary organizers
4.6.2022	Continued the same topic
5.6.2022	SUNDAY
6.6.2022	-
7.6.2022	-
8.6.2022	-
9.6.2022	Concepts of competence, determination and differentiation
10.6.2022	Continued the same topic
11.6.2022	Continued the same topic
12.6.2022	SUNDAY
13.6.2022	-
14.6.2022	-

15.6.2022	-
16.6.2022	Concept of regeneration
17.6.2022	Continued the same topic
18.6.2022	Revision
19.6.2022	SUNDAY
20.6.2022	-
21.6.2022	-
22.6.2022	-
23.6.2022	Revision
24.6.2022	Revision
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	-
28.6.2022	-
29.6.2022	-
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms. Vandana Kumari**  
**Class And Section: B.Sc. (Non-Medical) 6<sup>th</sup> Semester, Section A and B**  
**Subject: Dynamics**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Syllabus and examination scheme discussed
22..3.2022	Preliminary
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Preliminary
25.3.2022	SHM articles
26.3.2022	SHM examples
27..3.2022	<b>SUNDAY</b>
28.3.2022	SHM exercise
29.3.2022	SHM exercise
30.3.2022	SHM exercise
31.3.2022	Doubts of SHM
1.4.2022	Articles of Elastic String
2.4.2022	Articles of Elastic String
3.4.2022	<b>SUNDAY</b>
4.4.2022	Examples of Elastic of Elastic String
5.4.2022	Exercise of Elastic String
6.4.2022	Exercise of Elastic String
7.4.2022	Doubts of Elastic String
8.4.2022	Test of SHM and Elastic string
9.4.2022	Newton's Laws of Motion (examples ex 5.1)
10.4.2022	<b>SUNDAY</b>
11.4.2022	Newton's Laws of Motion (examples ex 5.1)
12.4.2022	Newton's Laws of Motion ( ex 5.1)
13.4.2022	Newton's Laws of Motion (ex 5.1)
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>

15.4.2022	Newton's Laws of Motion (articles ex 5.2)
16.4.2022	Newton's Laws of Motion (examples & Ex 5.2)
17.4.2022	<b>SUNDAY</b>
18.4.2022	Newton's Laws of Motion (articles ex 5.3)
19.4.2022	Newton's Laws of Motion (examples ex 5.3)
20.4.2022	Newton's Laws of Motion (ex 5.3)
21.4.2022	Doubts of Newton's Laws of Motion
22.4.2022	Work done (articles and examples ex 6.1)
23.4.2022	Work done (ex 6.1)
24.4.2022	<b>SUNDAY</b>
25.4.2022	Power (articles and examples ex 6.2)
26.4.2022	Power (ex 6.2)
27.4.2022	Energy (articles and examples)
28.4.2022	Energy (articles and examples)
29.4.2022	Energy (ex 6.3)
30.4.2022	Energy (ex 6.3)
01.5.2022	<b>SUNDAY</b>
02.5.2022	Doubts of Work, Power and Energy
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Test
05.5.2022	Projectile (articles of 8.1)
06.5.2022	Projectile (example of 8.1)
07.5.2022	Projectile (ex 8.1)
08.5.2022	<b>SUNDAY</b>
09.5.2022	Projectile (ex 8.1)
10.5.2022	Examples of ex 8.2
11.5.2022	Exercise 8.2

12.5.2022	Doubts of Ex 8.1 and 8.2
13.5.2022	Examples of Ex 8.3 and Articles
14.5.2022	Exercise 8.3
15.5.2022	<b>SUNDAY</b>
16.5.2022	Doubts of Ex 8.3
17.5.2022	Examples and articles of ex 8.4
18.5.2022	Exercise 8.4
19.5.2022	Doubts of Ex 8.4
20.5.2022	Articles and examples of ex 9.1 from Ch - 9 (Central Orbits)
21.5.2022	Ex 9.1
22.5.2022	<b>SUNDAY</b>
23.5.2022	Articles ex 9.2
24.5.2022	Examples ex 9.2
25.5.2022	Examples ex 9.2
26.5.2022	Ex 9.2
27.5.2022	Ex 9.2
28.5.2022	Doubts of ch-9
29.5.2022	<b>SUNDAY</b>
30.5.2022	Test
31.5.2022	Articles and Examples Ch - 10(Kepler's Laws of Planetary Motion)
01.6.2022	Exercise 10.1
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Articles of Ch 1(Motion along a plane curve)
4.6.2022	Examples and Exercises 1.1
5.6.2022	<b>SUNDAY</b>
6.6.2022	Examples and Articles of ex 1.2
7.6.2022	Exercise 1.2
8.6.2022	Examples and Articles of Ex 1.3
9.6.2022	Exercise 1.3
10.6.2022	Articles and Examples of Ch 2(Relative Motion)
11.6.2022	Exercise 2.1
12.6.2022	<b>SUNDAY</b>

13.6.2022	Articles and Examples of Ch 11(Motion of a particle in Three Dimension)
14.6.2022	Exercise 11.1
15.6.2022	Examples and exercise 7.1 of Ch 7(Motion of particle in Smooth and Rough Plane Curve)
16.6.2022	Examples and exercise 7.2
17.6.2022	Examples and exercise 7.3
18.6.2022	Examples and exercise 7.4
19.6.2022	<b>SUNDAY</b>
20.6.2022	Examples and exercise 7.5
21.6.2022	Doubts of Ch-7
22.6.2022	Revision unit-1
23.6.2022	Revision unit-2
24.6.2022	Revision unit-3
25.6.2022	Revision unit-4
26.6.2022	<b>SUNDAY</b>
27.6.2022	Question Paper 2015 &2016
28.6.2022	Question Paper 2017 & 2018
29.6.2022	Question Paper 2019 & 2020
30.6.2022	Question Paper 2021

**Name of the Assistant/Associate Professor: Ms. Vandana Kumari**  
**Class And Section: B.Sc. (NM)Semester -6, Sec-A**  
**Subject: Linear Algebra**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of vector space and examples
22..3.2022	Subspace and properties of subspace
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Linear sum of subspace
25.3.2022	Direct sum of sub space
26.3.2022	Examples
27..3.2022	<b>SUNDAY</b>
28.3.2022	Linear combination,linear dependence and independence
29.3.2022	Spanning sets,linear span
30.3.2022	Finitely generated vector space
31.3.2022	Basis of a vector space
1.4.2022	Existence theorem
2.4.2022	Dimensions of a vector space
3.4.2022	<b>SUNDAY</b>
4.4.2022	Theorem related to dimensions of a vector space
5.4.2022	Identical spaces
6.4.2022	Dimension of linear sum
7.4.2022	Complementary subspace
8.4.2022	Test
9.4.2022	Quotient space and dimension of quotient space
10.4.2022	<b>SUNDAY</b>
11.4.2022	Linear transformation
12.4.2022	Properties of linear transformation
13.4.2022	Examples
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>



15.4.2022	One-one, onto transformation
16.4.2022	Theorems of one one and onto transformation
17.4.2022	<b>SUNDAY</b>
18.4.2022	Null space and theorems
19.4.2022	Range space and theorems
20.4.2022	Fundamental theorem of vector space homomorphism
21.4.2022	Rank and nullity theorem
22.4.2022	Test
23.4.2022	Sum of linear transformation
24.4.2022	<b>SUNDAY</b>
25.4.2022	Composition of two linear transformations
26.4.2022	Singular and non singular transformation
27.4.2022	Invertible linear transformation
28.4.2022	Matrix of linear transformation
29.4.2022	Matrices of identity and zero transformation
30.4.2022	Change of basis
01.5.2022	<b>SUNDAY</b>
02.5.2022	Dual space
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Bi-dual of a vector space
05.5.2022	Annihilator
06.5.2022	Eigen value and eigen vector of a linear transformation
07.5.2022	Similar matrices and theorems
08.5.2022	<b>SUNDAY</b>
09.5.2022	Test
10.5.2022	Diagonalisation
11.5.2022	Minimal polynomial

12.5.2022	Inner product space
13.5.2022	Cauchy schwarz inequality
14.5.2022	Triangle inequality
15.5.2022	<b>SUNDAY</b>
16.5.2022	Orthogonal vector and theorems
17.5.2022	Orthonormal set and theorems
18.5.2022	Bessel's inequality
19.5.2022	Gram-Schmidt theorem
20.5.2022	Examples
21.5.2022	Doubt discussion of exercise
22.5.2022	<b>SUNDAY</b>
23.5.2022	Test
24.5.2022	Adjoint operator
25.5.2022	Self adjoint operator
26.5.2022	Theorem 11.5.3
27.5.2022	Theorem 11.5.4,11.5.5,11.5.6
28.5.2022	Theorem 11.5.7,11.5.8
29.5.2022	<b>SUNDAY</b>
30.5.2022	Theorem 11.5.9,11.5.10
31.5.2022	Theorem 11.5.11,12
01.6.2022	Theorem 11.5.13,14
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Theorem 11.5.15,16,17
4.6.2022	Theorem 11.5.18,19
5.6.2022	<b>SUNDAY</b>
6.6.2022	Theorem 11.5.20,21
7.6.2022	Examples
8.6.2022	Doubt discussion
9.6.2022	Test
10.6.2022	Revision ch-1
11.6.2022	Doubt discussion
12.6.2022	<b>SUNDAY</b>

13.6.2022	Test
14.6.2022	Revision ch-2
15.6.2022	Doubt discussion
16.6.2022	Test
17.6.2022	Revision ch-4
18.6.2022	Doubt discussion
19.6.2022	<b>SUNDAY</b>
20.6.2022	Test
21.6.2022	Revision ch-5
22.6.2022	Revision ch-6 & 7
23.6.2022	Doubt discussion
24.6.2022	Test
25.6.2022	Revision ch-8 & 9
26.6.2022	<b>SUNDAY</b>
27.6.2022	Doubt discussion
28.6.2022	Test
29.6.2022	Revision ch-10 & 11
30.6.2022	Doubt discussion

**Name of the Assistant/Associate Professor: Ms. Vandana Kumari**  
**Class And Section: B.Sc. (NM)Semester -6, Sec-A**  
**Subject: Linear Algebra**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of vector space and examples
22..3.2022	Subspace and properties of subspace
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Linear sum of subspace
25.3.2022	Direct sum of sub space
26.3.2022	Examples
27..3.2022	<b>SUNDAY</b>
28.3.2022	Linear combination,linear dependence and independence
29.3.2022	Spanning sets,linear span
30.3.2022	Finitely generated vector space
31.3.2022	Basis of a vector space
1.4.2022	Existence theorem
2.4.2022	Dimensions of a vector space
3.4.2022	<b>SUNDAY</b>
4.4.2022	Theorem related to dimensions of a vector space
5.4.2022	Identical spaces
6.4.2022	Dimension of linear sum
7.4.2022	Complementary subspace
8.4.2022	Test
9.4.2022	Quotient space and dimension of quotient space
10.4.2022	<b>SUNDAY</b>
11.4.2022	Linear transformation
12.4.2022	Properties of linear transformation
13.4.2022	Examples
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>

15.4.2022	One-one, onto transformation
16.4.2022	Theorems of one one and onto transformation
17.4.2022	<b>SUNDAY</b>
18.4.2022	Null space and theorems
19.4.2022	Range space and theorems
20.4.2022	Fundamental theorem of vector space homomorphism
21.4.2022	Rank and nullity theorem
22.4.2022	Test
23.4.2022	Sum of linear transformation
24.4.2022	<b>SUNDAY</b>
25.4.2022	Composition of two linear transformations
26.4.2022	Singular and non singular transformation
27.4.2022	Invertible linear transformation
28.4.2022	Matrix of linear transformation
29.4.2022	Matrices of identity and zero transformation
30.4.2022	Change of basis
01.5.2022	<b>SUNDAY</b>
02.5.2022	Dual space
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Bi-dual of a vector space
05.5.2022	Annihilator
06.5.2022	Eigen value and eigen vector of a linear transformation
07.5.2022	Similar matrices and theorems
08.5.2022	<b>SUNDAY</b>
09.5.2022	Test
10.5.2022	Diagonalisation
11.5.2022	Minimal polynomial

12.5.2022	Inner product space
13.5.2022	Cauchy schwarz inequality
14.5.2022	Triangle inequality
15.5.2022	<b>SUNDAY</b>
16.5.2022	Orthogonal vector and theorems
17.5.2022	Orthonormal set and theorems
18.5.2022	Bessel's inequality
19.5.2022	Gram-Schmidt theorem
20.5.2022	Examples
21.5.2022	Doubt discussion of exercise
22.5.2022	<b>SUNDAY</b>
23.5.2022	Test
24.5.2022	Adjoint operator
25.5.2022	Self adjoint operator
26.5.2022	Theorem 11.5.3
27.5.2022	Theorem 11.5.4,11.5.5,11.5.6
28.5.2022	Theorem 11.5.7,11.5.8
29.5.2022	<b>SUNDAY</b>
30.5.2022	Theorem 11.5.9,11.5.10
31.5.2022	Theorem 11.5.11,12
01.6.2022	Theorem 11.5.13,14
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Theorem 11.5.15,16,17
4.6.2022	Theorem 11.5.18,19
5.6.2022	<b>SUNDAY</b>
6.6.2022	Theorem 11.5.20,21
7.6.2022	Examples
8.6.2022	Doubt discussion
9.6.2022	Test
10.6.2022	Revision ch-1
11.6.2022	Doubt discussion
12.6.2022	<b>SUNDAY</b>

13.6.2022	Test
14.6.2022	Revision ch-2
15.6.2022	Doubt discussion
16.6.2022	Test
17.6.2022	Revision ch-4
18.6.2022	Doubt discussion
19.6.2022	<b>SUNDAY</b>
20.6.2022	Test
21.6.2022	Revision ch-5
22.6.2022	Revision ch-6 & 7
23.6.2022	Doubt discussion
24.6.2022	Test
25.6.2022	Revision ch-8 & 9
26.6.2022	<b>SUNDAY</b>
27.6.2022	Doubt discussion
28.6.2022	Test
29.6.2022	Revision ch-10 & 11
30.6.2022	Doubt discussion

**Name of the Assistant/Associate Professor: Ms. Vandana Kumari**  
**Class And Section: B.Sc. (NM)Semester -6, Sec-A**  
**Subject: Linear Algebra**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of vector space and examples
22..3.2022	Subspace and properties of subspace
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Linear sum of subspace
25.3.2022	Direct sum of sub space
26.3.2022	Examples
27..3.2022	<b>SUNDAY</b>
28.3.2022	Linear combination,linear dependence and independence
29.3.2022	Spanning sets,linear span
30.3.2022	Finitely generated vector space
31.3.2022	Basis of a vector space
1.4.2022	Existence theorem
2.4.2022	Dimensions of a vector space
3.4.2022	<b>SUNDAY</b>
4.4.2022	Theorem related to dimensions of a vector space
5.4.2022	Identical spaces
6.4.2022	Dimension of linear sum
7.4.2022	Complementary subspace
8.4.2022	Test
9.4.2022	Quotient space and dimension of quotient space
10.4.2022	<b>SUNDAY</b>
11.4.2022	Linear transformation
12.4.2022	Properties of linear transformation
13.4.2022	Examples
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>



15.4.2022	One-one, onto transformation
16.4.2022	Theorems of one one and onto transformation
17.4.2022	<b>SUNDAY</b>
18.4.2022	Null space and theorems
19.4.2022	Range space and theorems
20.4.2022	Fundamental theorem of vector space homomorphism
21.4.2022	Rank and nullity theorem
22.4.2022	Test
23.4.2022	Sum of linear transformation
24.4.2022	<b>SUNDAY</b>
25.4.2022	Composition of two linear transformations
26.4.2022	Singular and non singular transformation
27.4.2022	Invertible linear transformation
28.4.2022	Matrix of linear transformation
29.4.2022	Matrices of identity and zero transformation
30.4.2022	Change of basis
01.5.2022	<b>SUNDAY</b>
02.5.2022	Dual space
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Bi-dual of a vector space
05.5.2022	Annihilator
06.5.2022	Eigen value and eigen vector of a linear transformation
07.5.2022	Similar matrices and theorems
08.5.2022	<b>SUNDAY</b>
09.5.2022	Test
10.5.2022	Diagonalisation
11.5.2022	Minimal polynomial

12.5.2022	Inner product space
13.5.2022	Cauchy schwarz inequality
14.5.2022	Triangle inequality
15.5.2022	<b>SUNDAY</b>
16.5.2022	Orthogonal vector and theorems
17.5.2022	Orthonormal set and theorems
18.5.2022	Bessel's inequality
19.5.2022	Gram-Schmidt theorem
20.5.2022	Examples
21.5.2022	Doubt discussion of exercise
22.5.2022	<b>SUNDAY</b>
23.5.2022	Test
24.5.2022	Adjoint operator
25.5.2022	Self adjoint operator
26.5.2022	Theorem 11.5.3
27.5.2022	Theorem 11.5.4,11.5.5,11.5.6
28.5.2022	Theorem 11.5.7,11.5.8
29.5.2022	<b>SUNDAY</b>
30.5.2022	Theorem 11.5.9,11.5.10
31.5.2022	Theorem 11.5.11,12
01.6.2022	Theorem 11.5.13,14
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Theorem 11.5.15,16,17
4.6.2022	Theorem 11.5.18,19
5.6.2022	<b>SUNDAY</b>
6.6.2022	Theorem 11.5.20,21
7.6.2022	Examples
8.6.2022	Doubt discussion
9.6.2022	Test
10.6.2022	Revision ch-1
11.6.2022	Doubt discussion
12.6.2022	<b>SUNDAY</b>

13.6.2022	Test
14.6.2022	Revision ch-2
15.6.2022	Doubt discussion
16.6.2022	Test
17.6.2022	Revision ch-4
18.6.2022	Doubt discussion
19.6.2022	<b>SUNDAY</b>
20.6.2022	Test

21.6.2022	Revision ch-5
22.6.2022	Revision ch-6 & 7
23.6.2022	Doubt discussion
24.6.2022	Test
25.6.2022	Revision ch-8 & 9
26.6.2022	<b>SUNDAY</b>
27.6.2022	Doubt discussion
28.6.2022	Test
29.6.2022	Revision ch-10 & 11
30.6.2022	Doubt discussion

**Name of the Assistant/Associate Professor: Ms. Vandana Kumari**  
**Class And Section: B.Sc. (NM) 4<sup>th</sup> Sem and B.A. 4<sup>th</sup> Sem**  
**Subject: Programming in 'C' and Numerical methods**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Syllabus and examination scheme discussed
22.3.2022	Ch 1 (Computers: A General Introduction)
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Ch 1 (Computers: A General Introduction)
25.3.2022	Exercise of Ch-1
26.3.2022	Exercise of Ch-1
27.3.2022	<b>SUNDAY</b>
28.3.2022	Introduction to C (ch-2)
29.3.2022	Introduction to C (ch-2)
30.3.2022	Exercise of ch-2
31.3.2022	Data Types (Ch-3)
1.4.2022	Data Types (Ch-3)
2.4.2022	Exercise of ch-3
3.4.2022	<b>SUNDAY</b>
4.4.2022	Operators(ch-4)
5.4.2022	Operators(ch-4)
6.4.2022	Exercise of Ch-4
7.4.2022	Doubts of Ch-3 and Ch-4
8.4.2022	Decision Control Structure (Ch-5)
9.4.2022	Decision Control Structure (Ch-5)
10.4.2022	<b>SUNDAY</b>
11.4.2022	Exercise of Ch-5
12.4.2022	Loops (ch-6)
13.4.2022	Exercise of Ch-6
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>

15.4.2022	Doubts in Ch-5 and Ch-6
16.4.2022	Assignment on Ch 5 and Ch 6
17.4.2022	<b>SUNDAY</b>
18.4.2022	Functions (Ch-7)
19.4.2022	Functions (Ch-7)
20.4.2022	Ex Ch 7
21.4.2022	Doubts of Ch -7
22.4.2022	Preprocessor(ch-8)
23.4.2022	Preprocessor(ch-8)
24.4.2022	<b>SUNDAY</b>
25.4.2022	Array(ch-9)
26.4.2022	Array(ch-9)
27.4.2022	Array (ex of ch-9)
28.4.2022	Array (ex of ch-9)
29.4.2022	Doubts related to Array
30.4.2022	String(ch-10)
01.5.2022	<b>SUNDAY</b>
02.5.2022	String(ch-10)
03.5.2022	<b>ID UL FITR</b>
04.5.2022	String (ex of Ch-10)
05.5.2022	Doubts of Ch-10
06.5.2022	Preliminaries of Numerical Methods
07.5.2022	Bi-section method and examples
08.5.2022	<b>SUNDAY</b>
09.5.2022	Ex of Bi-section method
10.5.2022	Regula Falsi method and Secant method and Examples
11.5.2022	Ex of Regula Falsi and Secant Method

12.5.2022	Newton Rapson Method and Examples
13.5.2022	Exercise of Newton Rapson Method
14.5.2022	Exercise
15.5.2022	<b>SUNDAY</b>
16.5.2022	Order of convergence of above methods
17.5.2022	Comparative study of above methods
18.5.2022	Doubts
19.5.2022	Test
20.5.2022	Gauss Elimination method and its examples
21.5.2022	Exercise of Gauss Elimination Method
22.5.2022	<b>SUNDAY</b>
23.5.2022	Gauss Jordan Method and its Examples
24.5.2022	Exercise of Gauss Jordan Method
25.5.2022	Triangularization Methods: Doolittle's Method and example
26.5.2022	Crout's Triangularization Method and example
27.5.2022	Exercise of Doolittle's Method and Crout's Triangularization Method
28.5.2022	Crout's Method and Examples
29.5.2022	<b>SUNDAY</b>
30.5.2022	Exercise of Crout's Method
31.5.2022	Cholesky's Decomposition Method and its Examples
01.6.2022	Exercise of Cholesky's Decomposition Method
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Iterative Methods: Jacobi's Method and its Example
4.6.2022	Gauss Seidel's Method and its Example
5.6.2022	<b>SUNDAY</b>
6.6.2022	Relaxation Method and its Example
7.6.2022	Exercise of Iterative Methods
8.6.2022	Doubts
9.6.2022	Test
10.6.2022	Ch-11 (Structures and Unions): Structures
11.6.2022	Ch-11 (Structures and Unions): Unions
12.6.2022	<b>SUNDAY</b>

13.6.2022	Ch-12 (Pointers)
14.6.2022	Exercise of Pointers
15.6.2022	REVISION of chapter 1 and 2
16.6.2022	REVISION of chapter 3 and 4
17.6.2022	REVISION of chapter 5 and 6
18.6.2022	REVISION of chapter 7 and 8
19.6.2022	<b>SUNDAY</b>
20.6.2022	REVISION of chapter 9 and 10
21.6.2022	REVISION of chapter 11 and 12
22.6.2022	REVISION of chapter 13 and 14
23.6.2022	REVISION of Bisection Method, Regula Falsi Method, Newton Method
24.6.2022	REVISION of Gauss Elimination and Gauss Jordan Methods
25.6.2022	REVISION of Doolittle's, Crout's Triangularization and Crout's Method
26.6.2022	<b>SUNDAY</b>
27.6.2022	REVISION of Cholesky's Decomposition, Jacobi's, Gauss Seidel's and Relaxation Methods
28.6.2022	Question Paper 2017 & 2018
29.6.2022	Question Paper 2019 & 2020
30.6.2022	Question Paper 2021



**Name of the Assistant/Associate Professor: Ms. RENU PANDEY**  
**Class And Section: B.Sc. Biotechnology 4<sup>th</sup> Sem**  
**Subject: Microbiology (BT202)**  
**Mode Of Teaching :Offline**  
**Lectures Per Week:4**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction
22.3.2022	History and Evolution of Microbiology
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	History and Evolution of Microbiology
26.3.2022	Microbial taxonomy
27.3.2022	SUNDAY
28.3.2022	criteria used including molecular approaches
29.3.2022	criteria used including molecular approaches
30.3.2022	
31.3.2022	
1.4.2022	Microbial phylogeny
2.4.2022	Assignment
3.4.2022	SUNDAY
4.4.2022	current classification of bacteria
5.4.2022	Distribution and characterization Prokaryotic and Eukaryotic cells
6.4.2022	
7.4.2022	
8.4.2022	Morphology and cell structure
9.4.2022	Test
10.4.2022	SUNDAY
11.4.2022	Major groups of micro- organisms: bacteria
12.4.2022	Major groups of micro- organisms: algae, fungi
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI
15.4.2022	Major groups of micro- organisms: fungi
16.4.2022	Test
17.4.2022	SUNDAY

18.4.2022	Nutritional categories of micro-organisms
19.4.2022	Nutritional categories of micro-organisms
20.4.2022	
21.4.2022	
22.4.2022	Nutritional categories of micro-organisms
23.4.2022	Presentation
24.4.2022	<b>SUNDAY</b>
25.4.2022	Methods of isolation
26.4.2022	Purification
27.4.2022	
28.4.2022	
29.4.2022	Preservation
30.4.2022	Assignment
01.5.2022	<b>SUNDAY</b>
02.5.2022	Microbial growth: Growth curve
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Microbial growth: Growth curve
07.5.2022	Test
08.5.2022	<b>SUNDAY</b>
09.5.2022	Microbial growth: Growth curve
10.5.2022	Microbial growth: synchronous batch
11.5.2022	

12.5.2022	
13.5.2022	continuous culture
14.5.2022	Presentation
15.5.2022	SUNDAY
16.5.2022	Measurement of growth and factors affecting growth of bacteria
17.5.2022	Measurement of growth and factors affecting growth of bacteria
18.5.2022	
19.5.2022	
20.5.2022	Microbial Metabolism: Metabolic pathways
21.5.2022	Test
22.5.2022	SUNDAY
23.5.2022	Microbial Metabolism: amphi-catabolic
24.5.2022	catabolic and biosynthetic pathways
25.5.2022	
26.5.2022	
27.5.2022	catabolic and biosynthetic pathways
28.5.2022	catabolic and biosynthetic pathways
29.5.2022	SUNDAY
30.5.2022	Bacterial Reproduction: Transformation
31.5.2022	Bacterial Reproduction: Transformation
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Bacterial Reproduction: Conjugation
4.6.2022	Presentation
5.6.2022	SUNDAY
6.6.2022	Endospores and sporulation in bacteria
7.6.2022	Control of Microorganisms: By physical, chemical and Chemo- therapeutic Agents
8.6.2022	
9.6.2022	

10.6.2022	Control of Microorganisms: By physical, chemical and Chemo- therapeutic Agents
11.6.2022	Assignment
12.6.2022	SUNDAY
13.6.2022	Water Microbiology: Bacterial pollutants of water, coliforms and non- coliforms.
14.6.2022	Water Microbiology: Bacterial pollutants of water, coliforms and non- coliforms.
15.6.2022	
16.6.2022	
17.6.2022	Water Microbiology: Sewage composition and its disposal.
18.6.2022	Food Microbiology: Important microorganism in food
19.6.2022	SUNDAY
20.6.2022	Major food born infections and intoxications
21.6.2022	Preservation of various types of foods. Fermented Foods
22.6.2022	
23.6.2022	
24.6.2022	Bio engineering of microorganism for Industrial purposes, Industrial uses of bacteria, Yeasts, moulds
25.6.2022	Bio engineering of microorganism for Industrial purposes, Industrial uses of bacteria, Yeasts, moulds
26.6.2022	SUNDAY
27.6.2022	Industrial uses of bacteria, Yeasts, moulds
28.6.2022	Revision
29.6.2022	
30.6.2022	

**Name of the Assistant Professor: Dr. RADHIKA URMALIA**  
**Class And Section: B.Sc medical 2 nd semester**  
**Subject: Botany PAPER 2 Genetics**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 30**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Introduction of syllabus
25.3.2022	General introduction of genetics
26.3.2022	DNA condensation
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	DNA as a genetic material: Historical perspectives Griffith's experiment
1.4.2022	DNA as a genetic material: Historical perspectives Avery, macleod and mccarty experiment
2.4.2022	DNA as a genetic material: Historical perspectives Avery, Hershey and chase experiment
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	Test
8.4.2022	DNA structure
9.4.2022	Structure of nucleotides
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI
15.4.2022	Chargaff's rule

16.4.2022	Types of DNA A, B, C, D and Z DNA
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	DNA – protein interaction
22.4.2022	The nucleosome model
23.4.2022	Genetic code
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Satellite and Repetitive DNA
29.4.2022	Genetic inheritance: Dihybrid and monohybride cross
30.4.2022	Law of Segregation and independent assortment
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	Test
06.5.2022	Linkage analysis
07.5.2022	Allelic interactions
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	Revision
13.5.2022	Allelic interactions
14.5.2022	Non Allelic interactions
15.5.2022	<b>SUNDAY</b>
16.5.2022	
17.5.2022	

18.5.2022	
19.5.2022	Non Allelic interactions
20.5.2022	Extra- nuclear inheritance
21.5.2022	Extra- nuclear inheritance
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	Genetic variations
27.5.2022	Mutation
28.5.2022	Mutation
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	DNA damage and repair
4.6.2022	DNA damage and repair
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	Gene expression: Introduction
10.6.2022	Transcription
11.6.2022	Translation
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	Structure of protein
17.6.2022	Structure of protein
18.6.2022	Structure of protein

19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	Regulation of gene expression in prokaryotes
24.6.2022	Regulation of gene expression in Eukaryotes
25.6.2022	Regulation of gene expression in Eukaryotes
26.6.2022	SUNDAY
27.6.2022	Test
28.6.2022	Revision
29.6.2022	Revision
30.6.2022	

<b>Name of the Assistant/Associate Professor: Dr. Jasvinder Kour</b> <b>ClassAndSection: B.Sc. Biotechnology 4<sup>th</sup> Sem</b> <b>Subject: Animal Developmental Biology (BT-403)</b> <b>ModeOfTeaching: Offline</b> <b>LecturesPer Week: 4</b>	
<b>Date</b>	<b>TopicToBeCovered</b>
21.3.2022	
22.3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Syllabus Discussion
25.3.2022	Definition, scope & historical perspective of development Biology
26.3.2022	Definition, scope & historical perspective of development Biology, Gametogenesis – Spermatogenesis
27.3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	Gametogenesis – Spermatogenesis
1.4.2022	Gametogenesis – Spermatogenesis
2.4.2022	Gametogenesis – Oogenesis



3.4.2022	<b>SUNDAY</b>
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	Gametogenesis – Oogenesis
8.4.2022	Fertilization - Definition, mechanism, types of fertilization.
9.4.2022	Fertilization - Definition, mechanism, types of fertilization.
10.4.2022	<b>SUNDAY</b>
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI
15.4.2022	fertilization.
16.4.2022	Different types of eggs on the basis of yolk
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	Different types of eggs on the basis of yolk
22.4.2022	Cleavage: Definition, types, patterns & mechanism
23.4.2022	Cleavage: Definition, types, patterns & mechanism
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Blastulation: Process, types & mechanism
29.4.2022	Blastulation: Process, types & mechanism
30.4.2022	Morphogenetic movements– epiboly, emboly
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>

04.5.2022	
05.5.2022	Morphogenetic movements– epiboly, emboly
06.5.2022	Morphogenetic movements- extension, invagination, convergence
07.5.2022	Morphogenetic movements- extension, invagination, convergence
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
13.5.2022	Test
14.5.2022	Formation & differentiation of primary germ layers
15.5.2022	<b>SUNDAY</b>
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	Fate Maps in early embryos
20.5.2022	Differentiation: Cell commitment and determination
21.5.2022	The epigenetic landscape: a model of determination and differentiation
22.5.2022	<b>SUNDAY</b>
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	Control of differentiation at the level of genome
27.5.2022	Control of differentiation at the level of genome
28.5.2022	Transcription and post-translation level Concept of embryonic induction Primary, secondary & tertiary embryonic induction
29.5.2022	<b>SUNDAY</b>
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Neural induction
4.6.2022	Induction of vertebrate lens, Neurulation
5.6.2022	<b>SUNDAY</b>

6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	Notogenesis
10.6.2022	Development of vertebrate eye
11.6.2022	Development of vertebrate eye, Fate of different primary germ layers and Test
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	Development of behaviour: constancy & plasticity
17.6.2022	Extra embryonic membranes
18.6.2022	Placenta in Mammals
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	Previous Year Question Paper Discussion
24.6.2022	Previous Year Question Paper Discussion
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	Revision

**Name Of The Assistant/Associate Professor: Dr.Mamta Singh**  
**Class And Section: B.Sc.(Med) Semester-II Section A&B**  
**Subject: Zoology,Paper2.1(Life and Diversity of Annelida to Hemichordata)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 30**

<b>Date</b>	<b>Topics To Be Covered</b>
21.3.2022	<b>Phylum - Annelida:</b> General characters and classification up to order level
22..3.2022	Topic continued
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	<b>SUNDAY</b>
28.3.2022	Biodiversity and economic importance of Annelida
29.3.2022	<b>Type study - Pheretima (Earthworm):</b> Habitat, Habits, External morphology, Body Wall, Coelom
30.3.2022	Locomotion, Digestive system, Histology of gut wall and physiology
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	<b>SUNDAY</b>
4.4.2022	Circulatory System, Respiratory system
5.4.2022	Excretory System. Nervous System
6.4.2022	Sense organs and Reproductive System (Male&Female),Copulation
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	<b>SUNDAY</b>
11.4.2022	Cocoon Formation,Fertilization&Development,Regeneration,Adaptations,Economic Importance
12.4.2022	Annelida: Metamerism, Trochophore Larva
13.4.2022	Test/Assignment
14.4.2022	DRB.RAMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	<b>Phylum - Arthropoda:</b> General characters and classification up to order level
19.4.2022	Biodiversity and economic importance of insects
20.4.2022	<b>Type study – Periplaneta:</b> Habitat,Habits,External Morphology,Body Wall
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Digestive System,Respiratory System
26.4.2022	Circulatory system,Exccretory System
27.4.2022	Nervous System,Sense Organs
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Reproductive System(male &female),Life history
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Test/Assignment
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	<b>Phylum - Mollusca:</b> General characters and classification up to order level
10.5.2022	Biodiversity and economic importance, <b>Type study- Pila:</b> Habitat,Habits
11.5.2022	External Morphology,Mantle or Pallium,Mantle Cavity& Pallial Complex,Locomotion
12.5.2022	

13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	Digestive system and its Physiology, Respiratory System and its Mechanism
17.5.2022	Blood Vascular System, Excretory System
18.5.2022	Nervous system, Sense organs
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Reproductive System, copulation, Fertilization and Ovulation
24.5.2022	Torsion and Detorsion in Gastropoda, Respiration and Foot in Mollusca
25.5.2022	Topic continued
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Test/Assignment
31.5.2022	<b>Phylum - Echinodermata:</b> General characters and classification up to order level
01.6.2022	Topic continued
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Biodiversity and economic importance, <b>Type Study</b> -Asteries (Sea Star):Habitat,Habits,External Morphology
7.6.2022	Body Wall,Endoskeleton,Coelom
8.6.2022	Digestive System, Water Vascular System
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Locomotion,Circulatory System,Respiratory System

14.6.2022	Excretory and Nervous System,Sense organs
15.6.2022	Reproductive System, Life history and Development,Regeneration and Autotomy
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Echinoderm larvae, Aristotle's Lantern
21.6.2022	Test /Assignment
22.6.2022	<b>Phylum – Hemichordata:</b> General Characters,Classification and Affinities, <b>Type study:</b> Balanoglossus:Habitat and Habits,External Features
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Body wall,coelom,Skeleton, Digestive System and its physiology,Respiratory system
28.6.2022	Blood Vascular System, Excretory, Nervous and Reproductive systems
29.6.2022	Test/Assignment
30.6.2022	

**Name Of The Assistant/Associate Professor: Dr.Mamta Singh**  
**Class And Section: B.Sc.(Med) Semester-II Section A&B**  
**Subject: Zoology,Paper2.2(Genetics)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 30**

<b>Date</b>	<b>Topics To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	<b>UNIT-I</b> Elements of Heredity and variations:Introduction,Mendel's work of Transmission of Traits
25.3.2022	Principles of Inheritance (Principle of Dominance,Principle of segregation
26.3.2022	Principle of Independent Assortment,Importance of Mendelism,Characteristics of Mendelism Inheritance
27..3.2022	<b>SUNDAY</b>
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	The varieties of gene interactions:Epistatsis,Complementary Gene,Supplementary Gene,
1.4.2022	Polymeric or Additive Gene,Inhibitory or Suppressor Genes,Duplicate Genes
2.4.2022	Lethal Genes,Polygenic Inheritance,Pleiotropy
3.4.2022	<b>SUNDAY</b>
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	Linkage and recombination: Coupling and repulsion hypothesis
8.4.2022	crossing-over and chiasma formation; gene mapping.
9.4.2022	Test/Assignment
10.4.2022	<b>SUNDAY</b>
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI



15.4.2022	
16.4.2022	role of Y -chromosome, male haploidy, cytoplasmic and environmental factors, role of hormones in sex determination
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	Topic continued
22.4.2022	Sex linked inheritance: Haemophilia and colour blindness in man, eye colour in Drosophila
23.4.2022	Non-disjunction of sex-chromosome in Drosophila; Sex-linked and sex influenced inheritance.
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Extra chromosomal and cytoplasmic inheritance: Kappa particles in Paramecium, Shell
29.4.2022	coiling in snails. Milk factor in mice
30.4.2022	Test Assignment
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	<b>UNIT-III</b> Multiple allelism: Eye colour in Drosophila; A, B, O blood group in man.
06.5.2022	Human genetics: Human karyotype, Chromosomal abnormalities involving autosomes and sex chromosomes, monozygotic and dizygotic twins.
07.5.2022	Inborn errors of metabolism (Alcaptonuria, Phenylketonuria, Albinism, sickle-cell anaemia).
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	Test/Assignment

	<b>UNIT-II</b> Sex determination and its mechanism: male and female heterozygous systems, genetic
13.5.2022	<b>UNIT-IV</b> Nature and function of genetic material; Structure and type of nucleic acids; Protein synthesis
14.5.2022	spontaneous and induced (chemical and radiations) mutations; gene mutations; chemical basis of mutations; transition, transversion,
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	Topic continued
20.5.2022	Topic continued
21.5.2022	Topic continued
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	structural chromosomal aberrations (deletion, duplication, inversion and translocation)
27.5.2022	Topic continued
28.5.2022	Topic continued
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Numerical aberrations (autopolyploidy, euploidy and polyploidy in animals)
4.6.2022	Topic continued
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	Topic continued
10.6.2022	Applied genetics: Eugenics, eugenics and eugenics
11.6.2022	genetic counseling, pre-natal diagnostics
12.6.2022	SUNDAY

13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	DNA-finger printing, transgenic animals
17.6.2022	Topic continued
18.6.2022	Topic continued
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	Test/Assignment
24.6.2022	Revision
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms. Savita Nailwal**  
**Class And Section: BSc (medical)6th semester**  
**Subject: Entomology**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	-
22..3.2022	-
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Introduction to the syllabus and discussion about books
25.3.2022	Study of important insect pests
26.3.2022	Study of sugarcane pest (sugarcane leaf - hoper)
27..3.2022	SUNDAY
28.3.2022	-
29.3.2022	-
30.3.2022	-
31.3.2022	Study of sugarcane leaf-hopper systematic position, habits and nature of damage caused.
1.4.2022	Study of life cycle and control of pyrilla perpusilla.
2.4.2022	Continue
3.4.2022	SUNDAY
4.4.2022	-
5.4.2022	-
6.4.2022	-
7.4.2022	Study of sugarcane whitefly pest
8.4.2022	Study of sugarcane top borer pest
9.4.2022	Study of sugarcane root borer
10.4.2022	SUNDAY
11.4.2022	-
12.4.2022	-
13.4.2022	-
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Continue
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	-
19.4.2022	-
20.4.2022	-
21.4.2022	Study of Gurdaspur borer
22.4.2022	Revision
23.4.2022	Test
24.4.2022	<b>SUNDAY</b>
25.4.2022	-
26.4.2022	-
27.4.2022	-
28.4.2022	Study of Cotton pest
29.4.2022	Study of pink bollworm
30.4.2022	Systematic position, habits and nature of damage caused of pectinophore gossypiella
01.5.2022	<b>SUNDAY</b>
02.5.2022	-
03.5.2022	<b>ID UL FITR</b>
04.5.2022	-
05.5.2022	Study of Life cycle and control of pectinophore gossypiella
06.5.2022	Study of Red cotton bug .
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	-
10.5.2022	-
11.5.2022	-
12.5.2022	Study of Cotton grey weevil

13.5.2022	Study of Cotton jassid
14.5.2022	Study of wheat stem borer with its systematic position, habits, nature of damage caused and life cycle and control
15.5.2022	SUNDAY
16.5.2022	-
17.5.2022	-
18.5.2022	-
19.5.2022	Study of paddy pest Gundhi bug with their systematic position, habits and nature of damage caused and life cycle and control.
20.5.2022	Study of Rice grasshopper.
21.5.2022	Study of Rice stem borer.
22.5.2022	SUNDAY
23.5.2022	-
24.5.2022	-
25.5.2022	-
26.5.2022	Study of Rice Hispa.
27.5.2022	Revision & Test
28.5.2022	Study of vegetable pest The Red pumpkin beetle. with their systematic position, habits and nature of damage caused. life cycle and control
29.5.2022	SUNDAY
30.5.2022	-
31.5.2022	-
01.6.2022	-
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Continue
4.6.2022	Study of The pumpkin fruit fly.
5.6.2022	SUNDAY
6.6.2022	-
7.6.2022	-
8.6.2022	-
9.6.2022	Study of The vegetable mite.
10.6.2022	Study of The Hadda beetle.
11.6.2022	Study of Stored grain pest pulse beetle with their systematic position, habits and nature of damage caused. Life cycle and control.
12.6.2022	SUNDAY

13.6.2022	-
14.6.2022	-
15.6.2022	-
16.6.2022	Study of Rice weevil.
17.6.2022	Study of wheat weevil.
18.6.2022	Study of Rust Red Flour beetles.
19.6.2022	SUNDAY
20.6.2022	-
21.6.2022	-
22.6.2022	-
23.6.2022	Study of Lesser grain borer.
24.6.2022	Study of Grain& Flour moth.and integrated pest management.
25.6.2022	Study of insect control (biological control) it's history, requirement and precautions and feasibility of biological agents for controland chemical control.
26.6.2022	SUNDAY
27.6.2022	-
28.6.2022	-
29.6.2022	-
30.6.2022	Important Bird and rodent pests of agriculture & their management.

<b>Name of the Assistant/Associate Professor: Ms. Komal Sharma</b>	
<b>Class And Section: B.Sc (Med) 2<sup>nd</sup>Sem, Section - A</b>	
<b>Subject: Inorganic Chemistry</b>	
<b>Mode Of Teaching: Offline</b>	
<b>Lectures Per Week: 2</b>	
<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Hydrogen bonding - Definition and types
22..3.2022	Effects of hydrogen bonding and applications
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Various types of Vander Waal's forces
29.3.2022	Metallic bond - Introduction and band theory
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	Semiconductors
5.4.2022	Test
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	S block elements - properties, diagonal relationship
12.4.2022	S block elements - salient features of hydrides, complexation and solvation tendency
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI



15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Chemical properties of noble gases
19.4.2022	Chemistry of Xenon compounds
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Structure and bonding of fluorides of Xenon
26.4.2022	Structure and bonding of oxides and oxyfluorides of Xenon
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Characteristics of 13 group elements, Diborane and its properties and structure
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	13 group elements - borazine and its chemical properties,
10.5.2022	Trihalides of Boron and other important compounds of Boron family
11.5.2022	
12.5.2022	

13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	Test
17.5.2022	Characteristics of group 14 elements, study of their hydrides, oxides, halides
18.5.2022	
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Carbides, fluorocarbons
24.5.2022	Silicates, silicones - preparation and uses
25.5.2022	
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Characteristics of group 15 elements, study of their hydrides, oxides, oxoacids
31.5.2022	Oxides of Nitrogen and Phosphorus
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Oxoacids of Nitrogen and Phosphorus, Allotropes of Phosphorus
7.6.2022	Characteristics of group 16 elements, study of their compounds
8.6.2022	
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Oxides of sulphur ; Hydrogen peroxide

14.6.2022	General characteristics of group 17 elements, basic properties of halogens
15.6.2022	
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Interhalogen compounds, interhalogen ions and polyhalides
21.6.2022	Hydro acids of halogens, Oxoacids of chlorine
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Revision And Doubts
28.6.2022	Test
29.6.2022	
30.6.2022	

**Name of the Assistant/Associate Professor: Ms. Komal Sharma**  
**Class And Section: B.Sc (Non-Medical) 2<sup>nd</sup>Sem**  
**Subject: Inorganic Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	Hydrogen bonding - Definition and types
26.3.2022	Effects of hydrogen bonding and applications
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	Various types of Vander Waal's forces
2.4.2022	Metallic bond - Introduction and band theory
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	Semiconductors
9.4.2022	Test
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	S block elements - salient features of hydrides, complexation and solvation tendency
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Chemical properties of noble gases
23.4.2022	Chemistry of Xenon compounds
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	Structure and bonding of fluorides of Xenon
30.4.2022	Structure and bonding of oxides and oxyfluorides of Xenon
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Characteristics of 13 group elements, Diborane and its properties and structure
07.5.2022	13 group elements - borazine and its chemical properties,
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	

12.5.2022	S block elements - properties, diagonal relationship
13.5.2022	Trihalides of Boron and other important compounds of Boron family
14.5.2022	Test
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Characteristics of group 14 elements, study of their hydrides, oxides, halides
21.5.2022	Carbides, fluorocarbons
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Silicates, silicones - preparation and uses
28.5.2022	Characteristics of group 15 elements, study of their hydrides, oxides, oxoacids
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Oxides of Nitrogen and Phosphorus
4.6.2022	Oxoacids of Nitrogen and Phosphorus, Allotropes of Phosphorus
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	Characteristics of group 16 elements, study of their compounds
11.6.2022	Oxides of sulphur ; Hydrogen peroxide
12.6.2022	SUNDAY

13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	General characteristics of group 17 elements, basic properties of halogens
18.6.2022	Interhalogen compounds, interhalogen ions and polyhalides
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Hydro acids of halogens, Oxoacids of chlorine
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	

**Name of the Assistant/Associate Professor: Ms. Komal Sharma**  
**Class And Section: B.Sc. (Non-Medical) 4th Semester**  
**Subject: Physical Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Electrochemistry-III : Introduction, electrolytic and galvanic cells, reversible and irreversible cells
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	Conventional representation of electrochemical cells , EMF of cell and its measurement, Weston standard cell
31.3.2022	Activity and activity coefficient, calculation of thermodynamic quantities of cell reaction
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	Types of reversible electrodes - metal-metal Ion gas electrode , metal-insoluble salt anion and redox electrodes
7.4.2022	Electrode reactions , Nernst equations , derivation of cell EMF and single electrode potential
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	Standard hydrogen electrode ,reference electrode, standard electrode potential
14.4.2022	DR B.R AMBEDKAR JAYANTI



15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	Sign conventions, electrochemical series and its applications
21.4.2022	Numericals and Assignment
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	Test
28.4.2022	Electrochemistry-IV : concentration cells without transference
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Concentration cells with transference and Liquid junction potential
05.5.2022	Application of EMF measurement, i.e, valency of ions, solubility product activity coefficient
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	Determination of pH using hydrogen electrode, Quinhydrone electrode and glass electrode
12.5.2022	Potentiometric titration ( acid ,base and redox )
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	

17.5.2022	
18.5.2022	Test and assignment
19.5.2022	Thermodynamics-III: second law of thermodynamics, need for the law ,different statements of the law
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	Carnot's cycle and its efficiency Carnot's theorem
26.5.2022	Thermodynamics scale of temperature , concept of entropy, entropy as a state function
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	Entropy as a function of V and T, entropy as a function of P and T, entropy change in physical change
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	Entropy as a criteria of spontaneity and equilibrium, entropy change in ideal gases and mixing of gases
9.6.2022	Nernst heat theorem
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	Third law of thermodynamics
16.6.2022	Statement of concept of residual entropy,Gibbs and helmholtz functions as thermodynamics quantities

17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	Criteria for thermodynamics equilibrium and spontaneity, their advantage
23.6.2022	Variation of G and A with P, V and T
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	Numericals and revision
30.6.2022	Test

**Name of the Assistant/Associate Professor: Ms. Reeta Kumari**  
**Class And Section: B.Sc.(N.M)6<sup>th</sup> Sem Section-A**  
**Subject: Atomic ,Molecular And Laser Physics**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

Date	Topic To Be Covered
21.3.2022	Introduction about syllabus
22..3.2022	Chemistry practical exam
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Physics practical exam
29.3.2022	Introduction about first chapter
30.3.2022	Vector atom model
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	Quantum numbers associated with vector atom model
5.4.2022	Penetrating and non-penetrating orbits
6.4.2022	Spectral lines in different series of alkali metals
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	Spin orbit interaction and doublet term separation
12.4.2022	Spin orbit interaction and doublet term separation
13.4.2022	Coupling scheme
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	SUNDAY
18.4.2022	Test
19.4.2022	LS Coupling
20.4.2022	jj coupling
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	SUNDAY
25.4.2022	Assignment
26.4.2022	Zeeman effect
27.4.2022	Normal Zeeman effect
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	SUNDAY
02.5.2022	Anomalous Zeeman effect
03.5.2022	ID UL FITR
04.5.2022	Zeeman pattern of D1 and D2 lines of Na atom
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	SUNDAY
09.5.2022	Paschen back effect of single valance electron system
10.5.2022	Weak field stark effect of hydrogen atom
11.5.2022	Discrete set of electronic energies of molecules
12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	QUANTISATION OF VIBRATIONAL ENERGIES

17.5.2022	QUANTISATION OF ROTATIONAL ENERGIES
18.5.2022	Test
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Raman effect
24.5.2022	Stoke's and anti-stoke's lines
25.5.2022	Main features of laser: directionality
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Main features of laser: high intensity
31.5.2022	Main features of laser: high degree of coherence
01.6.2022	Spatial coherence,temporeal coherence
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Einstein coefficients and possibility of amplification
7.6.2022	Momentum transfer
8.6.2022	Test
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Life time of level, kinetics of optical absorption
14.6.2022	Threshold condition for laser emission
15.6.2022	Laser pumping
16.6.2022	
17.6.2022	

18.6.2022	
19.6.2022	SUNDAY
20.6.2022	He-Ne laser
21.6.2022	Ruby laser
22.6.2022	revision
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Applications of laser
28.6.2022	Revision
29.6.2022	Revision
30.6.2022	

**Name of the Assistant/Associate Professor: Ms. Reeta Kumari**  
**Class And Section: B.Sc.(N.M)6<sup>th</sup> sem Section-B**  
**Subject: Atomic, Molecular And Laser Physics**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Chemistry practical exam
25.3.2022	Math practical exam
26.3.2022	Introduction about syllabus
27..3.2022	SUNDAY
28.3.2022	Physics practical exam
29.3.2022	
30.3.2022	
31.3.2022	Introduction
1.4.2022	Introduction about first chapter
2.4.2022	Vector atom model
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	<b>Quantum numbers associated with vector atom model</b>
8.4.2022	Penetrating and non-penetrating orbits
9.4.2022	Spectral lines in different series of alkali metals
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI



15.4.2022	
16.4.2022	Coupling scheme
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	Test
22.4.2022	LS Coupling
23.4.2022	jj coupling
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Assignment
29.4.2022	Zeeman effect
30.4.2022	Normal Zeeman effect
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	Anomalous Zeeman effect
06.5.2022	Zeeman pattern of D1 and D2 lines of Na atom
07.5.2022	Revision
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	Paschen back effect of single valance electron system
13.5.2022	Weak field stark effect of hydrogen atom
14.5.2022	Discrete set of electronic energies of molecules
15.5.2022	<b>SUNDAY</b>
16.5.2022	

17.5.2022	
18.5.2022	
19.5.2022	QUANTISATION OF VIBRATIONAL ENERGIES
20.5.2022	QUANTISATION OF ROTATIONAL ENERGIES
21.5.2022	Test
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	Raman effect
27.5.2022	Stoke's and anti-stoke's lines
28.5.2022	Main features of laser: directionality
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Main features of laser: high intensity
4.6.2022	Main features of laser: high degree of coherence
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	Spatial coherence,temporeal coherence
10.6.2022	Einstein coefficients and possibility of amplification
11.6.2022	Momentum transfer
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	Life time of level, kinetics of optical absorption
17.6.2022	Threshold condition for laser emission

18.6.2022	Laser pumping
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	He-Ne laser
24.6.2022	Ruby laser
25.6.2022	Applications of laser
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Dr. Shipra Rani Jha**  
**Class And Section: B.Sc (Medical) 2<sup>nd</sup> year (Sec A and B)**  
**Subject: Plant Embryology**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of Syllabus
22..3.2022	Parts of Flower
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Inflorescence
29.3.2022	Different types of Inflorescence
30.3.2022	Aestivation and types of Placentation
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	Microsporangium: Structure and development of Pollen sac
5.4.2022	Dehiscence mechanism of microsporangium
6.4.2022	Structure of pollen grains and microsporogenesis
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	Structure of pollen grains and microsporogenesis
12.4.2022	Test
13.4.2022	Development of Male gametophytes
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Pollen- pistil interaction
19.4.2022	Self incompatibility
20.4.2022	Assignment 1
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Types of Pollination
26.4.2022	Structure of Megasporangium (ovule)
27.4.2022	Types of Ovules
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Megasporogenesis and Megagametogenesis
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Development of Female gametophytes
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Test
10.5.2022	Types of Female gametophytes
11.5.2022	Double fertilization

12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	Endosperm development and its types
17.5.2022	Biological importance of Endosperm
18.5.2022	Embryogenesis in Dicot and Monocot plant
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Polyembryony
24.5.2022	Assignment 2
25.5.2022	Polyembryony
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Oral test
31.5.2022	Development of Seed
01.6.2022	Structure of Dicot and Monocot seed
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Revision of Types of Ovules
7.6.2022	Fruit Types
8.6.2022	Test
9.6.2022	
10.6.2022	Revision

11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Revision of Polyembryony
14.6.2022	Dispersal mechanism in fruits and seeds
15.6.2022	Dispersal mechanism in fruits and seeds
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Revision
21.6.2022	Oral Test
22.6.2022	Revision
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Assignment
28.6.2022	PPT presentation
29.6.2022	Revision
30.6.2022	

**Name of the Assistant Professor: Ms. KAJAL GAUR**

**Class And Section: B.Sc (Non-Med) 2<sup>nd</sup> Sem**

**Subject: Organic Chemistry**

**Mode Of Teaching: Offline**

**Lectures Per Week: 4**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	<b>Unit 1 -Alkenes :</b> IUPAC naming, preparation of alkenes, chemical reactions of alkenes, mechanism of hydrogenation
22..3.2022	Physical properties and relative stability of alkenes, electrophilic and free radical addition ,markovnikoff's rule
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Hydroboration and oxidation, oxymercuration and reduction
29.3.2022	Ozonolysis and hydration, hydroxylation and oxidation with KMnO <sub>4</sub>
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	Test
5.4.2022	<b>Chapter 2 : ARENES AND AROMATICITY</b> IUPAC naming, aromaticity, huckel rule ,aromatic ions
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	General Mechanism of electrophilic substitution reactions and its energy profile diagram
12.4.2022	Mechanism of Halogenation, sulphonation, nitration and friedel craft reaction diagram
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI



15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Activating deactivating substituents and orientation
19.4.2022	Revision class and assignment
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	<b>Chapter 3 : DIENES AND ALKYNES</b> IUPAC naming ,classification of dienes ,structure of butadiene
26.4.2022	Chemical reaction 1-2 and 1-4 addition
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Diels Alder reaction
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	<b>Alkynes</b> : IUPAC naming structure and bonding in alkynes
10.5.2022	Methods of formation of alkynes
11.5.2022	
12.5.2022	
13.5.2022	
14.5.2022	

15.5.2022	SUNDAY
16.5.2022	Chemical reactions of alkynes, acidity of alkynes
17.5.2022	Mechanism of electrophilic and nucleophilic addition reactions
18.5.2022	
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Revision class
24.5.2022	Test or assignment
25.5.2022	
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	<b>Chapter 4 : ALKYL AND ARYL HALIDES</b> IUPAC naming and classification of alkyl halide , methods of formation with chemical reaction
31.5.2022	Mechanism and stereochemistry of SN1 and SN2 reactions with energy profile diagram
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Methods of formation and reactions of aryl halides with mechanism
7.6.2022	Relative reactivities of alkyl ,allyl,vinyl and aryl halides
8.6.2022	
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Test and assignment
14.6.2022	Doubt class
15.6.2022	

16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Revision class
21.6.2022	Doubt class
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Revision of whole syllabus
28.6.2022	Test of whole syllabus
29.6.2022	
30.6.2022	

**Name of the Assistant Professor :** Ms. Kajal Gaur  
**Class and Section :** B.Sc Medical 4th Sem. Sec- A  
**Subject :** Organic Chemistry  
**Mode of Teaching :** Offline  
**Lecture per week :** 2:

DATE	TOPIC TO BE COVERED
21.03.2022	<b>Unit 1:</b> Infrared absorption spectroscopy Molecular vibrations ,hook's law, selection rules intensity and position of IR bands
22.03.2022	Measurement of IR spectrum, fingerprint region,characteristic absorption of various functional groups , Interpretation of IR spectra of simple organic compounds
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	
25.03.2022	
26.03.2022	
27.03.2022	<b>SUNDAY</b>
28.03.2022	Application of IR spectroscopy in structure elucidation of simple organic compound
29.03.2022	Test or assignment
30.03.2022	
31.03.2022	
01.04.2022	
02.04.2022	
03.04.2022	<b>SUNDAY</b>
04.04.2022	<b>Unit 2:</b> Amines ;Structure and nomenclature , physical properties
05.04.2022	Separation of a mixture of primary secondary and tertiary amine ,Structural features affecting basicity of amine, preparation of alkyl and aryl amines: reduction of nitro compounds ,nitriles
06.04.2022	

07.04.2022	
08.04.2022	
09.04.2022	
10.04.2022	<b>SUNDAY</b>
11.04.2022	Reductive amination of aldehyde and ketone compounds , Gabriel phthalimide reaction Hoffmann bromamide reaction
12.04.2022	Electrophilic aromatic substitution in aryl amines, reaction of amine with nitrous acid
13.04.2022	
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	
16.04.2022	
17.04.2022	<b>SUNDAY</b>
18.04.2022	Test or Assignment
19.04.2022	<b>Unit 3</b> Diazonium salts :Mechanism of diazotization structure of benzene diazonium chloride
20.04.2022	
21.04.2022	
22.04.2022	
23.04.2022	
24.04.2022	<b>SUNDAY</b>
25.04.2022	Replacement of diazo group by H,F ,Cl, Br, I ,NO <sub>2</sub> and CN groups , Reaction of diazonium salt to hydrazines, coupling reaction and its synthetic application
26.04.2022	Test or Assignment
27.04.2022	
28.04.2022	
29.04.2022	
30.04.2022	
01.05.2022	<b>SUNDAY</b>
02.05.2022	Nitro compounds : preparation of nitroalkanes and nitroarenes and their chemical reaction
03.05.2022	<b>ID UL FITR</b>
04.05.2022	

05.05.2022	
06.05.2022	
07.05.2022	
08.05.2022	<b>SUNDAY</b>
09.05.2022	Mechanism of electrophilic substitution reactions in nitro arenes and their reduction in acidic ,neutral and alkaline medium
10.05.2022	Test or Assignment
11.05.2022	
12.05.2022	
13.05.2022	
14.05.2022	
15.05.2022	<b>SUNDAY</b>
16.05.2022	Test
17.05.2022	Doubt Class
18.05.2022	
19.05.2022	
20.05.2022	
21.05.2022	
22.05.2022	<b>SUNDAY</b>
23.05.2022	Unit 4 : Aldehydes and ketones nomenclature and structure of carbon in group ,synthesis of aldehydes and ketones with particular reference to the synthesis of aldehydes from acid chlorides
24.05.2022	advantage of oxidation of alcohol with chromium trioxide , pyridinium,chlorochromate and pyridinium dichromate
25.05.2022	
26.05.2022	
27.05.2022	
28.05.2022	
29.05.2022	<b>SUNDAY</b>
30.05.2022	comparison of reactivities of aldehydes and ketones ,mechanism of nucleophilic addition to carbonyl group with particular emphasis on benzoin ,aldol, perkin andknoevenzel condensation
31.05.2022	Continued..
01.06.2022	
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>

03.06.2022	
04.06.2022	
05.06.2022	<b>SUNDAY</b>
06.06.2022	Oxidation of aldehydes ,oxidation of ketones,
07.06.2022	
08.06.2022	Bayer- villiger oxidation of ketones, cannizzaro reaction
09.06.2022	
10.06.2022	
11.06.2022	
12.06.2022	<b>SUNDAY</b>
13.06.2022	
14.06.2022	
15..63.2022	
16.06.2022	
17.06.2022	
18.06.2022	
19.06.2022	<b>SUNDAY</b>
20.06.2022	MPV, clemmensen , wolf-kishner
21.06.2022	LiAlH <sub>4</sub> , and NaBH <sub>4</sub> reductions
22.06.2022	
23.06.2022	
24.06.2022	<b>Test</b>
25.06.2022	<b>Revision</b>
26.06.2022	<b>SUNDAY</b>
27.06.2022	Test and assignment
28.06.2022	Revision class
29.06.2022	
30.06.2022	

<b>Name of the Assistant Professor</b>	<b>:Ms. Kajal Gaur</b>
<b>Class and Section</b>	<b>: B.Sc Medical 2<sup>nd</sup> Sem. Sec- B</b>
<b>Subject</b>	<b>: Organic Chemistry</b>
<b>Mode of Teaching</b>	<b>: Offline</b>
	<b>Lecture per week : 2</b>
<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
21.03.2022	
22.03.2022	
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	<b>Unit 1 -Alkenes</b> : IUPAC naming, preparation of alkenes, chemical reactions of alkenes, mechanism of hydrogenation
25.03.2022	
26.03.2022	
27.03.2022	<b>SUNDAY</b>
28.03.2022	
29.03.2022	
30.03.2022	Physical properties and relative stability of alkenes, electrophilic and free radical addition ,markovnikoff's rule
31.03.2022	Hydroboration and oxidation, oxymercuration and reduction
01.04.2022	
02.04.2022	
03.04.2022	<b>SUNDAY</b>
04.04.2022	
05.04.2022	
06.04.2022	Ozonolysis and hydration, hydroxylation and oxidation with KMnO <sub>4</sub>
07.04.2022	Revision
08.04.2022	
09.04.2022	
10.04.2022	<b>SUNDAY</b>
11.04.2022	



12.04.2022	
13.04.2022	
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	
16.04.2022	
17.04.2022	<b>SUNDAY</b>
18.04.2022	
19.04.2022	
20.04.2022	<b>Chapter 2 : ARENES AND AROMATICITY</b> IUPAC naming, aromaticity, huckel rule ,aromatic ions
21.04.2022	Mechanism of Halogenation, sulphonation, nitration and friedel craft reaction diagram
22.04.2022	
23.04.2022	
24.04.2022	<b>SUNDAY</b>
25.04.2022	
26.04.2022	
27.04.2022	Activating deactivating substituents and orientation
28.04.2022	Revision class and assignment
29.04.2022	
30.04.2022	
01.05.2022	<b>SUNDAY</b>
02.05.2022	
03.05.2022	<b>ID UL FITR</b>
04.05.2022	<b>Chapter 3 : DIENES AND ALKYNES</b> IUPAC naming ,classification of dienes ,structure of butadiene
05.05.2022	Chemical reaction 1-2 and 1-4 addition
06.05.2022	
07.05.2022	
08.05.2022	<b>SUNDAY</b>

09.05.2022	
10.05.2022	
11.05.2022	Diels Alder reaction
12.05.2022	Revision and assignment
13.05.2022	
14.05.2022	
15.05.2022	<b>SUNDAY</b>
16.05.2022	
17.05.2022	
18.05.2022	<b>Alkynes</b> : IUPAC naming structure and bonding in alkynes
19.05.2022	Methods of formation of alkynes
20.05.2022	
21.05.2022	
22.05.2022	<b>SUNDAY</b>
23.05.2022	
24.05.2022	
25.05.2022	Chemical reactions of alkynes, acidity of alkynes
26.05.2022	Mechanism of electrophilic and nucleophilic addition reactions
27.05.2022	
28.05.2022	
29.05.2022	<b>SUNDAY</b>
30.05.2022	
31.05.2022	
01.06.2022	<b>Chapter 4 : ALKYL AND ARYL HALIDES</b> IUPAC naming and classification of alkyl halide , methods of formation with chemical reaction
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	
04.06.2022	
05.06.2022	<b>SUNDAY</b>
06.06.2022	
08.06.2022	Mechanism and stereochemistry of SN1 and SN2 reactions with energy profile diagram

09.06.2022	Methods of formation and reactions of aryl halides with mechanism
10.06.2022	
11.06.2022	
12.06.2022	<b>SUNDAY</b>
13.06.2022	
14.06.2022	
15.06.2022	Relative reactivities of alkyl, allyl, vinyl and aryl halides
16.06.2022	Test and assignment
17.06.2022	
18.06.2022	
19.06.2022	<b>SUNDAY</b>
20.06.2022	
21.06.2022	
22.06.2022	Revision class
23.06.2022	Doubt Class
24.06.2022	<b>Test</b>
25.06.2022	<b>Revision</b>
26.06.2022	<b>SUNDAY</b>
27.06.2022	
28.06.2022	
29.06.2022	Revision of whole syllabus
30.06.2022	Test of whole syllabus

<b>Name of the Assistant Professor</b>	<b>:Ms. Kajal Gaur</b>
<b>Class and Section</b>	<b>: B.Sc Medical 2<sup>nd</sup> Sem. Sec- A</b>
<b>Subject</b>	<b>: Organic Chemistry</b>
<b>Mode of Teaching</b>	<b>: Offline</b>
	<b>Lecture per week : 2</b>
<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
21.03.2022	
22.03.2022	

23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	<b>Unit 1 -Alkenes :</b> IUPAC naming, preparation of alkenes, chemical reactions of alkenes, mechanism of hydrogenation
25.03.2022	
26.03.2022	
27.03.2022	<b>SUNDAY</b>
28.03.2022	
29.03.2022	
30.03.2022	Physical properties and relative stability of alkenes, electrophilic and free radical addition ,markovnikoff's rule
31.03.2022	Hydroboration and oxidation, oxymercuration and reduction
01.04.2022	
02.04.2022	
03.04.2022	<b>SUNDAY</b>
04.04.2022	
05.04.2022	
06.04.2022	Ozonolysis and hydration, hydroxylation and oxidation with KMnO <sub>4</sub>
07.04.2022	Revision
08.04.2022	
09.04.2022	
10.04.2022	<b>SUNDAY</b>
11.04.2022	
12.04.2022	
13.04.2022	
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	
16.04.2022	
17.04.2022	<b>SUNDAY</b>
18.04.2022	
19.04.2022	

20.04.2022	<b>Chapter 2 : ARENES AND AROMATICITY</b> IUPAC naming, aromaticity, huckel rule ,aromatic ions
21.04.2022	Mechanism of Halogenation, sulphonation, nitration and friedel craft reaction diagram
22.04.2022	
23.04.2022	
24.04.2022	<b>SUNDAY</b>
25.04.2022	
26.04.2022	
27.04.2022	Activating deactivating substituents and orientation
28.04.2022	Revision class and assignment
29.04.2022	
30.04.2022	
01.05.2022	<b>SUNDAY</b>
02.05.2022	
03.05.2022	<b>ID UL FITR</b>
04.05.2022	<b>Chapter 3 : DIENES AND ALKYNES</b> IUPAC naming ,classification of dienes ,structure of butadiene
05.05.2022	Chemical reaction 1-2 and 1-4 addition
06.05.2022	
07.05.2022	
08.05.2022	<b>SUNDAY</b>
09.05.2022	
10.05.2022	
11.05.2022	Diels Alder reaction
12.05.2022	Revision and assignment
13.05.2022	
14.05.2022	
15.05.2022	<b>SUNDAY</b>
16.05.2022	

17.05.2022	
18.05.2022	<b>Alkynes</b> : IUPAC naming structure and bonding in alkynes
19.05.2022	Methods of formation of alkynes
20.05.2022	
21.05.2022	
22.05.2022	<b>SUNDAY</b>
23.05.2022	
24.05.2022	
25.05.2022	Chemical reactions of alkynes, acidity of alkynes
26.05.2022	Mechanism of electrophilic and nucleophilic addition reactions
27.05.2022	
28.05.2022	
29.05.2022	<b>SUNDAY</b>
30.05.2022	
31.05.2022	
01.06.2022	<b>Chapter 4 : ALKYL AND ARYL HALIDES</b> IUPAC naming and classification of alkyl halide , methods of formation with chemical reaction
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	
04.06.2022	
05.06.2022	<b>SUNDAY</b>
06.06.2022	
08.06.2022	Mechanism and stereochemistry of SN1 and SN2 reactions with energy profile diagram
09.06.2022	Methods of formation and reactions of aryl halides with mechanism
10.06.2022	
11.06.2022	
12.06.2022	<b>SUNDAY</b>
13.06.2022	
14.06.2022	
15..63.2022	Relative reactivities of alkyl ,allyl,vinyl and aryl halides
16.06.2022	Test and assignment

<b>17.06.2022</b>	
<b>18.06.2022</b>	
<b>19.06.2022</b>	<b>SUNDAY</b>
<b>20.06.2022</b>	
<b>21.06.2022</b>	
<b>22.06.2022</b>	Revision class
<b>23.06.2022</b>	Doubt Class
<b>24.06.2022</b>	<b>Test</b>
<b>25.06.2022</b>	<b>Revision</b>
<b>26.06.2022</b>	<b>SUNDAY</b>
<b>27.06.2022</b>	
<b>28.06.2022</b>	
<b>29.06.2022</b>	Revision of whole syllabus
<b>30.06.2022</b>	Test of whole syllabus

**Name of the Assistant/Associate Professor: Ms. Komal Chauhan**  
**Class And Section: B.Sc. (N.M) 6 th sem , Section A**  
**Subject: Nuclear Physics**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Introduction of nuclear structure and nuclei
25.3.2022	Physics practical
26.3.2022	Physics practical
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	Nuclear structure and properties of nucleus.
1.4.2022	Rutherford alpha particle scattering experiment
2.4.2022	Derivation of determination of size of nucleus.
3.4.2022	SUNDAY
5.4.2022	
6.4.2022	
7.4.2022	Theory of composition of nucleus
8.4.2022	Composition of nucleus
9.4.2022	Composition of nucleus
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI



15.4.2022	
16.4.2022	Proton - Electron hypothesis
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	Class test
22.4.2022	Proton-Neutron hypothesis
23.4.2022	Proton -Neutron hypothesis
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Properties of nucleus
29.4.2022	Properties of nucleus
30.4.2022	Properties of nucleus
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	Mass defect and binding energy of nucleus
06.5.2022	Nuclear binding energy
07.5.2022	Nuclear stability
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	

12.5.2022	Bainbridge mass spectrograph
13.5.2022	Bainbridge and Jordon double focussing mass spectrograph
14.5.2022	X- Ray spectra and it's characteristics
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	Mosley's law
20.5.2022	Expression for energy loss of heavy charged particles in matter
21.5.2022	Energy loss of heavy charged particles in matter
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	Alpha disintegration and it's theory
27.5.2022	Quantum mechanical explanation of alpha decay
28.5.2022	Range , straggling of alpha particles,Energy of alpha decay
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Geiger-Nuttal law and interaction of beta particles with matter
4.6.2022	Continuous beta ray spectrum, energy of beta decay
5.6.2022	SUNDAY

6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	Gamma radiations and absorption of Gamma rays
10.6.2022	Nuclear fission ,fusion and chain reaction
11.6.2022	SUNDAY
12.6.2022	
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	Particle accelerator and it's types
17.6.2022	Tendem and linear accelerator
18.6.2022	SUNDAY
19.6.2022	
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	Cyclotron , betatron
24.6.2022	Gass filled detector. And ionisation chamber
25.6.2022	SUNDAY
26.6.2022	
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	Proportional counter , scintillation counter



**Name of the Assistant/Associate Professor: Ms. Komal chauhan**  
**Class And Section: B.Sc.(N.M) 6 th sem , section B**  
**Subject: Nuclear Physics**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	Introduction of nuclear physics
30.3.2022	Introduction of nuclear physics
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	Nuclear structure and properties of nucleus
5.4.2022	Rutherford alpha particle scattering experiment, determine size of nucleus
6.4.2022	Composition of nucleus
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	Get together party
12.4.2022	Proton - electron hypothesis
13.4.2022	Proton neutron hypothesis
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Mass defect and binding energy of nucleus
19.4.2022	Nuclear stability and nuclear binding energy
20.4.2022	Bainbridge mass spectrograph and double focussing mass spectrograph
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	X Ray spectra and it's characteristics, mosley's law
26.4.2022	Energy loss of heavy charged particle in matter
27.4.2022	Alpha disintegration theory
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Range , straggling and energy of alpha particle
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Geiger nuttal law and interaction of beta particles and energy of beta particles
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Nuclear fission , fusion and chain reaction
10.5.2022	Particle accelerator and tandem accelerator
11.5.2022	Linear accelerator , cyclotron
12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	Betatron, gas filled detector

17.5.2022	Ionisation chamber, proportional counter
18.5.2022	Scintillation counter
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Revision of ionisation chamber, scintillation counter
24.5.2022	Revision of Bain bridge mass spectrograph , double mass focussing mass spectrograph
25.5.2022	Revision of beta decay and energy of beta decay
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Revision of alpha disintegration theory and energy of alpha decay
31.5.2022	Revision of Gamma decay and energy of Gamma decay
01.6.2022	Geiger nuttal law derivation
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Gas filled detector
7.6.2022	Ionisation chamber
8.6.2022	Proportional counter
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Scintillation counter
14.6.2022	Tendem accelerator
15.6.2022	Linear accelerator
16.6.2022	
17.6.2022	

18.6.2022	SUNDAY
19.6.2022	
20.6.2022	Cyclotron and betatron
21.6.2022	Revision of nuclear reaction
22.6.2022	Revision of Gamma radiations and energy of Gamma
23.6.2022	
24.6.2022	
25.6.2022	SUNDAY
26.6.2022	
27.6.2022	Revision of alpha disintegration theory
28.6.2022	Revision of beta theory
29.6.2022	Revision of unit 2
30.6.2022	





**Name of the Assistant/Associate Professor: Ms. Anita**

**Class And Section: B.Sc. M 6<sup>th</sup> Sem Sec A**

**Subject: Inorganic Chemistry**

**Mode Of Teaching: Offline**

**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Introduction to Organometallic Compounds and it's Types
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	Classification of ligands and Effective atomic number.
31.3.2022	Nomenclature of organometallic compounds and their Bonding
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	Organolithium compounds : Preparation, Reactions and Structure
7.4.2022	Organotin compounds : Preparation, Reactions and Structure
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	Organoaluminium compounds : Preparation, Reactions and Structure
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	Organomercury compounds : Preparation, Reactions and Structure
21.4.2022	Metal alkene complexes and their Bonding
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	Metal carbonyls : Preparation, Reactions, Bonding
28.4.2022	Acids and Bases - Different Concepts
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Relative Strength of Acids and Bases
05.5.2022	Test of Organometallic Chemistry
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	Effect of substituents on acidic/basic strength
12.5.2022	HSAB concept of Acids and Bases
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>

16.5.2022	
17.5.2022	
18.5.2022	Effect of Electronegativity and effect of Solvent
19.5.2022	Revision of Acids and Bases unit
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	Bioinorganic chemistry - Myoglobin and hemoglobin
26.5.2022	Cooperative effect and Bohr effect
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	Sodium-Potassium Pump
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	Essential elements and Nitrogen Fixation
9.6.2022	Test of Hemoglobin and Myoglobin
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	

15.6.2022	Preparation and structure of Silicones
16.6.2022	Silicone properties, silicone fluids, silicone elastomers
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	Phosphazenes - Preparation and properties
23.6.2022	Test
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	Revision
30.6.2022	Revision



**Name of the Assistant/Associate Professor: Ms. Anita**

**Class And Section: B.Sc. M 2<sup>nd</sup> Sem Sec A**

**Subject: Physical Chemistry**

**Mode Of Teaching: Offline**

**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22.3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	<b>Kinetics-I:</b> Rate of reaction and rate equation
26.3.2022	Factors affecting the rate of reaction – concentration, temperature, pressure, solvent, light and catalyst
27.3.2022	<b>SUNDAY</b>
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	Order of reaction, integrated rate expression for zero order and first order and its half life period
2.4.2022	Integrated rate expression for first order and 2 <sup>nd</sup> order and its half life period
3.4.2022	<b>SUNDAY</b>
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	methods of determination of order of reaction and numericals practice
9.4.2022	Test of Chapter 1
10.4.2022	<b>SUNDAY</b>
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	<b>Kinetics-II:</b> Effect of temperature on rate of reaction- Arrhenius equation and numerical practice
16.4.2022	Theories of reaction rate- simple collision theory for unimolecular collision
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Collision theories for bimolecular and Unimolecular collision
23.4.2022	Transition state theory of bimolecular reaction
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	Test Of Kinetics II
30.4.2022	<b>Electrochemistry:</b> Introduction, electrolytic conduction and factor affecting electrolytic conduction
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Specific conductance , molar conductance, and equivalent conductance and relationship among them
07.5.2022	Variation of equivalent, molar and specific conductance with concentration
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	
13.5.2022	Arrhenius theory of ionization , Ostwald's law of dilution
14.5.2022	Test
15.5.2022	<b>SUNDAY</b>
16.5.2022	



17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Debye Huckel Onsager's equation for strong electrolyte
21.5.2022	Definition of Transport number and determination by hittorfs methods
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Kohlrausch's law , calculation of molar ionic conductance
28.5.2022	Effect of viscosity , temperature and pressure on molar ionic conductance, application of Kohlrausch's law
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Application of conductivity measurements: determination of degree of dissociation, determination of $K_a$ of acids
4.6.2022	Determination of solubility product of sparingly soluble salt
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	Conductometric titration
11.6.2022	Definition of pH and $pK_a$ , Buffer solution, buffer action
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	

16.6.2022	
17.6.2022	Henderson- Hazel equation, buffer mechanism of buffer action
18.6.2022	Test of electrochemistry
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Revision
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	



<b>Name of the Assistant/Associate Professor: Ms. Anita</b> <b>Class And Section: B.Sc. M 2<sup>nd</sup> Sem Sec B</b> <b>Subject: Physical Chemistry</b> <b>Mode Of Teaching: Offline</b> <b>Lectures Per Week: 2</b>	
Date	Topic To Be Covered
21.3.2022	<b>Kinetics-I:</b> Rate of reaction and rate equation
22..3.2022	Factors affecting the rate of reaction – concentration, temperature , pressure, solvent, light and catalyst
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Order of reaction, integrated rate expression for zero order and first oreder and its half life period
29.3.2022	Integrated rate expression for first order and 2 <sup>nd</sup> order and its half life period
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	methods of determination of order of reaction and numericals practice
5.4.2022	Test of Chapter 1
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	<b>Kinetics-II:</b> Effect of temperature on rate of reaction- Arrhenius equation and numerical practice
12.4.2022	Theories of reaction rate- simple collision theory for unimolecular collision
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Collision theories for bimolecular and Unimolecular collision
19.4.2022	Transition state theory of bimolecular reaction
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Test Of Kinetics II
26.4.2022	<b>Electrochemistry:</b> Introduction, electrolytic conduction and factor affecting electrolytic conduction
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Specific conductance , molar conductance, and equivalent conductance and relationship among them
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Variation of equivalent, molar and specific conductance with concentration
10.5.2022	Arrhenius theory of ionization , Ostwald's law of dilution
11.5.2022	
12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	Test

17.5.2022	Debye Huckel Onsager's equation for strong electrolyte
18.5.2022	
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Definition of Transport number and determination by hittorfs methods
24.5.2022	Kohlrausch's law , calculation of molar ionic conductance
25.5.2022	
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Effect of viscosity , temperature and pressure on molar ionic conductance, application of Kohlrausch's law
31.5.2022	Application of conductivity measurements: determination of degree of dissociation, determination of $K_a$ of acids
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Determination of solubility product of sparingly soluble salt
7.6.2022	Conductometric titration
8.6.2022	
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Definition of pH and $pK_a$ , Buffer solution, buffer action
14.6.2022	Henderson- Hazel equation, buffer mechanism of buffer action
15.6.2022	
16.6.2022	

17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Test of electrochemistry
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Revision
28.6.2022	Revision
29.6.2022	
30.6.2022	





**Name of the Assistant/Associate Professor: Ms. JASVINDER KAUR**

**Class And Section: B.SC(NON-MED) – 1<sup>ST</sup> YEAR 2<sup>ND</sup> SEM, SEC-A**

**Subject: PROPERTIES OF MATTER, KINETIC THEORY AND RELATIVITY, PHY- 201**

**Mode Of Teaching: Offline**

**Lectures Per Week: 3**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction to syllabus
22..3.2022	Elasticity, Hooke's law
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	<b>SUNDAY</b>
28.3.2022	Elastic constants and their relations
29.3.2022	Poisson's ratio
30.3.2022	Torsion of cylinder and twisting couple
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	<b>SUNDAY</b>
4.4.2022	Bending of beam (bending moment and its magnitude) cantilevers
5.4.2022	Centrally loaded beam.
6.4.2022	Centrally loaded beam at different Points
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	<b>SUNDAY</b>
11.4.2022	Questions for Revision, Doubts
12.4.2022	Assignment
13.4.2022	Test
14.4.2022	
15.4.2022	

16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Assumptions of Kinetic Theory of gases
19.4.2022	Law of equipartition of energy
20.4.2022	Law of equipartition of energy and its applications for specific heats of gases
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Maxwell distribution of speeds
26.4.2022	Maxwell distribution of velocities
27.4.2022	Experimental verification of Maxwell's Law of speed distribution
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Most probable speed
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Average speed, R.m.s. speed, Mean free path
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Transport of energy
10.5.2022	Transport of momentum
11.5.2022	Diffusion of gases
12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	Brownian motion
17.5.2022	Real gases

18.5.2022	Van der Waal's equation
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	<b>SUNDAY</b>
23.5.2022	Doubts
24.5.2022	Assignment
25.5.2022	Introduction to Theory of Relativity
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	<b>SUNDAY</b>
30.5.2022	Reference systems
31.5.2022	Inertial frames
01.6.2022	Test
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	
4.6.2022	
5.6.2022	<b>SUNDAY</b>
6.6.2022	Galilean invariance and Conservation laws
7.6.2022	Newtonian relativity principle
8.6.2022	Michelson - Morley experiment
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	<b>SUNDAY</b>
13.6.2022	Lorentz transformations length contraction
14.6.2022	Time dilation
15.6.2022	Velocity addition theorem
16.6.2022	
17.6.2022	
18.6.2022	

19.6.2022	<b>SUNDAY</b>
20.6.2022	Variation of mass with velocity
21.6.2022	Variation of mass with mass energy equivalence
22.6.2022	Assignment, Revision
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	<b>SUNDAY</b>
27.6.2022	Revision, Doubts class
28.6.2022	Test
29.6.2022	Revision
30.6.2022	



**Name of the Assistant/Associate Professor: Ms. JASVINDER KAUR**

**Class And Section: B.SC(NON-MED) – 1<sup>ST</sup> YEAR 2<sup>ND</sup> SEM, SEC-A**

**Subject: ELECTRO MAGNETIC INDUCTION AND ELECTRONIC DEVICES, PHY- 202**

**Mode Of Teaching: Offline**

**Lectures Per Week: 3**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Introduction to the syllabus
25.3.2022	Growth and decay of current in a circuit with (a) Capacitance and resistance
26.3.2022	Growth and decay of current in a circuit with (b) resistance and inductance
27..3.2022	<b>SUNDAY</b>
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	Growth and decay of current in a circuit with (c) Capacitance and inductance
1.4.2022	Growth and decay of current in a circuit with (d) Capacitance resistance and inductance.
2.4.2022	Growth and decay of current in a circuit with (d) Capacitance resistance and inductance.
3.4.2022	<b>SUNDAY</b>
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	AC circuit analysis using complex variables with (a) capacitance and resistance
8.4.2022	AC circuit analysis using complex variables with (b) resistance and inductance
9.4.2022	AC circuit analysis using complex variables with (c) capacitance and inductance
10.4.2022	<b>SUNDAY</b>
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.4.2022	AC circuit analysis using complex variables with (d) capacitance, inductance and resistance

16.4.2022	Series and parallel resonant circuit
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	Quality factor (Sharpness of resonance), Assignment
22.4.2022	Energy bands in solids
23.4.2022	Intrinsic and extrinsic semiconductor
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Hall effect , P-N junction diode and their V-I characteristics.
29.4.2022	Zener and avalanche breakdown
30.4.2022	Resistance of a diode , Test
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	Light Emitting diodes (LED)
06.5.2022	Photo conduction in semiconductors
07.5.2022	Photodiode, Solar Cell.
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	Diode Rectifiers: P-N junction half wave and full wave rectifier
13.5.2022	Types of filter circuits (L and R with theory)
14.5.2022	Zener diode as voltage regulator
15.5.2022	<b>SUNDAY</b>
16.5.2022	
17.5.2022	

18.5.2022	
19.5.2022	Simple regulated power supply
20.5.2022	Transistors: Junction Transistors, Bipolar transistors
21.5.2022	Working of NPN and PNP transistors
22.5.2022	<b>SUNDAY</b>
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	Transistor connections (C-B, C-E, C-C mode), constants of transistor
27.5.2022	Transistor connections (C-B, C-E, C-C mode), constants of transistor
28.5.2022	Transistor characteristic curves
29.5.2022	<b>SUNDAY</b>
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Advantage of C-B configuration, Test
4.6.2022	C.R. O. (Principle, construction and working)
5.6.2022	<b>SUNDAY</b>
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	Assignment
10.6.2022	Transistor Amplifiers : Transistor biasing, methods of Transistor biasing and stabilization
11.6.2022	D.C. load line. Common-base and common-emitter transistor biasing
12.6.2022	<b>SUNDAY</b>
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	Common-base, common - emitter amplifiers, Test
17.6.2022	Classification of amplifiers
18.6.2022	Resistance-capacitance (R-C) coupled amplifier (two stage; concept of band width, no derivation)



19.6.2022	<b>SUNDAY</b>
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	Feed-back in amplifiers, advantage of negative feedback Emitter follower
24.6.2022	Oscillators: Oscillators, Principle of Oscillation, Classification of Oscillator
25.6.2022	Condition for self-sustained oscillation: Barkhausen Criterion for oscillations
26.6.2022	<b>SUNDAY</b>
27.6.2022	
28.6.2022	Tuned collector common emitter oscillator, Hartley oscillator. Colpitts's oscillator
29.6.2022	Assignment, Revision
30.6.2022	Test



**Name of the Assistant/Associate Professor: Ms. JASVINDER KAUR**

**Class And Section: B.SC(NON-MED)- 2<sup>ND</sup> YEAR (SEC-A) SEM  
4<sup>TH</sup>**

**Subject: STATISTICAL PHYSICS (PHY-401)**

**Mode Of Teaching: Offline**

**Lectures Per Week: 3**

Date	Topic To Be Covered
21.3.2022	Introduction to the syllabus
22..3.2022	Introduction to Probability
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	<b>SUNDAY</b>
28.3.2022	Some probability considerations
29.3.2022	Combination possessing maximum probability
30.3.2022	Combination possessing minimum probability
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	<b>SUNDAY</b>
4.4.2022	Numerical, doubts
5.4.2022	Test, Assignment
6.4.2022	Distribution of molecules in two Boxes
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	<b>SUNDAY</b>
11.4.2022	Distribution of molecules in more than two boxes
12.4.2022	Cases with weightage (general), Numerical
13.4.2022	Microstates and microstates of a system of particles
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.4.2022	

16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Thermodynamic Probability, Constraints and accessible states
19.4.2022	Inaccessible states, least probable states, Doubts
20.4.2022	Binomial theorem of probability, Stirling 's Approximation
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Successive and simultaneous events, Phase space
26.4.2022	Static and dynamic system
27.4.2022	Written test, doubts
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Macrostate ,microstate, Postulate of statistical physics
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Volume of phase space cell
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Bose Einstein condensation, Degeneracy
10.5.2022	Fermi Dirac statistics
11.5.2022	Continuum limit, Fermi Dirac statistics
12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	Black body radiation law, Bose Einstein gas
17.5.2022	Determination of Fermi energy at temperature other than absolute zero

18.5.2022	Degeneracy of Fermi gas
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	<b>SUNDAY</b>
23.5.2022	Electron gas in metals and its solution
24.5.2022	Specific heat in metals and its solution
25.5.2022	Examples, Revision, assignment
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	<b>SUNDAY</b>
30.5.2022	Number of phase space cell in the momentum interval $p$ and $p+dp$
31.5.2022	Condition of equilibrium between the two systems in thermal contact-Beta parameter
01.6.2022	Boltzmann's entropy relation
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	
4.6.2022	
5.6.2022	<b>SUNDAY</b>
6.6.2022	Three kinds of statistics
7.6.2022	Basic approach of three statistics, Boltzmann's distribution law, Bose Einstein gas
8.6.2022	Phase space, beta parameter
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	<b>SUNDAY</b>
13.6.2022	Beta parameter, Determination of beta, Classical versus quantum statistics, identical particles
14.6.2022	Bose-Einstein statistics, Black body radiation
15.6.2022	Application of B-E statistics to Planck's radiation law
16.6.2022	
17.6.2022	
18.6.2022	

19.6.2022	<b>SUNDAY</b>
20.6.2022	Maxwell-Boltzmann distribution as a limiting case of B-E distribution
21.6.2022	Assignment
22.6.2022	Doubts, Test
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	<b>SUNDAY</b>
27.6.2022	Revision
28.6.2022	Revision
29.6.2022	Revision
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms. Ranjana**

**ClassAndSection: B.Sc Biotech II Semester**

**Subject: Physical Chemistry BT- 205**

**ModeOfTeaching:Offline**

**LecturesPer Week:02**

<b>Date</b>	<b>TopicToBeCovered</b>
21.3.2022	
22.3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	Introduction of Chemical Kinetics -I
26.3.2022	Rate of reaction , Rate equation of Chemical Kinetics
27.3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	factors influencing the rate of a reaction – concentration , temperature, pressure, solvent, light,catalyst
2.4.2022	Order of a reaction, integrated rate expression for zero order reaction
3.4.2022	SUNDAY
4.4.2022	

5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	integrated rate expression for first order reaction
9.4.2022	integrated rate expression for second order reaction & Assignment
10.4.2022	<b>SUNDAY</b>
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI
15.4.2022	integrated rate expression for third order reaction
16.4.2022	Test
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Half life period of a reaction. Methods of determination of order of reaction
23.4.2022	Effect of temperature on the rate of reaction – Arrhenius equation
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	Theories of reaction rate – Simple collision theory for uni molecular reaction
30.4.2022	Theories of reaction rate – Simple collision theory for bimolecular reaction
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	



06.5.2022	Transition state theory of Bimolecular reactions. Electrolytic conduction, factors affecting them
07.5.2022	Relation among electrolytic conduction, specific conductance, molar conductance, equivalent conductance and their variation with concentration
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
13.5.2022	Arrhenius theory of ionization
14.5.2022	Ostwald's Dilution Law & Assignment
15.5.2022	<b>SUNDAY</b>
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Debye-Huckel – Onsager's equation for strong electrolytes (elementary treatment only)
21.5.2022	Transport number, definition and determination by Hittorf's methods
22.5.2022	<b>SUNDAY</b>
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Test
28.5.2022	Kohlrausch's Law, calculation of molar ionic conductance and effect of viscosity temperature & pressure on it.
29.5.2022	<b>SUNDAY</b>
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Application of Kohlrausch's Law in calculation of conductance of weak electrolytes at infinite dilution
4.6.2022	Applications of conductivity measurements: determination of degree of dissociation
5.6.2022	<b>SUNDAY</b>

6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	determination of $K_a$ of acids determination of solubility product of sparingly soluble salts, conductometric titrations
11.6.2022	Definition of pH and $pK_a$ , Buffer solution, Buffer action
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	Henderson – Hazel equation, Buffer mechanism of buffer action.
18.6.2022	Revision
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Revision & Doubt
25.6.2022	Revision & Doubt
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	

**Name of the Assistant/Associate Professor: Ms. Sudha**  
**ClassAndSection: B.Sc Biotech VI sem**  
**Subject: Organic chemistry ( BT-606)**  
**ModeOfTeaching: Offline**  
**LecturesPer Week: 2**

Date	TopicToBeCovered
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21.3.2022	
22.3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Introduction: Molecular orbital picture and aromatic characteristics of pyrrole, furan.
25.3.2022	.
26.3.2022	Introduction: Molecular orbital picture and aromatic characteristics of thiophene and pyridine
27.3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	Methods of synthesis
1.4.2022	
2.4.2022	chemical reactions with particular emphasis on the mechanism of electrophilic substitution.
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	Mechanism of nucleophilic substitution reactions in pyridine derivatives
8.4.2022	.
9.4.2022	Comparison of basicity of pyridine, piperidine and pyrrole
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI

15.4.2022	
16.4.2022	Revision & assignment given on pyrrole and Furan
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	Introduction to condensed five and six- membered heterocycles
22.4.2022	
23.4.2022	TEST
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Preparation of indole, quinoline and isoquinoline by Fisher indole synthesis, Skraup synthesis and Bischler-Napieralski synthesis
29.4.2022	
30.4.2022	Reactions of indole, quinoline and isoquinoline
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	Mechanism of electrophilic substitution reactions of quinoline and isoquinoline
06.5.2022	
07.5.2022	Revision of Heterocyclic compounds II
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	Nomenclature, structural features, Methods of formation of thiols, thioethers, sulphonic acids, sulphonamides and sulphaguanidine

13.5.2022	
14.5.2022	Chemical reactions of thiols, thioethers, sulphonic acids, sulphonamides and sulphaguanidine
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	Synthetic detergents alkyland aryl sulphonates.
20.5.2022	
21.5.2022	Test of Heterocyclic compounds
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	Acidity of -hydrogens, alkylation of diethyl malonate and ethyl Acetoacetate and the Claisen condensation. Keto-enol tautomerism of ethyl acetoacetate
27.5.2022	
28.5.2022	Addition or chain-growth polymerization. Free radical vinyl Polymerization And assignment given on Enolat
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	Ionic vinyl polymerization, Ziegler-Natta polymerization and vinyl polymers. Condensation or step growth polymerization. Polyesters , Polyamides
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	

9.6.2022	phenol formaldehyde resins, urea formaldehyde resins, epoxy resins and polyurethanes, Natural and synthetic rubbers
10.6.2022	
11.6.2022	TEST OF SYNTHETIC POLYMERS
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	Classification, of amino acids. Acid-base behavior, isoelectric point and electrophoresis. Preparation of $\alpha$ -amino acids, structure, classification of Proteins.
17.6.2022	
18.6.2022	Peptide structure determination, end group analysis, selective hydrolysis of peptides. Classical peptide synthesis, solid-phase peptide synthesis.
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	Structures of peptides and proteins: Primary & Secondary structure.
24.6.2022	
25.6.2022	TEST AND DOUBT CLASS
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	REVISION

**Name of the Assistant/Associate Professor: Ms. Sudha**

**Class And Section: B.Sc Biotech IV sem**

**Subject: Inorganic chemistry (BT-407) Mode Of Teaching :Offline**

**Lectures Per Week:1**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22.3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	Introduction Chemistry of f – block elements
26.3.2022	
27.3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	Lanthanides Electronic structure & Lanthanides oxidation states and ionic radii
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	lanthanide contraction, complex formation
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI
15.4.2022	occurrence and isolation, lanthanide compounds.

16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Test and assignment
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	General features and chemistry of actinides.
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	General features and chemistry of actinides.
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	



13.5.2022	chemistry of separation of and Am from U
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Comparison of properties of Lanthanides and Actinides.
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Comparison of properties of Lanthanides and Actinides and with transition elements.
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Revision
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	Test

11.6.2022	
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	Revision
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Revision
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	

**Name of the Assistant/Associate Professor: Ms. Indu Rani**  
**Class And Section: B.Sc. Medical 4<sup>th</sup> Sem. Section A and B**  
**Subject: Biology and diversity of seed Plants 2**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction about the syllabus.
22..3.2022	Taxonomy and some important terms related to taxonomy
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	<b>SUNDAY</b>
28.3.2022	Fundamental components of taxonomy
29.3.2022	Aims and objectives to study taxonomy
30.3.2022	Role of chemotaxonomy
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	<b>SUNDAY</b>
4.4.2022	Role of cytotaxonomy
5.4.2022	Role of numerical taxonomy / taximetrics
6.4.2022	Phenogram and Cladogram
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	<b>SUNDAY</b>
11.4.2022	Nomenclature, Principles and rules
12.4.2022	Principle of priority
13.4.2022	Type concept, different types in taxonomy
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Test
19.4.2022	Identification of plant, herbarium description
20.4.2022	Keys of identifications
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Systems of classification
26.4.2022	Bentham and Hookers system of classification
27.4.2022	Engler and Prantle system of classification
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Description of floral terms
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Description of floral terms
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Inflorescence and its types
10.5.2022	Test
11.5.2022	Explanation about the various parts of plant
12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	Explanation of floral diagram

17.5.2022	Description of Ranunculaceae
18.5.2022	Description of Brassicaceae
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	<b>SUNDAY</b>
23.5.2022	Description of Malvaceae
24.5.2022	Description of Euphorbiaceae
25.5.2022	Description of Rutaceae
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	<b>SUNDAY</b>
30.5.2022	Description of Fabaceae
31.5.2022	Description of cucurbitiaceae
01.6.2022	Description of Apiaceae
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	
4.6.2022	
5.6.2022	<b>SUNDAY</b>
6.6.2022	Description of Asclepediaceae
7.6.2022	Description of Lamiaceae
8.6.2022	Description of Solanaceae
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	<b>SUNDAY</b>
13.6.2022	Test
14.6.2022	Description of Asteraceae
15.6.2022	Description of Liliaceae
16.6.2022	
17.6.2022	

18.6.2022	
19.6.2022	<b>SUNDAY</b>
20.6.2022	Description of Liliaceae
21.6.2022	Description of Poaceae
22.6.2022	Revision
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	<b>SUNDAY</b>
27.6.2022	Test
28.6.2022	Revision
29.6.2022	Revision
30.6.2022	

**Name of the Assistant/Associate Professor: Ms. Priyanka Bhatia**  
**Class And Section: B.Sc Non Medical 6th sem Section A**  
**Subject: Organic Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Practical Exam
22..3.2022	Practical Exam
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Introduction to Heterocyclic Compounds
29.3.2022	Molecular Structure and aromatic characteristics of Pyrrole, furan and thiopene
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	<b>Methods of sythesis and chemical reactions</b>
5.4.2022	Emphasis on the mechanism of electrophilic subsitution
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	Introduction to Pyridine
12.4.2022	Mechanism of nucleophilic subsitution in pyridine
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI
15.4.2022	
16.4.2022	

17.4.2022	<b>SUNDAY</b>
18.4.2022	Comparison of basicity of pyridine, piperidine and pyrrole
19.4.2022	Introduction to five and six membered heterocycles
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Preparations reactions of indole such Fischer indole synthesis
26.4.2022	Skraup synthesis of quinoline and Bischler Napieralski synthesis of isoquinoline
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Chemical reactions of indole, quinoline and isoquinoline
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Mechanism of electrophilic substitution reactions
10.5.2022	Test of Unit-1
11.5.2022	
12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	Introduction to Organo sulphur compounds
17.5.2022	Methods of formation and chemical reactions of thiols
18.5.2022	



19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Thioether and sulphonic acids
24.5.2022	Sulphonamide and sulphaguanidine ,synthetic detergents
25.5.2022	
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Test of Unit-2,3
31.5.2022	Introductions to enolates ,acidity of alpha- hydrogens
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Alkylation of diethyl malonate and ethyl aceto acetate and synthesis of ethyl acetoacetate,the claisen condensation ,keto -enol tautomerism of ethyl aceto acetate
7.6.2022	Addition and condensation polymerisation,free radical ,ionic vinyl polymerisation and Ziegler natta polymerisation ,polyesters,polyamides , resins and polyurethanes
8.6.2022	
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	Classifications of amino acids and preparations of amino acids
14.6.2022	Structure and nomenclature of peptides and proteins
15.6.2022	
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY

20.6.2022	Classical peptide synthesis and solid phase peptides synthesis
21.6.2022	Structures of proteins :Primary and secondary structure
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Test of Unit -4
28.6.2022	Revision
29.6.2022	
30.6.2022	

**Name of the Assistant/Associate Professor: Ms.Priyanka Bhatia**  
**Class And Section: B.sc Medical 3rd SectionA**  
**Subject: Inorganic Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	Practical Exam
26.3.2022	Practical Exam
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	Introduction of lanthanides
2.4.2022	Electronic structure,oxidation states
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	Magnetic properties,complex formation
9.4.2022	Colour ,ionic radiiand lanthanide contraction
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Assignment of lanthanide
16.4.2022	Occurrence ,separation of Lanthanide compounds
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Test of Unit-1
23.4.2022	Characteristics of actinides
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	Chemistry of separation of Np,Pu and Am from uranium,transuranic elements
30.4.2022	Comparison of properties of lanthanides and actinides with transition elements
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Similarities between lanthanides and actinides
07.5.2022	Test of Unit-2
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	
13.5.2022	Introduction of Qualitative n Quantitative Analysis
14.5.2022	Chemistry of acidic n basic radicals
15.5.2022	<b>SUNDAY</b>
16.5.2022	

17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Solubility product, common ion effect
21.5.2022	Identification of Basic radical Group 1
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Group 2
28.5.2022	Group 3
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Group 4,5
4.6.2022	Chemistry of interference of acid radicals including their removal in the analysis of basic radicals
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	Theory of precipitation
11.6.2022	Co-precipitation ,post precipitation
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	Assignment of Basic radical

18.6.2022	Purification of precipitates.
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Chemistry of identification of acid radicals in typical combination
25.6.2022	Test of Unit-3
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	Revision
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms.Priyanka Bhatia**  
**Class And Section: B.sc Medical 3rd Section B**  
**Subject: Inorganic Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

Date	Topic To Be Covered
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Practical Exam
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	Introduction of lanthanides
31.3.2022	Electronic structure,oxidation states
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	Magnetic properties,complex formation
7.4.2022	Colour ,ionic radiiand lanthanide contraction
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	Assignment of lanthanide , Occurrence ,separation of Lanthanide compounds
14.4.2022	DR. B.R. AMBEDKAR JAYANTI
15.4.2022	
16.4.2022	
17.4.2022	SUNDAY

18.4.2022	
19.4.2022	
20.4.2022	Test of Unit-1
21.4.2022	Characteristics of actinides
22.4.2022	
23.4.2022	
24.4.2022	SUNDAY
25.4.2022	
26.4.2022	
27.4.2022	Chemistry of separation of Np,Pu and Am from uranium,transuranic elements
28.4.2022	Comparison of properties of lanthanides and actinides with transition elements
29.4.2022	
30.4.2022	
01.5.2022	SUNDAY
02.5.2022	
03.5.2022	ID UL FITR
04.5.2022	Similarities between lanthanides and actinides
05.5.2022	Test of Unit-2
06.5.2022	
07.5.2022	
08.5.2022	SUNDAY
09.5.2022	
10.5.2022	
11.5.2022	Introduction of Qualitative n Quantitative Analysis
12.5.2022	Chemistry acidic n basic radicals
13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	Solubility product,common ion effect



19.5.2022	Identification of Basic radical Group 1
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	Group 2
26.5.2022	Group 3
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	Group 4,5,Chemistry of interference of acid radicals including their removal in the analysis of basic radicals
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	Theory of precipitation
9.6.2022	Co-precipitation ,post precipitation
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	Assignment of Basic radical
16.6.2022	Purification of precipitates.
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY

20.6.2022	
21.6.2022	
22.6.2022	Chemistry of identification of acid radicals in typical combination
23.6.2022	Test of Unit-3
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	Revision
30.6.2022	Revision

<b>Name of the Assistant/Associate Professor: Dr. Reeti Panchal</b> <b>Class And Section: B.Sc. Medical IVth Semester, Section A&amp;B</b> <b>Subject: Zoology</b> <b>Mode Of Teaching: Offline</b> <b>Lectures Per Week: 6</b>	
<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Habitat, Habits, external morphology, skin and digestive system of <i>Rana tigrina</i> (Frog)
25.3.2022	Coelom ,viscera and circulatory system of Frog
26.3.2022	Nervous system, eye and ear of Frog
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	Urinogenital system of Frog, origin and evolutionary tree of amphibia
1.4.2022	Respiratory system of Frog and Parental care in amphibians
2.4.2022	Class test 1
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	Habitat, Habits, external morphology, skin and digestive system of <i>Hemidactylus</i> (Common house lizard)
8.4.2022	Blood vascular system (Heart, arterial system, venous system, working of heart) of <i>Hemidactylus</i>
9.4.2022	Respiratory system of frog
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Nervous system of Frog
16.4.2022	Excretory system, male and female reproductive system of <i>Hemidactylus</i>
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	Origin and evolutionary tree of reptiles
22.4.2022	Extinct reptiles, poison apparatus of snakes and poisonous and non-poisonous snakes
23.4.2022	Assignment 1
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Habitat, Habits, external morphology, skin and muscular system of <i>Columba livia</i> (Pigeon)
29.4.2022	Digestive system and respiratory system of Pigeon
30.4.2022	Nervous system ( Brain, spinal cord) of <i>Columba livia</i> (Pigeon)
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	Blood vascular system (Heart, arterial system, venous system, working of heart) of <i>Columba livia</i> (Pigeon)
06.5.2022	Eye, ear, tactile organs, olfactory organs and gustatory organs of <i>Columba livia</i> (Pigeon)
07.5.2022	Urinogenital system, copulation, egg laying and development if Pigeon
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	Sense organs (Olfactory organs, eyes and ears) of <i>Hemidactylus</i>
13.5.2022	Origin of migration and advantages of migration in aves
14.5.2022	Flight adaptations and migration of birds
15.5.2022	<b>SUNDAY</b>
16.5.2022	
17.5.2022	

18.5.2022	
19.5.2022	Characters, classification and examples of class Mammalia
20.5.2022	Habitat, Habits, external morphology, skin, muscular layer of Rat
21.5.2022	Blood vascular system (Heart, arterial system, venous system, blood, lymphatic system and working of heart) of Rat
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	Digestive system of Rat
27.5.2022	Nervous system (Brain and spinal cord) of Rat
28.5.2022	Nervous system ( cranial nerves, spinal nerves and autonomic nervous system) of Rat
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Respiratory system of Rat
4.6.2022	Endocrine system of Rat
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	Sense organs (Organs of touch, smell taste, sight and ear ) of Rat
10.6.2022	Peritoneum and thoracic cavity of <i>Rattus rattus</i> (House Rat)
11.6.2022	Class test 2
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	Assignment 2
17.6.2022	Excretory system of Rat
18.6.2022	Male reproductive system of Rat

19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	Female reproductive system of Rat
24.6.2022	Dentition in mammals
25.6.2022	Adaptive radiation of mammals
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	Revision

<b>Name of the Assistant/Associate Professor:-Ms. Manisha verma</b> <b>Class And Section: B.Sc Medical 6th Sem Section 'B'</b> <b>Subject: Organic Chemistry</b> <b>Mode Of Teaching: Offline</b> <b>Lectures Per Week: 2</b>	
Date	Topic To Be Covered
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Introduction to Heterocyclic Compounds
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	Molecular Structure and aromatic characteristics of Pyrrole, furan and thiopene
31.3.2022	<b>Methods of sythesis and chemical reactions</b>
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	Emphasis on the mechanism of electrophilic substitution
7.4.2022	Introduction to Pyridine
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	Mechanism of nucleophilic subsitution in pyridine
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	Comparison of basicity of pyridine, piperidine and pyrrole
21.4.2022	Introduction to five and six membered heterocycles
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	Preparations reactions of indole such Fischer indole synthesis
28.4.2022	Skraup synthesis of quinoline and Bischler Napieralski synthesis of isoquinoline
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Chemical reactions of indole, quinoline and isoquinoline
05.5.2022	Mechanism of electrophilic substitution reactions
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	Test and Assignment
12.5.2022	
13.5.2022	Introduction to Organo sulphur compounds



14.5.2022	
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	Methods of formation n chemical reactions of thiols
19.5.2022	Thioether and sulphonic acids
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	Sulphonamide and sulphaguanidine ,synthetic detergents
26.5.2022	Test and Assignment
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	Introductions to enolates ,acidity of alpha- hydrogens
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	Alkylation of diethyl malonate and ethyl aceto acetate and synthesis of ethyl acetoacetate,the claisen condensation ,keto -enol tautomerism of ethyl aceto acetate
9.6.2022	Addition and condensation polymerisation,free radical ,ionic vinyl polymerisation and Ziegler natta polymerisation ,polyesters,polyamides , resins and polyurethanes
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	

15.6.2022	Classifications of amino acids and preparations of amino acids
16.6.2022	Structure and nomenclature of peptides and proteins
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	Classical peptide synthesis and solid phase peptides synthesis
23.6.2022	Structures of proteins:Primary and secondary structure
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	Test and Assignment
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms. Manisha verma**  
**Class And Section: B.Sc Medical 6th Sem Section 'A'**  
**Subject: Organic Chemistry**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	Introduction to Heterocyclic Compounds
26.3.2022	Molecular Structure and aromatic characteristics of Pyrrole, furan and thiopene
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	<b>Methods of sythesis and chemical reactions</b>
2.4.2022	Emphasis on the mechanism of electrophilic substitution
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	Introduction to Pyridine
9.4.2022	Mechanism of nucleophilic substitution in pyridine
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Comparison of basicity of pyridine, piperidine and pyrrole
16.4.2022	Introduction to five and six membered heterocycles
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Preparations reactions of indole such Fischer indole synthesis
23.4.2022	Skraup synthesis of quinoline and Bischler Napieralski synthesis of isoquinoline
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	Chemical reactions of indole, quinoline and isoquinoline
30.4.2022	Test and Assignment
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Mechanism of electrophilic substitution reactions
07.5.2022	Test of Unit-Ist
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	
13.5.2022	Introduction to Organo sulphur compounds
14.5.2022	Methods of formation and chemical reactions of thiols
15.5.2022	<b>SUNDAY</b>
16.5.2022	

17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Thioether and sulphonic acids
21.5.2022	Sulphonamide and sulphaguanidine, synthetic detergents
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Test and Assignment
28.5.2022	Introductions to enolates ,acidity of alpha- hydrogens
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Alkylation of diethyl malonate and ethyl aceto acetate and synthesis of ethyl acetoacetate,the claisen condensation ,keto -enol tautomerism of ethyl aceto acetate
4.6.2022	Addition and condensation polymerisation,free radical ,ionic vinyl polymerisation and Ziegler natta polymerisation ,polyesters,polyamides , resins and polyurethanes
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	Classifications of amino acids and preparations of amino acids
11.6.2022	Structure and nomenclature of peptides and proteins
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	Classical peptide synthesis and solid phase peptides synthesis

18.6.2022	Structures of proteins :Primary and secondary structure
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Test and Assignment
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	

**Name of the Assistant Professor: Ms. Manisha Verma**

**Class And Section: B.Sc (Non-Med) 4<sup>th</sup> Sem**

**Subject: Organic Chemistry**

**Mode Of Teaching: Offline**

**Lectures Per Week: 2**

Date	Topic To Be Covered
21.3.2022	
22.3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	<b>Unit 1:</b> Infrared absorption spectroscopy Molecular vibrations ,hook's law, selection rules intensity and position of IR bands
26.3.2022	Measurement of IR spectrum, fingerprint region, characteristic absorption of various functional groups , Interpretation of IR spectra of simple organic compounds
27.3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	Application of IR spectroscopy in structure elucidation of simple organic compound
2.4.2022	Test or assignment
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	<b>Unit 2:</b> Amines ;Structure and nomenclature , physical properties
9.4.2022	Separation of a mixture of primary secondary and tertiary amine ,Structural features affecting basicity of amine, preparation of alkyl and aryl amines: reduction of nitro compounds ,nitriles
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI





15.4.2022	Reductive amination of aldehyde and ketone compounds , Gabriel phthalimide reaction Hoffmann bromamide reaction
16.4.2022	Electrophilic aromatic substitution in aryl amines, reaction of amine with nitrous acid
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Test or Assignment
23.4.2022	<b>Unit 3</b> Diazonium salts :Mechanism of diazotization structure of benzene diazonium chloride
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	Replacement of diazo group by H,F ,Cl, Br, I ,NO <sub>2</sub> and CN groups , Reaction of diazonium salt to hydrazines, coupling reaction and its synthetic application
30.4.2022	Test or Assignment
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Nitro compounds : preparation of nitroalkanes and nitroarenes and their chemical reaction
07.5.2022	Test
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	



12.5.2022	
13.5.2022	Mechanism of electrophilic substitution reactions in nitro arenes and their reduction in acidic ,neutral and alkaline medium
14.5.2022	Assignment
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	Test
21.5.2022	Double class
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Unit 4 : Aldehydes and ketones nomenclature and structure of carbon in group ,synthesis of aldehydes and ketones with particular reference to the synthesis of aldehydes from acid chlorides
28.5.2022	advantage of oxidation of alcohol with chromium trioxide , pyridinium,chlorochromate and pyridinium dichromate
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	comparison of reactivities of aldehydes and ketones ,mechanism of nucleophilic addition to carbonyl group with particular emphasis on benzoin ,aldol, perkinandknoevenzel condensation
4.6.2022	Continued.....
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	
8.6.2022	
9.6.2022	
10.6.2022	Oxidation of aldehydes ,oxidation of ketones
11.6.2022	Bayer-villiger oxidation of ketones,canninzaro reaction

12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	MPV, clemmensen , wolf-kishner
18.6.2022	LiAlH <sub>4</sub> , and NaBH <sub>4</sub> reductions
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Test and assignment
25.6.2022	Revision class
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	





**Name of the Assistant/Associate Professor: Dr.Nupur Srivastava**  
**Class And Section B.Sc 2<sup>nd</sup> semester:**  
**Subject: Number theory and Trigonometry (BM-121)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	
22..3.2022	Introduction of subject
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Divisibility
25.3.2022	Problems on topic
26.3.2022	G.C.D
27..3.2022	SUNDAY
28.3.2022	Problems of gcd
29.3.2022	Theorems
30.3.2022	L.C.M
31.3.2022	Problems on topic
1.4.2022	Primes
2.4.2022	Fundamental theorem of Arithmetic
3.4.2022	SUNDAY
4.4.2022	Revision
5.4.2022	Linear congruence
6.4.2022	Fermat theorem
7.4.2022	Problems on fermat theorem
8.4.2022	Theorems on topic
9.4.2022	Problems
10.4.2022	SUNDAY
11.4.2022	Get together
12.4.2022	Problems on topic
13.4.2022	Problems on topic
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Wilson theorem
16.4.2022	Test
17.4.2022	<b>SUNDAY</b>
18.4.2022	De moiver's theorem
19.4.2022	Application on Demoiver theorem
20.4.2022	Roots of a complex number
21.4.2022	Problem on topic
22.4.2022	Solutions of equation
23.4.2022	Expansion of trigonometric function
24.4.2022	<b>SUNDAY</b>
25.4.2022	Problems on topic
26.4.2022	Formation of equations
27.4.2022	Problems
28.4.2022	Expansion of trigonometric function in terms of theta
29.4.2022	Circular function of complex variable
30.4.2022	Euler theorem
01.5.2022	<b>SUNDAY</b>
02.5.2022	Problems
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Hyperbolic functions
05.5.2022	Problems on topic
06.5.2022	Seperation of real and imaginary parts of circular function
07.5.2022	Problems
08.5.2022	<b>SUNDAY</b>
09.5.2022	Logarithmic of a complex quantity
10.5.2022	Problems on topic
11.5.2022	General exponential function





12.5.2022	Problems
13.5.2022	Inverse circular function of real variable
14.5.2022	Problems
15.5.2022	SUNDAY
16.5.2022	Problems
17.5.2022	Inverse circular function of a complex number
18.5.2022	Problems
19.5.2022	Inverse hyperbolic functions
20.5.2022	Problems
21.5.2022	Georgy series
22.5.2022	SUNDAY
23.5.2022	Problems
24.5.2022	Summation of series
25.5.2022	Problems
26.5.2022	Method of difference
27.5.2022	Problems
28.5.2022	C+iS method
29.5.2022	SUNDAY
30.5.2022	Test
31.5.2022	Series on Binomial
01.6.2022	Series depending upon exponential sine and cosine series
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Series on logarithmic series
4.6.2022	Summation of series Depending upon $\tan x$
5.6.2022	SUNDAY
6.6.2022	Hyperbolic series
7.6.2022	Euler function
8.6.2022	Theorems and problems
9.6.2022	Residues
10.6.2022	Theorems
11.6.2022	Problems
12.6.2022	SUNDAY

13.6.2022	Greatest integer function
14.6.2022	Problems and theorem
15.6.2022	Sigma function
16.6.2022	Problems
17.6.2022	Mobius function
18.6.2022	Quadratic residue
19.6.2022	SUNDAY
20.6.2022	Legendre dymbol
21.6.2022	Gauss lemma and theorem
22.6.2022	Test
23.6.2022	Revision
24.6.2022	Doubt class
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	Revision
28.6.2022	Doubt class
29.6.2022	Revision
30.6.2022	Doubt class





**Name of the Assistant Professor: Ms. Harshita Sethi**  
**Class And Section: B.Sc. (Med) 6<sup>th</sup> Sem, Section- B**  
**Subject and Code: Organic Chemistry, CH-602**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

Date	Topic To Be Covered
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	<b>Photochemistry:</b> Interaction of radiation with matter, difference between thermal and photochemical processes. Laws of photochemistry: Grotthus-Drapper law, Stark- Einstein law (law of photochemical equivalence).
2.4.2022	Jablonski diagram depicting various processes occurring in the excited state, qualitative description of fluorescence, phosphorescence, non-radiative processes (internal conversion, intersystem crossing).
3.4.2022	SUNDAY
4.4.2022	
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	Quantum yield, photosensitized reactions-energy transfer processes (simple examples).
9.4.2022	Test
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI
15.4.2022	



16.4.2022	Activity and activity coefficient.
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	Dilute solution, Colligative properties, Raoult's law.
23.4.2022	Relative lowering of vapour pressure, molecular weight determination.
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	Osmosis law of osmotic pressure and its measurement.
29.4.2022	Determination of molecular weight from osmotic pressure.
30.4.2022	Assignment.
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	Elevation of boiling point and depression of freezing point.
07.5.2022	Thermodynamic derivation of relation between molecular weight and elevation in boiling point and depression in freezing point.
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
11.5.2022	
12.5.2022	Ideal and non-ideal solutions, methods of expressing concentrations of solutions.





13.5.2022	Experimental methods for determining various colligative properties. Abnormal molar mass, degree of dissociation and association of solutes.
14.5.2022	Test
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	
18.5.2022	
19.5.2022	
20.5.2022	<b>Spectroscopy-III</b> <b>Electronic Spectrum</b> Concept of potential energy curves for bonding and antibonding molecular orbitals, qualitative description of selection rules and Franck- Condon principle.
21.5.2022	Qualitative description of sigma and pie and n molecular orbital (MO) their energy level and respective transitions.
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	
25.5.2022	
26.5.2022	
27.5.2022	Assignment.
28.5.2022	<b>Phase Equilibrium</b> Statement and meaning of the terms – phase component and degree of freedom.
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Thermodynamic derivation of Gibbs phase rule.
4.6.2022	Phase equilibria of one component system –Example – water and Sulphur systems.
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	

8.6.2022	
9.6.2022	
10.6.2022	Phase equilibria of one component system –Example – water and Sulphur systems.
11.6.2022	Revision.
12.6.2022	SUNDAY
13.6.2022	
14.6.2022	
15.6.2022	
16.6.2022	
17.6.2022	Phase equilibria of two component systems solid-liquid equilibria.
18.6.2022	Simple eutectic Example Pb-Ag system, desilverisation of lead.
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	
22.6.2022	
23.6.2022	
24.6.2022	Doubt Class
25.6.2022	Revision of full syllabus.
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	
29.6.2022	
30.6.2022	





**Name of the Assistant Professor: Ms. Harshita Sethi**  
**Class And Section: B.Sc. (Med) 4<sup>th</sup> Sem, Section- B**  
**Subject and Code: Organic Chemistry, CH-403**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

Date	Topic To Be Covered
21.3.2022	<b>Unit 1:</b> Infrared absorption spectroscopy Molecular vibrations ,hook's law, selection rules intensity and position of IR bands.
22..3.2022	Measurement of IR spectrum, fingerprint region, characteristic absorption of various functional groups , Interpretation of IR spectra of simple organic compounds.
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	Application of IR spectroscopy in structure elucidation of simple organic compound.
29.3.2022	Test
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
4.4.2022	<b>Unit 2:</b> Amines ;Structure and nomenclature , physical properties.
5.4.2022	Separation of a mixture of primary secondary and tertiary amine ,Structural features affecting basicity of amin preparation of alkyl and aryl amines: reduction of nitro compounds ,nitriles.
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	Reductive amination of aldehyde and ketone compounds , Gabriel phthalimide reaction Hoffmann bromamide reaction.
12.4.2022	Electrophilic aromatic substitution in aryl amines, reaction of amine with nitrous acid.
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI
15.4.2022	
16.4.2022	

17.4.2022	
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18.4.2022	Assignment
19.4.2022	<b>Unit 3</b> Diazonium salts :Mechanism of diazotization structure of benzene diazonium chloride.
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Replacement of diazo group by H,F ,Cl, Br, I ,NO <sub>2</sub> and CN groups , Reaction of diazonium salt to hydrazines, coupling reaction and its synthetic application.
26.4.2022	Test
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Nitro compounds : preparation of nitroalkanes and nitroarenes and their chemical reaction.
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Mechanism of electrophilic substitution reactions in nitro arenes and their reduction in acidic ,neutral and alkaline medium.
10.5.2022	Test or Assignment
11.5.2022	
12.5.2022	





13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	Test
17.5.2022	Doubt class
18.5.2022	
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Unit 4 : Aldehydes and ketones nomenclature and structure of carbon in group ,synthesis of aldehydes and ketones with particular reference to the synthesis of aldehydes from acid chlorides.
24.5.2022	advantage of oxidation of alcohol with chromium trioxide , pyridinium, chlorochromate and pyridinium dichromate.
25.5.2022	
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	comparison of reactivities of aldehydes and ketones ,mechanism of nucleophilic addition to carbonyl group with particular emphasis on benzoin ,aldol, perkinandknoevenzel condensation.
31.5.2022	Continued.....
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Oxidation of aldehydes ,oxidation of ketones.
7.6.2022	Bayer- villiger oxidation of ketones, Cannizaro reaction.
8.6.2022	
9.6.2022	
10.6.2022	
11.6.2022	

12.6.2022	SUNDAY
13.6.2022	MPV, clemmensen , wolf-kishner.
14.6.2022	LiAlH <sub>4</sub> , and NaBH <sub>4</sub> reductions.
15.6.2022	
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Test
21.6.2022	Revision class
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Doubt class
28.6.2022	Revision of whole syllabus
29.6.2022	
30.6.2022	





**Name of the Assistant/Associate Professor: Ms. Harshita Sethi**  
**Class And Section: B.Sc. Non-Medical 6th Sem Section-B**  
**Subject and code: Organic Chemistry, CH-603**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 2**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Practical Exam
22..3.2022	Practical Exam
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	<b>SUNDAY</b>
28.3.2022	Introduction to Heterocyclic Compounds.
29.3.2022	Molecular Structure and aromatic characteristics of Pyrrole, furan and thiophene.
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	<b>SUNDAY</b>
4.4.2022	<b>Methods of synthesis and chemical reactions.</b>
5.4.2022	Emphasis on the mechanism of electrophilic substitution.
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	<b>SUNDAY</b>
11.4.2022	Introduction to Pyridine.
12.4.2022	Mechanism of nucleophilic substitution in pyridine.
13.4.2022	
14.4.2022	DR B.R AMBEDKAR JAYANTI



15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Comparison of basicity of pyridine, piperidine and pyrrole.
19.4.2022	Introduction to five and six membered heterocycles.
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Preparations reactions of indole such Fischer indole synthesis.
26.4.2022	Skraup synthesis of quinoline and Bischler Napieralski synthesis of isoquinoline.
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	Chemical reactions of indole, quinoline and isoquinoline.
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Mechanism of electrophilic substitution reactions.
10.5.2022	Test of Unit-1
11.5.2022	





12.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	SUNDAY
16.5.2022	Introduction to Organosulfur compounds.
17.5.2022	Methods of formation n chemical reactions of thiols.
18.5.2022	
19.5.2022	
20.5.2022	
21.5.2022	
22.5.2022	SUNDAY
23.5.2022	Thioether and sulphonic acids.
24.5.2022	Sulphonamide and sulphaguanidine, synthetic detergents.
25.5.2022	
26.5.2022	
27.5.2022	
28.5.2022	
29.5.2022	SUNDAY
30.5.2022	Assignment
31.5.2022	Introductions to enolates ,acidity of alpha- hydrogens.
01.6.2022	
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	Alkylation of diethyl malonate and ethyl aceto acetate and synthesis of ethyl acetoacetate, the claisen condensation ,keto -enol tautomerism of ethyl acetoacetate.
7.6.2022	Addition and condensation polymerisation,free radical ,ionic vinyl polymerisation and Ziegler natta polymerisation ,polyesters, polyamides , resins and polyurethanes.
8.6.2022	
9.6.2022	
10.6.2022	
11.6.2022	
12.6.2022	SUNDAY

13.6.2022	Classifications of amino acids and preparations of amino acids.
14.6.2022	Structure and nomenclature of peptides and proteins.
15.6.2022	
16.6.2022	
17.6.2022	
18.6.2022	
19.6.2022	SUNDAY
20.6.2022	Classical peptide synthesis and solid phase peptides synthesis.
21.6.2022	Structures of proteins: Primary and secondary structure.
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	
26.6.2022	SUNDAY
27.6.2022	Test of Unit -4
28.6.2022	Revision
29.6.2022	
30.6.2022	



<b>Name of the Assistant Professor : Ms. YOGITA</b>	
<b>Class and Section : B.Sc Medical 4th Sem. Sec- B</b>	
<b>Subject : Physical Chemistry</b>	
<b>Mode of Teaching : Offline</b>	
<b>Lecture per week : 2</b>	
<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
21.03.2022	
22.03.2022	
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	
25.03.2022	Thermodynamic- Previous Introduction, Limitation Of First Law of Thermodynamic
26.03.2022	Second Law of Thermodynamic , need for Law ,and Different statements of the law
27.03.2022	<b>SUNDAY</b>
28.03.2022	
29.03.2022	
30.03.2022	
31.03.2022	
01.04.2022	Carnot's Cycle and its efficiency Carnot's theorm
02.04.2022	Thermodynamic Scale of Temperature, Concept of Entropy
03.04.2022	<b>SUNDAY</b>
04.04.2022	
05.04.2022	
06.04.2022	
07.04.2022	
08.04.2022	Entropy as a State Function, Entropy as a function of V & T
09.04.2022	Entropy as a function of P & T, Entropy change in Physical Change
10.04.2022	<b>SUNDAY</b>
11.04.2022	
12.04.2022	
13.04.2022	
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>

15.04.2022	Entropy as a Criteria of Spontaneity and Equilibrium
16.04.2022	Entropy change in ideal gases & Mixing Gases.
17.04.2022	<b>SUNDAY</b>
18.04.2022	
19.04.2022	
20.04.2022	
21.04.2022	
22.04.2022	<b>Test</b>
23.04.2022	Third Law of Thermodynamics, Nernst heat theorem
24.04.2022	<b>SUNDAY</b>
25.04.2022	
26.04.2022	
27.04.2022	
28.04.2022	
29.04.2022	Concept of residual entropy, evaluation of absolute entropy from heat capacity data
30.04.2022	Gibbs and helmholtz function
01.05.2022	<b>SUNDAY</b>
02.05.2022	
03.05.2022	<b>ID UL FITR</b>
04.05.2022	
05.05.2022	
06.05.2022	Variation of Gibbs function with P, V & T
07.05.2022	Variation of Helmholtz Function with P, V & T
08.05.2022	<b>SUNDAY</b>
09.05.2022	
10.05.2022	
11.05.2022	
12.05.2022	
13.05.2022	A & G as criteria for thermodynamic equilibrium and Spontaneity, their advantages over entropy Change

14.05.2022	Gibbs(G) and Helmholtz(A) function as thermodynamic quantities- Gibbs - Helmholtz equation
15.05.2022	<b>SUNDAY</b>
16.05.2022	
17.05.2022	
18.05.2022	
19.05.2022	
20.05.2022	<b>Test</b>
21.05.2022	Electrochemistry- Introduction, Electrolytic cell and Galvanic cell- reversible & irreversible cells.
22.05.2022	<b>SUNDAY</b>
23.05.2022	
24.05.2022	
25.05.2022	
26.05.2022	
27.05.2022	Conventional Representation of electrochemical cells, EMF of cell and its measurement, Sign Conventions, Weston Standard Cell
28.05.2022	Nernst equations , Electrochemical series and its applications
29.05.2022	<b>SUNDAY</b>
30.05.2022	
31.05.2022	
01.06.2022	
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	Types of Reversible Electrode - Metal-Metal Ion gas Electrode, Metal Insoluble Salt-Anion and Redox electrodes, Electrode Reactions
04.06.2022	Standard Hydrogen Electrode , reference electrodes , Standard Electrode Potential
05.06.2022	<b>SUNDAY</b>
06.06.2022	
08.06.2022	
09.06.2022	
10.06.2022	Derivation of Cell EMF ad single Electrode Potential
11.06.2022	Calculation of thermodynamic quantities of cell reaction ( $\Delta G$ , $\Delta H$ , & $\Delta K$ ) and Activity and Activity Coefficient
12.06.2022	<b>SUNDAY</b>

13.06.2022	
14.06.2022	
15.06.2022	
16.06.2022	
17.06.2022	Test
18.06.2022	Concentration cells with and without transference, Liquid junction Potential
19.06.2022	<b>SUNDAY</b>
20.06.2022	
21.06.2022	
22.06.2022	
23.06.2022	
24.06.2022	Application of EMF measurement , Solubility product activity coefficient , Potentiometric titration
25.06.2022	Determination of pH using Hydrogen Electrode, Quinhydrone electrode and Glass electrode by Potentiometric methods
26.06.2022	<b>SUNDAY</b>
27.06.2022	
28.06.2022	
29.06.2022	<b>TEST</b>
30.06.2022	<b>REVISION</b>

<b>Name of the Assistant Professor : Ms. YOGITA</b>	
<b>Class and Section : B.Sc Medical 4th Sem. Sec- A</b>	
<b>Subject : Physical Chemistry</b>	
<b>Mode of Teaching : Offline</b>	
<b>Lecture per week : 2</b>	
<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
21.03.2022	
22.03.2022	
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	Thermodynamic- Previous Introduction, Limitation Of First Law of Thermodynamic
25.03.2022	
26.03.2022	
27.03.2022	<b>SUNDAY</b>
28.03.2022	
29.03.2022	



30.03.2022	Second Law of Thermodynamic , need for Law ,and Different statements of the law
31.03.2022	Carnot's Cycle and its efficiency Carnot's theorm, Thermodynamic Scale of Temperature, Concept of Entropy
01.04.2022	
02.04.2022	
03.04.2022	<b>SUNDAY</b>
04.04.2022	
05.04.2022	
06.04.2022	Entropy as a State Function, Entropy as a function of V & T
07.04.2022	Entropy as a function of P & T, Entropy change in Physical Change
08.04.2022	
09.04.2022	
10.04.2022	<b>SUNDAY</b>
11.04.2022	
12.04.2022	
13.04.2022	Entropy as a Criteria of Spontaneity and Equilibrium
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	
16.04.2022	
17.04.2022	<b>SUNDAY</b>
18.04.2022	
19.04.2022	
20.04.2022	Entropy change in ideal gases & Mixing Gases.
21.04.2022	<b>Test</b>
22.04.2022	
23.04.2022	
24.04.2022	<b>SUNDAY</b>
25.04.2022	
26.04.2022	
27.04.2022	Third Law of Thermodynamics, Nernst heat theorem, Concept of residual entropy
28.04.2022	Evaluation of absolute entropy from heat capacity data, Gibbs and helmholtz function
29.04.2022	
30.04.2022	

01.05.2022	<b>SUNDAY</b>
02.05.2022	
03.05.2022	<b>ID UL FITR</b>
04.05.2022	Variation of Gibbs function with P, V & T
05.05.2022	Variation of Helmholtz Function with P, V & T
06.05.2022	
07.05.2022	
08.05.2022	<b>SUNDAY</b>
09.05.2022	
10.05.2022	
11.05.2022	A & G as criteria for thermodynamic equilibrium and Spontaneity, their advantages over entropy Change
12.05.2022	Gibbs(G) and Helmholtz(A) function as thermodynamic quantities- Gibbs - Helmholtz equation
13.05.2022	
14.05.2022	
15.05.2022	<b>SUNDAY</b>
16.05.2022	
17.05.2022	
18.05.2022	<b>Test</b>
19.05.2022	Electrochemistry- Introduction, Electrolytic cell and Galvanic cell- reversible & irreversible cells.
20.05.2022	
21.05.2022	
22.05.2022	<b>SUNDAY</b>
23.05.2022	
24.05.2022	
25.05.2022	Conventional Representation of electrochemical cells, EMF of cell and its measurement, Sign Conventions, Weston Standard Cell
26.05.2022	Nernst equations , Electrochemical series and its applications
27.05.2022	
28.05.2022	
29.05.2022	<b>SUNDAY</b>
30.05.2022	
31.05.2022	
01.06.2022	Types of Reversible Electrode - Metal-Metal Ion gas Electrode, Metal Insoluble Salt-Anion and Redox electrodes, Electrode Reactions

02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	
04.06.2022	
05.06.2022	<b>SUNDAY</b>
06.06.2022	
07.06.2022	
08.06.2022	Standard Hydrogen Electrode , reference electrodes , Standard Electrode Potential
09.06.2022	Derivation of Cell EMF as single Electrode Potential
10.06.2022	
11.06.2022	
12.06.2022	<b>SUNDAY</b>
13.06.2022	
14.06.2022	
15..63.2022	Calculation of thermodynamic quantities of cell reaction ( $\Delta G$ , $\Delta H$ , & $\Delta K$ ) and Activity and Activity Coefficient
16.06.2022	Test
17.06.2022	
18.06.2022	
19.06.2022	<b>SUNDAY</b>
20.06.2022	
21.06.2022	
22.06.2022	Concentration cells with and without transference, Liquid junction Potential
23.06.2022	Application of EMF measurement , Solubility product activity coefficient , Potentiometric titration
24.06.2022	
25.06.2022	
26.06.2022	<b>SUNDAY</b>
27.06.2022	
28.06.2022	
29.06.2022	Determination of pH using Hydrogen Electrode, Quinhydrone electrode and Glass electrode by Potentiometric methods
30.06.2022	<b>REVISION</b>

<b>Name of the Assistant Professor : Ms. Savita Rani</b> <b>Class and Section : B . S c . M e d i c a l 6<sup>th</sup> S e m .</b> <b>Subject : Economic Botany</b> <b>Mode of Teaching : Offline</b> <b>Lecture per week : 6</b>	
<b>DATE</b>	<b>TOPIC TO BE COVERED</b>
21.03.2022	Introduction to Economy Botany
22.03.2022	Vavilov's centers of origin of crop plants .Origin ,distribution ,Botanical description of wheat
23.03.2022	<b>SHAHEEDI DIWAS</b>
24.03.2022	
25.03.2022	
26.03.2022	
27.03.2022	<b>SUNDAY</b>
28.03.2022	Origin, distribution, Botanical description of Rice
29.03.2022	Origin, distribution, Botanical description of maize
30.03.2022	Test
31.03.2022	
01.04.2022	
02.04.2022	
03.04.2022	<b>SUNDAY</b>
04.04.2022	Origin, distribution, Economic importance & Cultivation of Gram
05.04.2022	Origin, distribution, Economic importance & Cultivation of arhar
06.04.2022	Origin, distribution ,Economic importance & Cultivation of pea
07.04.2022	
08.04.2022	
09.04.2022	
10.04.2022	<b>SUNDAY</b>
11.04.2022	Origin, distribution, Economic importance & Cultivation of Potato & Tomato
12.04.2022	Origin, distribution, Economic importance & Cultivation of Onion
13.04.2022	Test of Rice, Wheat, Maize, Gram, Arhar, Pea
14.04.2022	<b>DR B.R AMBEDKAR JAYANTI</b>
15.04.2022	
16.04.2022	

17.04.2022	<b>SUNDAY</b>
18.04.2022	Origin, distribution, Botanical description, cultivation of groundnut
19.04.2022	Origin, distribution, Botanical description, cultivation of Mustard
20.04.2022	Origin, distribution ,Botanical description, cultivation etc. of Sunflower, coconut
21.04.2022	
22.04.2022	
23.04.2022	
24.04.2022	<b>SUNDAY</b>
25.04.2022	Revision of Unit I & II
26.04.2022	Group discussion & seminar on topics covered
27.04.2022	Test of Unit I and unit II
28.04.2022	
29.04.2022	
30.04.2022	
01.05.2022	<b>SUNDAY</b>
02.05.2022	Morphological description, brief idea of cultivation and uses of Coriander
03.05.2022	<b>ID UL FITR</b>
04.05.2022	
05.05.2022	
06.05.2022	
07.05.2022	
08.05.2022	<b>SUNDAY</b>
09.05.2022	Morphological description, cultivation and uses of Medical plants: Cinchona
10.05.2022	Morphological description, cultivation and uses of turmeric & clove
11.05.2022	Assignment On spices
12.05.2022	
13.05.2022	

14.05.2022	
15.05.2022	<b>SUNDAY</b>
16.05.2022	Medicinal plants Rouwolfia, Atropa, Withania
17.05.2022	Medicinal plants Opium, Cannabis, Azadirachta
18.05.2022	Botanical description, processing, uses of Beverages
19.05.2022	
20.05.2022	
21.05.2022	
22.05.2022	<b>SUNDAY</b>
23.05.2022	Botanical description, processing, uses of Tea & Coffee
24.05.2022	Botanical description, processing, uses of Rubber
25.05.2022	Test of Medicinal plants & Beverages
26.05.2022	
27.05.2022	
28.05.2022	
29.05.2022	<b>SUNDAY</b>
30.05.2022	Botanical description, processing, uses of Sugarcane
31.05.2022	Assignment On sugarcane
01.06.2022	Ppt presentation
02.06.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.06.2022	
04.06.2022	
05.06.2022	<b>SUNDAY</b>
06.06.2022	General account & sources of timber
08.06.2022	Energy plantation
09.06.2022	General account of teak, sal, and pine
10.06.2022	
11.06.2022	
12.06.2022	<b>SUNDAY</b>
13.06.2022	Carbon trading
14.06.2022	Bio fuels

<b>15.06.2022</b>	Test of unit-3
<b>16.06.2022</b>	
<b>17.06.2022</b>	
<b>18.06.2022</b>	
<b>19.06.2022</b>	<b>SUNDAY</b>
<b>20.06.2022</b>	Assignment on Biofuels
<b>21.06.2022</b>	Revision
<b>22.06.2022</b>	Revision On Timber & Biofuels
<b>23.06.2022</b>	
<b>24.06.2022</b>	
<b>25.06.2022</b>	
<b>26.06.2022</b>	<b>SUNDAY</b>
<b>27.06.2022</b>	Test of unit4
<b>28.06.2022</b>	Revision of unit1
<b>29.06.2022</b>	Revision
<b>30.06.2022</b>	

<b>Name of the Assistant/Associate Professor: Ms. Vandna</b> <b>ClassAndSection: B.S. Biotechnology 2<sup>nd</sup> semester</b> <b>Subject: BT-201 BIostatISTICS</b> <b>ModeOfTeaching:Offline</b> <b>LecturesPer Week:2</b>	
<b>Date</b>	<b>TopicToBeCovered</b>
21.3.2022	Introduction to Biostatistics
22.3.2022	Introduction to Biostatistics
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Types of Data
25.3.2022	
26.3.2022	
27.3.2022	<b>SUNDAY</b>
28.3.2022	Collection of data; Primary & Secondary data,
29.3.2022	Collection of data; Primary & Secondary data,

30.3.2022	Classification and Graphical representation of Statistical data
31.3.2022	Classification and Graphical representation of Statistical data
1.4.2022	
2.4.2022	
3.4.2022	<b>SUNDAY</b>
5.4.2022	Classification and Graphical representation of Statistical data
6.4.2022	Classification and Graphical representation of Statistical data
7.4.2022	Measures of central tendency – Mean
8.4.2022	
9.4.2022	
10.4.2022	<b>SUNDAY</b>
11.4.2022	Measures of central tendency - Median
12.4.2022	Measures of central tendency - Median
13.4.2022	Measures of central tendency - Median
14.4.2022	DRB.RAMBEDKAR JAYANTI
15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	Measures of central tendency - Mode
19.4.2022	Measures of central tendency - Mode
20.4.2022	Measures of central tendency - Mode
21.4.2022	Measures of dispersion- Quartile deviation
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	Measures of dispersion – deciles and percentile deviation
26.4.2022	Measures of dispersion – standard deviation
27.4.2022	Measures of dispersion – standard deviation
28.4.2022	Measures of dispersion – standard deviation
29.4.2022	
30.4.2022	



01.5.2022	<b>SUNDAY</b>
02.5.2022	Measures of Skewness and Kurtosis
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Measures of Skewness and Kurtosis
05.5.2022	Probability (classical & axiomatic definition of probability,
06.5.2022	.
07.5.2022	
08.5.2022	<b>SUNDAY</b>
09.5.2022	Theorems on total and compound probability,
10.5.2022	Elementary ideas of Binomial distributions
11.5.2022	
13.5.2022	
14.5.2022	
15.5.2022	<b>SUNDAY</b>
16.5.2022	Elementary ideas of Poisson distributions
17.5.2022	Elementary ideas of Poisson distributions
18.5.2022	Elementary ideas of Poisson distributions
19.5.2022	Elementary ideas of Poisson distributions
20.5.2022	
21.5.2022	
22.5.2022	<b>SUNDAY</b>
23.5.2022	Elementary ideas of Normal distributions
24.5.2022	Elementary ideas of Normal distributions
25.5.2022	Elementary ideas of Normal distributions
26.5.2022	Elementary ideas of Normal distributions
27.5.2022	
28.5.2022	
29.5.2022	<b>SUNDAY</b>
30.5.2022	Methods of sampling, ,confidence level,
31.5.2022	Methods of sampling, ,confidence level,
01.6.2022	Methods of sampling, ,confidence level,
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>

03.6.2022	
4.6.2022	
5.6.2022	SUNDAY
6.6.2022	critical region,
7.6.2022	critical region,
8.6.2022	testing of hypothesis
9.6.2022	
10.6.2022	
11.6.2022	SUNDAY
12.6.2022	Standard error
13.6.2022	Standard error
14.6.2022	large sample test and small sample test.
15.6.2022	large sample test and small sample test.
16.6.2022	
17.6.2022	
18.6.2022	SUNDAY
19.6.2022	Problems on test of significance,
20.6.2022	t-test,
21.6.2022	chi-square test for goodness of fit
22.6.2022	
23.6.2022	
24.6.2022	
25.6.2022	SUNDAY
26.6.2022	analysis of variance (ANOVA)
27.6.2022	Revision
28.6.2022	Revision
29.6.2022	Revision
30.6.2022	

<b>Name of the Assistant Professor: Dr. Priti</b> <b>Class And Section: B.Sc. 2<sup>nd</sup> sem</b> <b>Subject: Animal Diversity &amp; Economic Zoology (BT-204)</b> <b>Mode Of Teaching:</b> <b>Offline</b> <b>Lectures Per Week:4</b>	
<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	-
22..3.2022	-
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Outline of classification of Non- Chordates upto subclasses.
25.3.2022	Coelomata, Acoelomata,
26.3.2022	Symmetries
27..3.2022	<b>SUNDAY</b>
28.3.2022	-
29.3.2022	-
30.3.2022	Deutrostomes
31.3.2022	Deutrostomes
1.4.2022	Protostomes.
2.4.2022	Protozoa: Locomotion
3.4.2022	<b>SUNDAY</b>
4.4.2022	-
5.4.2022	-
6.4.2022	Protozoa: Reproduction
7.4.2022	evolution of Sex
8.4.2022	General features and life history of Paramoecium
9.4.2022	General features and life history of Plasmodium.
10.4.2022	<b>SUNDAY</b>
11.4.2022	-
12.4.2022	-
13.4.2022	Pathogenic protozoans
14.4.2022	<b>Dr. B.R.Ambedkar Jayanti</b>
15.4.2022	Porifera: General characters, outline of Classification ; skeleton , Canal System
16.4.2022	Test
17.4.2022	<b>SUNDAY</b>
18.4.2022	-
19.4.2022	-
20.4.2022	Coelenterata: General Characters, Outline of classifications Polymorphism,
21.4.2022	Coelenterata: General Characters, Outline of classifications Polymorphism
22.4.2022	Coelenterata: General Characters, Outline of classifications Polymorphism,

23.4.2022	Various types of stinging cells; Metagenesis,
24.4.2022	<b>SUNDAY</b>
25.4.2022	-
26.4.2022	-
27.4.2022	Coral reefs and their formation.
28.4.2022	Platyhelminthes- General Characters; Outline of classification
29.4.2022	Platyhelminthes- Pathogenic flatworms
30.4.2022	Platyhelminthes- Parasitic adaptations. Important Larval forms
1.5.2022	<b>SUNDAY</b>
2.5.2022	-
3.5.2022	<b>ID UL FITR</b>
4.5.2022	Aschelminthes: General features, Outline of classification,
5.5.2022	Aschelminthes: Pathogenic roundworms and their vectors in relation to man
6.5.2022	Aschelminthes: Parasite adaptation.
7.5.2022	Test
8.5.2022	<b>SUNDAY</b>
9.5.2022	-
10.5.2022	-
11.5.2022	Annelida: - General features
12.5.2022	Outline of classification
13.5.2022	Outline of classification
14.5.2022	Coelom
15.5.2022	<b>SUNDAY</b>
16.5.2022	-
17.5.2022	-
18.5.2022	Metameric segmentation
19.5.2022	General features and life history of Earthworm
20.5.2022	Vermicomposting.
21.5.2022	Arthropoda: General Features
22.5.2022	<b>SUNDAY</b>
23.5.2022	-
24.5.2022	-
25.5.2022	Arthropoda: Outline of Classification
26.5.2022	Arthropoda: Larval forms of crustacean,
27.5.2022	Respiration in Arthropoda
28.5.2022	Metamorphosis in insects; Social insects; Insect vectors of diseases; Apiculture, Sericulture
29.5.2022	<b>SUNDAY</b>
30.5.2022	-
31.5.2022	-
1.6.2022	Test
2.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
3.6.2022	Mollusca : general features
4.6.2022	Mollusca : Outline of classification
5.6.2022	<b>SUNDAY</b>
6.6.2022	-
7.6.2022	-
8.6.2022	Mollusca : Shell Diversity

9.6.2022	Mollusca : Torsion in gastropoda
10.6.2022	Mollusca : Torsion in gastropoda
11.6.2022	Life history of Pila.
12.6.2022	<b>SUNDAY</b>
13.6.2022	-
14.6.2022	-
15.6.2022	Echinodermata: General features
16.6.2022	Echinodermata: Outline of Classification
17.6.2022	Echinodermata:, Life history of starfish (Asterias)
18.6.2022	Echinodermata: Larval forms
19.6.2022	<b>SUNDAY</b>
20.6.2022	-
21.6.2022	-
22.6.2022	Hemichordata: Phylogeny
23.6.2022	Hemichordata: Phylogeny
24.6.2022	Hemichordata: Affinities of Balanoglossus
25.6.2022	Hemichordata: Affinities of Balanoglossus
26.6.2022	<b>SUNDAY</b>
27.6.2022	-
28. 6.2022	-
29.6.2022	Test
30.6.2022	Test

**Name of the Assistant/Associate Professor: Ms. Bharti**  
**Class And Section: B.Sc. 4<sup>th</sup> Semester**  
**Subject: Sequence and Series (BM-241)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Preliminaries
22..3.2022	Introduction to topology of real numbers
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Boundedness of set of real numbers
25.3.2022	Interior of a set
26.3.2022	Theorems on open sets and closed set
27..3.2022	<b>SUNDAY</b>
28.3.2022	Solutions of examples and exercise and exercise
29.3.2022	Revision/test
30.3.2022	Limit points of a set and its properties
31.3.2022	Closure of a set and theorem based on it
1.4.2022	Bolzano - Weierstrass theorem
2.4.2022	Exercise questions and Examples
3.4.2022	<b>SUNDAY</b>
4.4.2022	Compact sets and theorem based on it
5.4.2022	Revision /test
6.4.2022	Heine Boral theorem
7.4.2022	Questions based on Heine Boral theorem
8.4.2022	Examples and Exercise questions
9.4.2022	Revision
10.4.2022	<b>SUNDAY</b>
11.4.2022	Introduction to sequence
12.4.2022	Bounded and unbounded sequences
13.4.2022	Test
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>

15.4.2022	Convergence and divergence of sequence
16.4.2022	Examples and Exercise questions
17.4.2022	<b>SUNDAY</b>
18.4.2022	Some basic theorem on limits
19.4.2022	Some important results related to sequences
20.4.2022	Squeeze principle
21.4.2022	Cauchy's first theorem on limits
22.4.2022	Cauchy's second theorem on limits
23.4.2022	Examples and exercise questions
24.4.2022	<b>SUNDAY</b>
25.4.2022	Revision
26.4.2022	Monotonic Sequences and Theorem Based on it
27.4.2022	Nested Sequence and cantor intersection property
28.4.2022	Examples and Exercise Question
29.4.2022	Limit point and cluster point and theorem based on it
30.4.2022	Bolzano weierstrass theorem
01.5.2022	<b>SUNDAY</b>
02.5.2022	Cauchy sequences and Cauchy general principle of conversion
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Examples and exercises
05.5.2022	Subsequences and theorem based on it
06.5.2022	Questions based on subsequences
07.5.2022	Introduction to infinite series
08.5.2022	<b>SUNDAY</b>
09.5.2022	Revision/test
10.5.2022	Convergence and divergence of infinite series
11.5.2022	Theorems of infinite series
12.5.2022	Examples and exercise questions
13.5.2022	Subsequences and theorem based on it

14.5.2022	Questions based on subsequences
15.5.2022	SUNDAY
16.5.2022	Introduction to infinite series
17.5.2022	Revision
18.5.2022	Convergence and divergence of infinite series
19.5.2022	Theorems on infinite series
20.5.2022	Examples and exercise questions
21.5.2022	Cauchy general principal on convergence
22.5.2022	SUNDAY
23.5.2022	Convergence or divergence of geometric series
24.5.2022	Revision
25.5.2022	Comparison test [first and second firm]
26.5.2022	Third and fourth form of comparison test
27.5.2022	Fifth and sixth form of comparison test
28.5.2022	Hyper harmonic series of p-series
29.5.2022	SUNDAY
30.5.2022	Examples and Exercise questions
31.5.2022	Test
01.6.2022	D' Alambert's Ratio Test
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Cauchy's Ratio test
4.6.2022	Examples and Exercise questions
5.6.2022	SUNDAY
6.6.2022	Raabi 's test and Logarithmic test
7.6.2022	Examples and Exercise questions
8.6.2022	De Morgan's and Bertand's test
9.6.2022	Gauss test
10.6.2022	Examples and Exercise questions



11.6.2022	Cauchy's Integral test, Cauchy's condensation test
12.6.2022	SUNDAY
13.6.2022	Examples and Exercise questions
14.6.2022	Introduction to Alternating Series and Leibnitz's test
15.6.2022	Absolute convergence and conditional convergence
16.6.2022	Examples and Exercise questions
17.6.2022	Introduction to Arbitrary series and Able's lemma
18.6.2022	Able's Test
19.6.2022	SUNDAY
20.6.2022	Dirichilet test
21.6.2022	Riemann's rearrangement theorem
22.6.2022	Examples and Exercise questions
23.6.2022	Cauchy's theorem and Mertin theorem
24.6.2022	Cesaro's theorem and Able's theorem
25.6.2022	Examples and Exercise questions
26.6.2022	SUNDAY
27.6.2022	Introduction to infinite product and theorem on it
28.6.2022	General principle of convergence of infinite product
29.6.2022	Examples and Exercise questions
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms. Bharti**  
**Class And Section: B.Sc. (NM) 2<sup>nd</sup> semester**  
**Subject: O.D.E (BM-122)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction
22..3.2022	Some definition based on ordinary differential equations
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Exactness theorem
25.3.2022	Theorem based on exactness
26.3.2022	Problems
27..3.2022	<b>SUNDAY</b>
28.3.2022	Exact differential equations g
29.3.2022	Difference between Ode and pde
30.3.2022	Geometrical representation of differential equations
31.3.2022	Problems based on exactness
1.4.2022	Integrating factors
2.4.2022	Rules for finding integrating factors
3.4.2022	<b>SUNDAY</b>
4.4.2022	Problems
5.4.2022	Problems
6.4.2022	Problems
7.4.2022	Test
8.4.2022	Different methods to find exact solutions
9.4.2022	Problems
10.4.2022	<b>SUNDAY</b>
11.4.2022	Problems
12.4.2022	Problem based on exactness
13.4.2022	Problem of first order not first degree

14.4.2022	<b>Dr. B.R. AMBEDKAR JAYANTI</b>
15.4.2022	Problems
16.4.2022	Doubt class
17.4.2022	<b>SUNDAY</b>
18.4.2022	Doubt class
19.4.2022	Test
20.4.2022	Equations solvable for y
21.4.2022	Problem
22.4.2022	Problem
23.4.2022	Equations based for x
24.4.2022	<b>SUNDAY</b>
25.4.2022	Lagrangian problem
26.4.2022	Problems
27.4.2022	Clariant equation
28.4.2022	Reducable form of clarinet equation
29.4.2022	Problems
30.4.2022	Doubt class
01.5.2022	<b>SUNDAY</b>
02.5.2022	Test
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Curvilinear problems
05.5.2022	Problems
06.5.2022	Introduction of Singular solution
07.5.2022	Relation between singular solution and envelope of the family
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	Problems
11.5.2022	Problems

12.5.2022	Doubt class
13.5.2022	Test
14.5.2022	Usual method of solving linear differential equation
15.5.2022	<b>SUNDAY</b>
16.5.2022	Working rule of finding complementary function
17.5.2022	Problems
18.5.2022	Working rule for finding particular integral
19.5.2022	Problems
20.5.2022	To find complete solution of differential equations
21.5.2022	Problems
22.5.2022	<b>SUNDAY</b>
23.5.2022	Method of undetermined coefficient
24.5.2022	Problems
25.5.2022	Problems
26.5.2022	Homogeneous equation of Cauchy rular equation
27.5.2022	Problems
28.5.2022	Problems
29.5.2022	<b>SUNDAY</b>
30.5.2022	Method of variations of parameters
31.5.2022	Problems
01.6.2022	Solving differential equations
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Working rule
4.6.2022	Method for finding optimal solutions
5.6.2022	<b>SUNDAY</b>
6.6.2022	Problems
7.6.2022	Problems
8.6.2022	Doubt class
9.6.2022	Test

10.6.2022	Solution of ordinary differential equations
11.6.2022	Examples
12.6.2022	<b>SUNDAY</b>
13.6.2022	Problems
14.6.2022	Problems
15.6.2022	Doubt class
16.6.2022	Assignment
17.6.2022	Ordinary Simultaneously equation
18.6.2022	Second integral found with the help of first
19.6.2022	<b>SUNDAY</b>
20.6.2022	Some theorems based on total differential equations
21.6.2022	Inspection method in total differential equations
22.6.2022	Condition of integrability
23.6.2022	Test
24.6.2022	Method for solving homogeneous equation
25.6.2022	Method of auxillary equation
26.6.2022	<b>SUNDAY</b>
27.6.2022	Total differential equations
28.6.2022	Homogeneous equation
29.6.2022	Problems
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms. Bharti**  
**Class And Section: B.Sc. 2<sup>nd</sup> semester**  
**Subject: Vector Calculus (BM-123)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of syllabus
22..3.2022	Some definitions based on vector calculus
23.3.2022	<b>SHAHEEDI DIWAS</b>
24.3.2022	Scalar triple product
25.3.2022	Vector triple product
26.3.2022	Difference between scalar and vector product
27..3.2022	<b>SUNDAY</b>
28.3.2022	Product of four vectors
29.3.2022	Reciprocal vectors
30.3.2022	Problems
31.3.2022	Doubt class
1.4.2022	Test
2.4.2022	Vector Differentiation
3.4.2022	<b>SUNDAY</b>
5.4.2022	Scalar valued point function
6.4.2022	Vactor valued point function
7.4.2022	Problems
8.4.2022	Doubt class
9.4.2022	Test
10.4.2022	<b>SUNDAY</b>
11.4.2022	Derivative along a curve
12.4.2022	Directional derivatives
13.4.2022	Problems
14.4.2022	<b>DR B.R AMBEDKAR JAYANTI</b>

15.4.2022	Problems
16.4.2022	Problems
17.4.2022	<b>SUNDAY</b>
18.4.2022	Gradient of a scalar point function
19.4.2022	Geometrical representation of a grad phy
20.4.2022	Character of gradient as a point function
21.4.2022	Problems
22.4.2022	Problems
23.4.2022	Doubt class
24.4.2022	<b>SUNDAY</b>
25.4.2022	Test
26.4.2022	Divergence of vector point fuction
27.4.2022	Problems
28.4.2022	Problems
29.4.2022	Doubt class
30.4.2022	Curl of vector point function
01.5.2022	<b>SUNDAY</b>
02.5.2022	Problems
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Problems
05.5.2022	Doubts
06.5.2022	Characters of divergence f vector
07.5.2022	Curl f vector as a point function
08.5.2022	<b>SUNDAY</b>
09.5.2022	Problems
10.5.2022	Problems
11.5.2022	Doubt class
12.5.2022	Gradient, curl and divergence
13.5.2022	Problems

14.5.2022	Problems
15.5.2022	<b>SUNDAY</b>
16.5.2022	Doubt class
17.5.2022	Assignment
18.5.2022	Test
19.5.2022	Gradient of sums and product and related vector identities
20.5.2022	Problems
21.5.2022	Problems
22.5.2022	<b>SUNDAY</b>
23.5.2022	Doubt class
24.5.2022	Curvilinear coordinates system
25.5.2022	Problems
26.5.2022	Orthogonality
27.5.2022	Problems
28.5.2022	Problems
29.5.2022	<b>SUNDAY</b>
30.5.2022	Doubt class
31.5.2022	Test
01.6.2022	Vector integration
02.6.2022	<b>MAHARANA PRATAP JAYANTI</b>
03.6.2022	Line integral
4.6.2022	Problems
5.6.2022	<b>SUNDAY</b>
6.6.2022	Problems
7.6.2022	Surface integral
8.6.2022	Problems
9.6.2022	Volume integral
10.6.2022	Problems
11.6.2022	Theorem of Gauss



12.6.2022	<b>SUNDAY</b>
13.6.2022	Problems
14.6.2022	Green and Stoke's theorem
15.6.2022	Problems
16.6.2022	Problems
17.6.2022	Doubt class
18.6.2022	Test
19.6.2022	<b>SUNDAY</b>
20.6.2022	Revision
21.6.2022	Revision
22.6.2022	Revision
23.6.2022	Revision
24.6.2022	Revision
25.6.2022	Revision
26.6.2022	<b>SUNDAY</b>
27.6.2022	Revision
28.6.2022	Revision
29.6.2022	Revision
30.6.2022	Revision

**Name of the Assistant/Associate Professor: Ms. Sonia**  
**Class And Section: B.Com 1st yr**  
**Subject: Business Mathematics-2**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of matrix and types of matrix
22..3.2022	Examples of matrix
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Basic operations on matrix
25.3.2022	Multiplication of matrices
26.3.2022	Properties of matrix multiplication
27..3.2022	SUNDAY
28.3.2022	Transpose of a matrix
29.3.2022	Symmetric and skew symmetric matrices
30.3.2022	Doubt discussion
31.3.2022	Test
1.4.2022	Introduction of determinants
2.4.2022	Minors and co-factors
3.4.2022	SUNDAY
4.4.2022	Properties if determinants
5.4.2022	Elementary Operations
6.4.2022	Examples
7.4.2022	Test
8.4.2022	Adjoint of matrix
9.4.2022	<b>Inverse of a square matrix</b>
10.4.2022	SUNDAY
11.4.2022	Results of inverse matrix
12.4.2022	Examples
13.4.2022	Exercise questions
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Inverse of a matrix by using elementary operations
16.4.2022	Cramer's rule
17.4.2022	<b>SUNDAY</b>
18.4.2022	Application of matrix inversion method for solution of system of linear equations to practical problems
19.4.2022	Limit of a function
20.4.2022	Derivative of a function by first principle
21.4.2022	Differentiation of product of two functions
22.4.2022	Differentiation of quotient of functions
23.4.2022	Chain rule
24.4.2022	<b>SUNDAY</b>
25.4.2022	Differentiation of logarithmic and exponential functions
26.4.2022	Differentiation of implicit functions
27.4.2022	Differentiation in case of parametric functions
28.4.2022	Rate of change of quantities
29.4.2022	Maxima and minima
30.4.2022	Absolute maxima and minima
01.5.2022	<b>SUNDAY</b>
02.5.2022	Optimization of economic functions
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Simple interest and compound interest
05.5.2022	Continuous compounding of interest
06.5.2022	Effective rate of interest
07.5.2022	Ratio composition of ratios
08.5.2022	<b>SUNDAY</b>
09.5.2022	Proportion and continuous proportion
10.5.2022	Properties of proportion
11.5.2022	Addendo theorem n examples
12.5.2022	Doubt discussion
13.5.2022	Test

14.5.2022	Percentage
15.5.2022	SUNDAY
16.5.2022	Profit and Loss
17.5.2022	Examples
18.5.2022	Doubt discussion
19.5.2022	Test
20.5.2022	Introduction of annuities
21.5.2022	Types of annuities
22.5.2022	SUNDAY
23.5.2022	Present value of an annuity
24.5.2022	Examples
25.5.2022	Solution of practical problems related to annuities
26.5.2022	Examples
27.5.2022	Present values of annuity when interest is compounded continuously
28.5.2022	Examples
29.5.2022	SUNDAY
30.5.2022	Doubt discussion
31.5.2022	Test
01.6.2022	Revision of ch-1
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Doubt discussion
4.6.2022	Test
5.6.2022	SUNDAY
6.6.2022	Revision of ch-2
7.6.2022	Doubt discussion
8.6.2022	Test
9.6.2022	Revision of ch-3
10.6.2022	Doubt discussion
11.6.2022	Test

12.6.2022	SUNDAY
13.6.2022	Revision of ch-4
14.6.2022	Doubt discussion
15.6.2022	Test
16.6.2022	Revision of ch-5
17.6.2022	Doubt discussion
18.6.2022	Test
19.6.2022	SUNDAY
20.6.2022	Revision of ch-6
21.6.2022	Doubt discussion
22.6.2022	Test
23.6.2022	Revision of ch-7
24.6.2022	Revision
25.6.2022	Doubt discussion
26.6.2022	SUNDAY
27.6.2022	Test
28.6.2022	Revision of ch-8 & 9
29.6.2022	Doubt discussion
30.6.2022	Test

**Name of the Assistant/Associate Professor: Ms. Sonia**  
**Class And Section: B.Sc final year Sec-A & B /B.A final year**  
**Subject: Real and Complex Analysis(BM-361)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of jacobians
22.3.2022	Jacobians and chain rule for jacobians
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Functional dependence for jacobians and examples
25.3.2022	Introduction of Beta function
26.3.2022	Properties of Beta function and examples
27.3.2022	SUNDAY
28.3.2022	Introduction of Gamma function
29.3.2022	Relation between Beta and Gamma and related examples
30.3.2022	Duplication formula and examples
31.3.2022	Doubt discussion of Ex-2.1 & 2.2
1.4.2022	Doubt discussion of Ch-1
2.4.2022	Introduction of double integral
3.4.2022	SUNDAY
4.4.2022	Examples of double integral
5.4.2022	Substitution method for double integral and examples
6.4.2022	Triple integral and substitution method for triple integrals
7.4.2022	Questions of triple integrals
8.4.2022	Application of double and triple integrals for finding area and volume of surfaces
9.4.2022	<b>Examples</b>
10.4.2022	SUNDAY
11.4.2022	Dirichlet's integrals
12.4.2022	Liouville's extension of Dirichlet's integral
13.4.2022	Examples
14.4.2022	DR B.R AMBEDKAR JAYANTI

15.4.2022	Change of order of integration and examples
16.4.2022	Test of ch-2
17.4.2022	<b>SUNDAY</b>
18.4.2022	Introduction of Fourier series
19.4.2022	Euler's formula
20.4.2022	Dirichlet's condition for Fourier expansion
21.4.2022	Properties of Fourier coefficients
22.4.2022	Fourier expansion of functions having points of discontinuity
23.4.2022	Examples
24.4.2022	<b>SUNDAY</b>
25.4.2022	Change of interval and half range series of Fourier series
26.4.2022	Parseval's Identity for Fourier series
27.4.2022	Doubt discussion of ch-4
28.4.2022	Test Ch-4
29.4.2022	Introduction of complex function
30.4.2022	Stereographic projection of complex numbers
01.5.2022	<b>SUNDAY</b>
02.5.2022	Limits and continuity of complex function
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Uniform continuity
05.5.2022	Differentiability of a complex function
06.5.2022	Analytic function
07.5.2022	C-R equation and examples
08.5.2022	<b>SUNDAY</b>
09.5.2022	Harmonic functions and examples
10.5.2022	Doubt discussion
11.5.2022	Test Ch-5
12.5.2022	Introduction of elementary functions
13.5.2022	Properties of trigonometrical functions

14.5.2022	Mapping by elementary functions
15.5.2022	SUNDAY
16.5.2022	Conformal mapping
17.5.2022	Linear transformation
18.5.2022	Mobius transformation
19.5.2022	Cross Ratio
20.5.2022	Inverse point
21.5.2022	Examples
22.5.2022	SUNDAY
23.5.2022	Doubt Discussion of ex-6.1 & 6.2
24.5.2022	Test ch-6
25.5.2022	Introduction of critical mapping
26.5.2022	Logarithmic transformation
27.5.2022	Trigonometric transformation
28.5.2022	Linear fractional transformation
29.5.2022	SUNDAY
30.5.2022	Examples
31.5.2022	Mobius transformation for half plane $\geq 0$
01.6.2022	Mobius transformation for unit circle
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Doubt discussion
4.6.2022	Test of ch-7
5.6.2022	SUNDAY
6.6.2022	Revision of Jacobians
7.6.2022	Doubt Discussion
8.6.2022	Test
9.6.2022	Revision of double integral
10.6.2022	Revision of triple integrals
11.6.2022	Doubt discussion of double and triple integrals



12.6.2022	SUNDAY
13.6.2022	Test
14.6.2022	Revision of Beta function
15.6.2022	Revision of Gamma function
16.6.2022	Doubt discussion
17.6.2022	Test
18.6.2022	Revision of Fourier series
19.6.2022	SUNDAY
20.6.2022	Revision of half range series
21.6.2022	Doubt discussion
22.6.2022	Test
23.6.2022	Revision of complex functions
24.6.2022	Revision of analytic function and harmonic functions
25.6.2022	Doubt discussion
26.6.2022	SUNDAY
27.6.2022	Test
28.6.2022	Revision of critical mapping
29.6.2022	Doubt discussion
30.6.2022	Test

**Name of the Assistant/Associate Professor: Ms. Sonia**  
**Class And Section: B.Sc Sec-B final year**  
**Subject: Linear Algebra(BM-362)**  
**Mode Of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	Introduction of vector space and examples
22..3.2022	Subspace and properties of subspace
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Linear sum of subspace
25.3.2022	Direct sum of sub space
26.3.2022	Examples
27..3.2022	SUNDAY
28.3.2022	Linear combination,linear dependence and independence
29.3.2022	Spanning sets,linear span
30.3.2022	Finitely generated vector space
31.3.2022	Basis of a vector space
1.4.2022	Existence theorem
2.4.2022	Dimensions of a vector space
3.4.2022	SUNDAY
4.4.2022	Theorem related to dimensions of a vector space
5.4.2022	Identical spaces
6.4.2022	Dimension of linear sum
7.4.2022	Complementary subspace
8.4.2022	Test
9.4.2022	<b>Quotient space and dimension of quotient space</b>
10.4.2022	SUNDAY
11.4.2022	Linear transformation
12.4.2022	Properties of linear transformation
13.4.2022	Examples

14.4.2022	DR B.R AMBEDKAR JAYANTI
15.4.2022	One-one, onto transformation
16.4.2022	Theorems of one one and onto transformation
17.4.2022	<b>SUNDAY</b>
18.4.2022	Null space and theorems
19.4.2022	Range space and theorems
20.4.2022	Fundamental theorem of vector space homomorphism
21.4.2022	Rank and nullity theorem
22.4.2022	Test
23.4.2022	Sum of linear transformation
24.4.2022	<b>SUNDAY</b>
25.4.2022	Composition of two linear transformations
26.4.2022	Singular and non singular transformation
27.4.2022	Invertible linear transformation
28.4.2022	Matrix of linear transformation
29.4.2022	Matrices of identity and zero transformation
30.4.2022	Change of basis
01.5.2022	<b>SUNDAY</b>
02.5.2022	Dual space
03.5.2022	<b>ID UL FITR</b>
04.5.2022	Bidual of a vector space
05.5.2022	Annihilator
06.5.2022	Eigen value and eigen vector of a linear transformation
07.5.2022	Similar matrices and theorems
08.5.2022	<b>SUNDAY</b>
09.5.2022	Test
10.5.2022	Diagonalisation

11.5.2022	Minimal polynomial
12.5.2022	Inner product space
13.5.2022	Cauchy schwarz inequality
14.5.2022	Triangle inequality
15.5.2022	SUNDAY
16.5.2022	Orthogonal vector and theorems
17.5.2022	Orthonormal set and theorems
18.5.2022	Bessel's inequality
19.5.2022	Gram-Schmidt theorem
20.5.2022	Examples
21.5.2022	Doubt discussion of exercise
22.5.2022	SUNDAY
23.5.2022	Test
24.5.2022	Adjoint operator
25.5.2022	Self adjoint operator
26.5.2022	Theorem 11.5.3
27.5.2022	Theorem 11.5.4,11.5.5,11.5.6
28.5.2022	Theorem 11.5.7,11.5.8
29.5.2022	SUNDAY
30.5.2022	Theorem 11.5.9,11.5.10
31.5.2022	Theorem 11.5.11,12
01.6.2022	Theorem 11.5.13,14
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Theorem 11.5.15,16,17
4.6.2022	Theorem 11.5.18,19
5.6.2022	SUNDAY
6.6.2022	Theorem 11.5.20,21
7.6.2022	Examples
8.6.2022	Doubt discussion

9.6.2022	Test
10.6.2022	Revision ch-1
11.6.2022	Doubt discussion
12.6.2022	SUNDAY
13.6.2022	Test
14.6.2022	Revision ch-2
15.6.2022	Doubt discussion
16.6.2022	Test
17.6.2022	Revision ch-4
18.6.2022	Doubt discussion
19.6.2022	SUNDAY
20.6.2022	Test
21.6.2022	Revision ch-5
22.6.2022	Revision ch-6 & 7
23.6.2022	Doubt discussion
24.6.2022	Test
25.6.2022	Revision ch-8 & 9
26.6.2022	SUNDAY
27.6.2022	Doubt discussion
28.6.2022	Test
29.6.2022	Revision ch-10 & 11
30.6.2022	Doubt discussion

**Name of the Assistant/Associate Professor**  
**Ms.Manisha Suri**  
**ClassAndSection:B.Sc(Non Med) & B.A. 4<sup>th</sup> sem**  
**Subject: Special Function & Integral Transforms**  
**Subject Code:BM:242**  
**ModeOfTeaching:Offline**  
**LecturesPer Week:6**

Date	TopicToBeCovered
21.3.2022	Introduction to power series and its convergence
22..3.2022	Interval of convergence
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Examples & Exercise problems
25.3.2022	Doubt class
26.3.2022	<u>Various operatio non power series</u>
27..3.2022	SUNDAY
28.3.2022	AnalyticFunction
29.3.2022	<i>Existenceofpowerseriesolutionandtheoremsonit</i>
30.3.2022	Solution of differential equations in series about an ordinary point other than zero
31.3.2022	Frobeniusmethod
1.4.2022	ExampleandExerciseproblems
2.4.2022	Doubtclass
3.4.2022	SUNDAY
4.4.2022	Solutionofdifferenialequationswhenrootsofindicalequations areequal
5.4.2022	<i>ExampleandExercisequestions</i>
6.4.2022	Solution ofindicalequationswhenrootsare un-equal
7.4.2022	Exercise andExample question
8.4.2022	Solution of indical equations when roots are un-equal and differbyaninteger
9.4.2022	ExampleandExercisequestions
10.4.2022	SUNDAY
11.4.2022	Doubtclass

12.4.2022	Introduction to beta function & its property ch-2
13.4.2022	DRB.RAMBEDKAR JAYANTI
14.4.2022	
15.4.2022	<i>Example and Exercise questions</i>
16.4.2022	Representation of Bessel's function in integral form
17.4.2022	SUNDAY
18.4.2022	Exercise and Example problem
19.4.2022	<i>Orthogonality relation to Bessel's function</i>
20.4.2022	Revision/presentation of formulas
21.4.2022	Test Of CH-1 & 2
22.4.2022	<i>Introduction to Legendre's equations and its solution CH-3</i>
23.4.2022	Rodrigue's formula and derivation of Legendre's polynomial from it.
24.4.2022	SUNDAY
25.4.2022	<i>Generating Function</i>
26.4.2022	<i>Recurrence Relation</i>
27.4.2022	Example and Exercise problems
28.4.2022	Doubt class
29.4.2022	Orthogonality of Legendre's polynomial
30.4.2022	<i>Examples and Exercise questions</i>
01.5.2022	SUNDAY
02.5.2022	ID UL FITR
03.5.2022	Assignment of Ch-3
04.5.2022	Introduction to Hermite's equations and its solution CH-4
05.5.2022	<b>Generating Function for Hermite's polynomial</b>
06.5.2022	<i>Examples and Exercise questions</i>
07.5.2022	Rodrigue's formula and derivation of Hermite's polynomial from It
08.5.2022	Recurrence Relation/orthogonal properties
09.5.2022	Exercise and Example problem

10.5.2022	Doubtclass
11.5.2022	Bessel's equations and its solution
12.5.2022	<i>Example and Exercise questions</i>
13.5.2022	Representation of Bessel's function in integral form
14.5.2022	SUNDAY
15.5.2022	Introduction to Laplace transformation ch-5
16.5.2022	<i>Property of Laplace transform</i>
17.5.2022	Example and Exercise questions
18.5.2022	Important results of Laplace transform
19.5.2022	Shifting theorem
20.5.2022	Examples and Exercise problems
21.5.2022	SUNDAY
22.5.2022	Laplace transform of derivative and its problems
23.5.2022	Laplace transform of integrals and its problems
24.5.2022	Laplace transform of some special function
25.5.2022	Example and Exercise questions
26.5.2022	<i>Doubts class</i>
27.5.2022	TEST of Ch-5
28.5.2022	SUNDAY
29.5.2022	Introduction to Inverse Laplace transform ch-6
30.5.2022	Example and Exercise questions
31.6.2022	Convolution theorem
1.6.2022	MAHARANA PRATAP JAYANTI
2.6.2022	Solution of differential equations by transform method
3.6.2022	Examples and Exercise questions
4.6.2022	SUNDAY
5.6.2022	Test of ch-6
6.6.2022	Application of Laplace transformation to integral equations ch-7
7.6.2022	Example and Exercise



8.6.2022	Doubtclass
9.6.2022	SolutionofdifferentialequationsbyLaplacetransformationch-8
10.6.2022	SUNDAY
11.6.2022	ExamplesandExerciseproblems
12.6.2022	Solution of simultaneous Equation
13.6.2022	IntroductiontoFouriertransformandits properties ch-9 & InverseFourier transform
14.6.2022	Convolutiontheorem forFouriertransform
15.6.2022	ExamplesandExerciseproblems
16.6.2022	FouriertransformofderivativeandrelationbetweenFourierandLaplacetransform
17.6.2022	SUNDAY
18.6.2022	ExampleandExerciseproblems
19.6.2022	Doubt Class of Ch-8
20.6.2022	Fouriersine transform & Example and Exercisequestions
21.6.2022	Fouriercosine transform & Example and Exercisequestions
22.6.2022	Solution of differentiable quations by Fourier Transform Ch-10
23.6.2022	Exaamples & Exercise discussed
24.6.2022	SUNDAY
25.6.2022	Revision of Ch-9,10
26.6.2022	Test of Ch-9&8
27.6.2022	Revision of Unit –I
28.6.2022	Revision of Unit –II
29.6.2022	Revision of UnitII
30.6.2022	Revision of Unit-IV

**Name of the Assistant/Associate Professor: Ms. TARUSHI SHARMA**  
**ClassAndSection: B.Sc. (H.S.) 2<sup>nd</sup> sem**  
**Subject: Physics**  
**ModeOfTeaching: Offline**  
**LecturesPer Week: 6**

<b>Date</b>	<b>TopicToBeCovered</b>
21.3.2022	
22.3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27.3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	
06.5.2022	
07.5.2022	Basics of Physics
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	Units and measurements of physical quantities ; Friction
11.5.2022	Work ,Power and Energy ; pressure
12.5.2022	
13.5.2022	

14.5.2022	Archmede's Principles and law of floatation
15.5.2022	SUNDAY
16.5.2022	
17.5.2022	Heat ;Thermal Capacity; latent heat
18.5.2022	Nature of light ; Quantum Theory of light
19.5.2022	
20.5.2022	
21.5.2022	Sound ; wave motion and its types, Assignment
22.5.2022	SUNDAY
23.5.2022	
24.5.2022	Laplace correction ;Transverse vibrations of a string; sonometer
25.5.2022	Test
26.5.2022	
27.5.2022	
28.5.2022	Magnetic Field and its properties; magnetic intensity
29.5.2022	SUNDAY
30.5.2022	
31.5.2022	Electric field ; Electric current ; joule's law and their verification
01.6.2022	Chemical effects of current ; Faraday's law of electrolysis; Assignment
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	
4.6.2022	Test
5.6.2022	SUNDAY
6.6.2022	
7.6.2022	Working and Principle of washing machine, vaccum cleaner
8.6.2022	Working and Principle of other electrical appliances; Assignment
9.6.2022	
10.6.2022	
11.6.2022	Test

12.6.2022	SUNDAY
13.6.2022	
14.6.2022	Working and Principle of photographic camera ,microscope , etc.
15.6.2022	Lightening conductor , gold leaf electroscope ; Assignment
16.6.2022	
17.6.2022	
18.6.2022	Test
19.6.2022	SUNDAY
20.6.2022	
21.6.2022	A.C. generator ; Assignment
22.6.2022	D.C. electric motor
23.6.2022	
24.6.2022	
25.6.2022	Revision
26.6.2022	SUNDAY
27.6.2022	
28.6.2022	Revision
29.6.2022	Revision
30.6.2022	

**Name of the Assistant/Associate Professor: Ms. TARUSHI SHARMA**  
**ClassAndSection: B.Sc. (N.M) 4 th sem**  
**Subject: OPTICS -II ( Physics)**  
**ModeOfTeaching: Offline**  
**LecturesPer Week: 6**

<b>Date</b>	<b>TopicToBeCovered</b>
21.3.2022	
22..3.2022	
23.3.2022	SHAHEEDI DIWAS
24.3.2022	
25.3.2022	
26.3.2022	
27..3.2022	SUNDAY
28.3.2022	
29.3.2022	
30.3.2022	
31.3.2022	
1.4.2022	
2.4.2022	
3.4.2022	SUNDAY
5.4.2022	
6.4.2022	
7.4.2022	
8.4.2022	
9.4.2022	
10.4.2022	SUNDAY
11.4.2022	
12.4.2022	
13.4.2022	
14.4.2022	DRB.RAMBEDKAR JAYANTI

15.4.2022	
16.4.2022	
17.4.2022	<b>SUNDAY</b>
18.4.2022	
19.4.2022	
20.4.2022	
21.4.2022	
22.4.2022	
23.4.2022	
24.4.2022	<b>SUNDAY</b>
25.4.2022	
26.4.2022	
27.4.2022	
28.4.2022	
29.4.2022	
30.4.2022	
01.5.2022	<b>SUNDAY</b>
02.5.2022	
03.5.2022	<b>ID UL FITR</b>
04.5.2022	
05.5.2022	Diffraction and its types
06.5.2022	Fresnel's half period zones
07.5.2022	Zone plate
08.5.2022	<b>SUNDAY</b>
09.5.2022	
10.5.2022	
12.5.2022	Diffraction at a straight edge , Diffraction at a circular aperture

**Name of the Assistant/Associate Professor: Ms. Pooja Rani**  
**Class And Section: B.Sc 2<sup>nd</sup> year Sec A & B**  
**Subject: Mammalian Physiology -2**  
**Mode of Teaching: Offline**  
**Lectures Per Week: 6**

<b>Date</b>	<b>Topic To Be Covered</b>
21.3.2022	-
22..3.2022	-
23.3.2022	SHAHEEDI DIWAS
24.3.2022	Origin, conduction and regulation of heart beat
25.3.2022	Cardiac cycle, Electrocardiogram
26.3.2022	Electrocardiogram, Cardiac output
27..3.2022	SUNDAY
28.3.2022	-
29.3.2022	-
30.3.2022	-
31.3.2022	Fluid pressure and flow pressure in closed and open circulatory system
1.4.2022	Composition and function of blood & lymph
2.4.2022	Mechanism of coagulation of blood
3.4.2022	SUNDAY
4.4.2022	-
5.4.2022	-
6.4.2022	-
7.4.2022	Coagulation factors,
8.4.2022	Anticoagulants
9.4.2022	Haemopoiesis
10.4.2022	SUNDAY
11.4.2022	-
12.4.2022	-
13.4.2022	-
14.4.2022	DR B.R AMBEDKAR JAYANTI
15.4.2022	Exchanged of respiratory gases



16.4.2022	Transport of gases
17.4.2022	<b>SUNDAY</b>
18.4.2022	-
19.4.2022	-
20.4.2022	-
21.4.2022	Lung air volumes
22.4.2022	Oxygen dissociation curve of hemoglobin
23.4.2022	Bohr's effect, Haburger's phenomenon (chloride shift)
24.4.2022	<b>SUNDAY</b>
25.4.2022	-
26.4.2022	-
27.4.2022	-
28.4.2022	Control and regulation of respiration
29.4.2022	Revision
30.4.2022	Test
01.5.2022	<b>SUNDAY</b>
02.5.2022	-
03.5.2022	<b>ID UL FITR</b>
04.5.2022	-
05.5.2022	Patterns of excretory products viz. Amonotelic, ureotelic, uricotelic
06.5.2022	Ornithine cycle (kreb's –Henseleit cycle) for urea formation in liver
07.5.2022	Urine formation
08.5.2022	<b>SUNDAY</b>
09.5.2022	-
10.5.2022	-
11.5.2022	-

12.5.2022	Counter-current mechanism of urine concentration
13.5.2022	Osmoregulation and micturition
14.5.2022	Assignment
15.5.2022	SUNDAY
16.5.2022	-
17.5.2022	-
18.5.2022	-
19.5.2022	Nature, origin and propagation of nerve impulse along with medullated fibres
20.5.2022	Nature, origin and propagation of nerve impulse along with non-medullated fibre
21.5.2022	Conduction of nerve impulse across synapse
22.5.2022	SUNDAY
23.5.2022	-
24.5.2022	-
25.5.2022	-
26.5.2022	Test
27.5.2022	Structure and mechanism of hormone action
28.5.2022	Physiology of hypothalamus
29.5.2022	SUNDAY
30.5.2022	-
31.5.2022	-
01.6.2022	-
02.6.2022	MAHARANA PRATAP JAYANTI
03.6.2022	Physiology of pituitary gland
4.6.2022	Physiology of thyroid and parathyroid gland
5.6.2022	SUNDAY
6.6.2022	-
7.6.2022	-
8.6.2022	-
9.6.2022	Physiology of Adrenal gland

10.6.2022	Physiology of Pancreas
11.6.2022	Physiology of gonads
12.6.2022	SUNDAY
13.6.2022	-
14.6.2022	-
15.6.2022	-
16.6.2022	Assignment
17.6.2022	Spermatogenesis
18.6.2022	Capacitation of spermatozoa
19.6.2022	SUNDAY
20.6.2022	-
21.6.2022	-
22.6.2022	-
23.6.2022	Ovulation and formation of corpus luteum
24.6.2022	Oestrous-anoestrous cycle
25.6.2022	Menstrual cycle in humans and fertilization
26.6.2022	SUNDAY
27.6.2022	-
28.6.2022	-
29.6.2022	-
30.6.2022	Implantation and gestation