K.L MEHTA DAYANAND COLLEGE FOR WOMEN,FARIDABAD

LESSON PLAN FOR THE SESSION 2023-24 (ODD)

Name of the professor: Dr. Meenu Dua **Class And Section:A&B B.Sc.(Non med) 5th sem** **Subject physical chemistry**	
Day 1	Spectroscopy-I :Electromagnetic Radiation, Regions Of Spectrum.
Day 2	Basic Features Of Spectroscopy, Statement Of Born
Day 3	Rota Tional Spectrum -Diatomic Molecules. Energy Levels Of Rigid Rotator
Day 4	Practical Work- Inorganic Analysis
Day 5	Selection Rules, Spectral Intensity Distribution Using Population Distribution
Day 6	Determination Of Bond Length, Qualitative Description Of Non-Rigid
Day 7	Practical Work- Inorganic Analysis
Day 8	Test.
Day 9	Vibrational Spectrum- Infrared Spectrum: Energy Levels Of Simple
Day 10	Practical Work
Day 11	Pure Vibrational Spectrum, Intensity, Determination Of Force Constant
Day 12	Pure Vibrational Spectrum, Intensity, Determination Of Force Constant
Day 13	Effects Of Anharmonic Motion And Isotopic Effect On The Spectra
Day 14	Practical Work- Inorganic Analysis
Day 15	Test And Assignment
Day 16	Raman Spectrum:Concept Of Polarizibility, Pure Rotational And Pure Vibrational
Day 17	Practical Work- Inorganic Analysis
Day 18	Selection Rules, Quantum Theory Of Raman Spectra.
Day 19	Quantum Mec Hanics-I Black-Body Radiation.
Day 20	Practical Work- Inorganic Analysis
Day 21	Plank's Radiation Law
Day 22	Photoelectric Effect, Heat Capacity Of Solids.
Day 23	Practical Work- Inorganic Analysis
Day 24	Compton Effect, Wave Function And Its Significance.
Day 25	Compton Effect, Wave Function And Its Significance.
Day 26	Postulates Of Quantum Mechanics
Day 27	Practical Work- Inorganic Salt Analysis
Day 28	Practical Work- Inorganic Salt Analysis
Day 29	Test And Assignment
Day 30	Revision
Day 31	Quantum Mechanical Operator, Commutation Relations
Day 32	Hamiltonal Operator.
Day 33	Practical Work- Inorganic Salt Analysis
Day 34	Practical Work- Inorganic Salt Analysis
Day 35	Hermitian Operator, Average Value Of Square Of Hermitian
Day 36	Role Of Operators In Quantum Mechanics
Day 37	Practical Work- Inorganic Salt Analysis
Day 38	Practical Work- Inorganic Salt Analysis
Day 39	To Show Quantum Mechanically That Position And Momentum
Day 40	To Show Quantum Mechanically That Position And Momentum

Day 41	Practical Work- Inorganic Salt Analysis
Day 42	Practical Work- Inorganic Salt Analysis
Day 43	Assignment
Day 44	Test
Day 45	Practical Work- Inorganic Salt Analysis
Day 46	Practical Work- Inorganic Salt Analysis
Day 47	Determination Of Wave Function & Energy Of A Particle Inone
Day 48	Pictorial Representation And Its Significance.
Day 49	Practical Work- Inorganic Salt Analysis
Day 50	Practical Work- Inorganic Salt Analysis
Day 51	Optical Activity, Polarization – (Clausius–Mossotti Equa T Ion).
Day 52	Optical Activity, Polarization – (Clausius–Mossotti Equa T Ion).
Day 53	Practical Work- Inorganic Salt Analysis
Day 54	Practical Work- Inorganic Salt Analysis
Day 55	Orientation O F D Ipoles In An Electric Field , Dipole Moment.
Day 56	Orientation O F D Ipoles In An Electric Field , Dipole Moment.
Day 57	Practical Work- Inorganic Salt Analysis
Day 58	Practical Work- Inorganic Salt Analysis
Day 59	Measurement Of Dipole Moment-Temperature Method
Day 60	Refractivity Method.
Day 61	Practical Work – Paper Chromatography
Day 62	Practical Work – Paper Chromatography
Day 63	Dipole Moment And Structure Of Molecules.
Day 64	Dipole Moment And Structure Of Molecules.
Day 65	Practical Work – Paper Chromatography
Day 66	Practical Work – Paper Chromatography
Day 67	Magnetic Permeability, Magnetic Susceptibility
Day 68	Magnetic Permeability, Magnetic Susceptibility
Day 69	Practical Work – Paper Chromatography
Day 70	Practical Work - Paper Chromatography
Day 71	Application Of Magnetic Susceptibility
Day 72	Paramagnetism, Diamagnetism A Nd Ferromagnetics.
Day 73	Assignment
Day 74	Test
Day 75	Doubt Class
Day 76	Doubt Class
Day 77	Test Of Unit 1 & 2
Day 78	Doubt Class
Day 79	Doubt Class
Day 80	Test Of Unit 3& 4
Day 81	Revision
Day 82	Revision
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision

Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor: Dr. Beena Sethi **Class And Section: BSc Non Med 3rd Sem** **Subject: Inorganic Chemistry**	
Day 1	Introduction to D-Block Elements,Position in the periodic table
Day 2	General characteristic and properties of d block elements
Day 3	Practical Work- Organic Compound Analysis
Day 4	Comparsion of properties of 3d elements with 4d and 5d elements
Day 5	Conparsion of magnetic and spectral properties ,stereochemistry
Day 6	Practical Work- Organic Compound Analysis
Day 7	Practical Work- Organic Compound Analysis
Day 8	Stability of various oxidation states and e.m.f
Day 9	Practical Work- Organic Compound Analysis
Day 10	Practical Work- Organic Compound Analysis
Day 11	Structures and properties of some compounds of transition elements
Day 12	Practical Work- Organic Compound Analysis
Day 13	Assignment
Day 14	Practical Work- Organic Compound Analysis
Day 15	Practical Work- Organic Compound Analysis
Day 16	Test of D Block elements
Day 17	Introduction to coordination compounds
Day 18	Werner's theory of coordination
Day 19	Practical Work- Organic Compound Analysis
Day 20	Assignment
Day 21	Test
Day 22	Practical Work- Organic Compound Analysis
Day 23	Practical Work- Organic Compound Analysis
Day 24	Types of ligands ,chelates,effects
Day 25	Types of ligands ,chelates,effects
Day 26	Practical Work- Organic Compound Analysis
Day 27	Practical Work- Organic Compound Analysis
Day 28	Nomenclature of coordination compunds
Day 29	Nomenclature of coordination compunds
Day 30	Practical Work- Organic Compound Analysis
Day 31	Practical Work- Organic Compound Analysis
Day 32	Effective atomic number and Practice of nomenclature
Day 33	Effective atomic number and Practice of nomenclature
Day 34	Practical Work- Organic Compound Analysis
Day 35	Practical Work- Organic Compound Analysis
Day 36	Assignment
Day 37	Practical Work- Organic Compound Analysis

Day 38	Practical Work- Organic Compound Analysis
Day 39	Practical Work- Organic Compound Analysis
Day 40	Isomerism in coordination compounds
Day 41	Isomerism in coordination compounds
Day 42	Practical Work- Organic Compound Analysis
Day 43	Practical Work- Organic Compound Analysis
Day 44	Geometrical and optical isomerism
Day 45	Geometrical and optical isomerism
Day 46	Practical Work- Organic Compound Analysis
Day 47	Practical Work- Organic Compound Analysis
Day 48	Practical Work- Organic Compound Analysis
Day 49	Valence bond theory of transition metal complexes
Day 50	Valence bond theory of transition metal complexes
Day 51	Practical Work- Organic Compound Analysis
Day 52	Practical Work- Organic Compound Analysis
Day 53	Applications of valence bond theory
Day 54	Colours and Magnetic properties of coordination compounds
Day 55	Practical Work- Organic Compound Analysis
Day 56	Practical Work- Organic Compound Analysis
Day 57	Limitations of VBT and Doubt class
Day 58	Assignment
Day 59	Practical Work- Organic Compound Analysis
Day 60	Practical Work- Organic Compound Analysis
Day 61	Types of solvents
Day 62	Test
Day 63	Practical Work- Organic Compound Analysis
Day 64	Practical Work- Organic Compound Analysis
Day 65	Non aqueous solvents ,physical properties of solvents
Day 66	Non aqueous solvents ,physical properties of solvents
Day 67	Practical Work- Organic Compound Analysis
Day 68	Practical Work- Organic Compound Analysis
Day 69	Practical Work- Organic Compound Analysis
Day 70	Non aqueous solvents- general properties
Day 71	Non aqueous solvents- general properties
Day 72	Practical Work- Organic Compound Analysis
Day 73	Practical Work- Organic Compound Analysis
Day 74	Reactions in non aqueous solvents with reference to liquid ammonia
Day 75	Reactions in non aqueous solvents with reference to liquid ammonia
Day 76	Practical Work- Organic Compound Analysis
Day 77	Practical Work- Organic Compound Analysis
Day 78	Practical Work- Organic Compound Analysis
Day 79	Assignment
Day 80	Test
Day 81	Revision and Doubt class of Unit-1
Day 82	Revision and Doubt class of Unit-2
Day 83	Revision and Doubt class of Unit-3
Day 84	Practice of important questions
Day 85	Practice of important questions
Day 86	Revision

Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Dr Shveta Arya

Class: B.Sc Medical 5th Semester

Subject: Ecology & Evolution

Day 1	Introduction To The Syllabus & Books
Day 2	Introduction To Ecology
Day 3	History Of Ecology
Day 4	Ecological Hierarchy
Day 5	Different Branches And Significance Of Ecology
Day 6	Concept Of Habitat And Ecological Niche
Day 7	Abiotic Factors- Light And Temperature
Day 8	Abiotic Factors- Light And Temperature
Day 9	Abiotic Factors -Humidity, Topography, Edaphic Factors
Day 10	Concept And Components Of Ecosystem
Day 11	Properties And Functions Of Ecosystem
Day 12	Test
Day 13	Ecological Energetics And Energy Flow -Food Chain
Day 14	Food Web ,Trophic Structure
Day 15	Ecological Pyramids
Day 16	Concept Of Productivity
Day 17	Concept Of Productivity
Day 18	Biotic Factors- Positive Interactions
Day 19	Biotic Factors- Positive Interactions
Day 20	Biotic Factors- Negative Interactions
Day 21	Biotic Factors-Negative Interactions
Day 22	Biogeochemical Cycles- Concept, Reservoir Pool
Day 23	Gaseous Cycles-Carbon Cycle
Day 24	Oxygen Cycle
Day 25	Nitrogen Cycle
Day 26	Other Cycles
Day 27	Water Cycle
Day 28	Phosphorus Cycle
Day 29	Sulphur Cycle
Day 30	Test
Day 31	Estimation Of Chloride Ions In The Given Sample Of Water
Day 32	Estimation Of Free Carbon Dioxide In The Given Sample Of Water
Day 33	To Determine The Ph Of Given Sample Of Water & Soil
Day 34	Detection Of Phosphates & Nitrates In The Given Sample Of Water
Day 35	Detection Of Phosphates & Nitrates In The Given Sample Of Soil
Day 36	Population-Growth And Regulation
Day 37	Population-Growth And Regulation
Day 38	Population-Growth And Regulation

Day 39	Revision
Day 40	Test
Day 41	Origin Of Life
Day 42	Origin Of Life- Chemical Evolution
Day 43	Origin Of Life- Chemical Evolution
Day 44	Test
Day 45	Morphological & Anatomical Evidences Of Evolution
Day 46	Morphological & Anatomical Evidences Of Evolution
Day 47	Morphological & Anatomical Evidences Of Evolution
Day 48	Embryological Evidences Of Evolution
Day 49	Embryological Evidences Of Evolution
Day 50	Palaentological Evidences Of Evolution
Day 51	Palaentological Evidences Of Evolution
Day 52	Biogeographical Evidences Of Evolution
Day 53	Evidences Of Evolution-Physiology, Biochemistry, Taxonomy, Genetics
Day 54	Evidences Of Evolution-Physiology, Biochemistry, Taxonomy, Genetics
Day 55	Revision
Day 56	Lamarck's Theory Of Evolution
Day 57	Lamarck's Theory Of Evolution
Day 58	Lamarck's Theory Of Evolution
Day 59	Darwin's Theory Of Evolution
Day 60	Darwin's Theory Of Evolution
Day 61	Darwin's Theory Of Evolution
Day 62	De Vries Mutation Theory Of Evolution
Day 63	De Vries Mutation Theory Of Evolution
Day 64	Modern Synthetic Theory Of Evolution
Day 65	Modern Synthetic Theory Of Evolution
Day 66	Modern Synthetic Theory Of Evolution
Day 67	Revision
Day 68	Test
Day 69	Concept Of Speciation
Day 70	Concept Of Speciation
Day 71	Types Of Speciation
Day 72	Types Of Speciation
Day 73	Reproductive Isolation
Day 74	Reproductive Isolation
Day 75	Concept Of Micro - Evolution
Day 76	Concept Of Micro - Evolution
Day 77	Concept Of Macro - Evolution
Day 78	Concept Of Macro - Evolution
Day 79	Concept Of Mega - Evolution
Day 80	Test
Day 81	Phylogeny Of Horse
Day 82	Phylogeny Of Horse
Day 83	Phylogeny Of Horse
Day 84	Phylogeny Of Horse Through Charts
Day 85	Evolution Of Man-Prosimian Ancestors

Day 86	Evolution Of Man- Amthropoid Ancestors
Day 87	Study Of Human Evolution Through Models
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Dr. Shveta Arya **Class: Bsc. Medical 5th Semester** **Subject: Fish & Fisheries Theory & Practical**	
Day 1	Introduction To The Syllabus And Discussion About Books.
Day 2	Introduction To World Fisheries: Production, Utilization And Demand
Day 3	Continued
Day 4	Fresh Water Fishes Of India: River System
Day 5	Pond Fisheries
Day 6	Tank Fisheries, Captive And Culture Fisheries
Day 7	Continued
Day 8	Reservoir Fisheries
Day 9	Test
Day 10	Cold Water Fisheries
Day 11	Discussion Regarding Fresh Water Fisheries
Day 12	Fishing Gears
Day 13	Continued
Day 14	Fishing Crafts
Day 15	Test
Day 16	Fin Fishes And Their Culture
Day 17	Crustaceans And Their Culture
Day 18	Mollusca And Their Culture
Day 19	Seeds Production
Day 20	Natural Seed Resources -Its Assessment, Collection, Hatchery
Day 21	Continued
Day 22	Discussion Regarding Seed Production
Day 23	Nutrition: Sources Of Food (Natural, Artificial)
Day 24	Test
Day 25	Feed Composition (Calorie And Chemical Ingredients).
Day 26	Field Culture: Ponds
Day 27	Continued
Day 28	Cage Culture
Day 29	Continued
Day 30	Polyculture
Day 31	Continued

Day 32	Revision
Day 33	Test
Day 34	Running Water Culture
Day 35	Continued
Day 36	Test
Day 37	Recycled Water Culture
Day 38	Culture Technology: Biotechnology, Gene Manipulation
Day 39	Continued
Day 40	Cryopreservation
Day 41	Revision
Day 42	Test Of Unit-4
Day 43	Revision
Day 44	Test
Day 45	Revision
Day 46	Study Of Slides Of Parasites
Day 47	Study Of Slides Of Parasites
Day 48	Study Of Slides Of Parasites
Day 49	Identification Of Prawns, Crabs, Oysters
Day 50	Identification Of Prawns, Crabs, Oysters
Day 51	Test
Day 52	Chemical Analysis Of Pond Water And Soil For Ph
Day 53	Chemical Analysis Of Pond Water And Soil For Ph
Day 54	Chemical Analysis Of Pond Water And Soil For Dissolved Oxygen
Day 55	Chemical Analysis Of Pond Water And Soil For Dissolved Oxygen
Day 56	Chemical Analysis Of Pond Water And Soil For Co_2
Day 57	Chemical Analysis Of Pond Water And Soil For Co_2
Day 58	Chemical Analysis Of Pond Water And Soil For Nitrates
Day 59	Chemical Analysis Of Pond Water And Soil For Nitrates
Day 60	Chemical Analysis Of Pond Water And Soil For Nitrates
Day 61	Chemical Analysis Of Pond Water And Soil For Phosphates
Day 62	Chemical Analysis Of Pond Water And Soil For Phosphates
Day 63	Chemical Analysis Of Pond Water And Soil For Chlorides
Day 64	Chemical Analysis Of Pond Water And Soil For Chlorides
Day 65	Chemical Analysis Of Pond Water And Soil For Chlorides
Day 66	Revision
Day 67	Test
Day 68	Study Of Cast Net
Day 69	Study Of Cast Net
Day 70	Study Of Cast Net
Day 71	Study Of Cast Gill Net
Day 72	Study Of Cast Gill Net
Day 73	Study Of Cast Gill Net
Day 74	Revision
Day 75	Revision
Day 76	Study Of Cast Drift Net
Day 77	Study Of Cast Drift Net
Day 78	Study Of Cast Drift Net

Day 79	Test
Day 80	Revision
Day 81	Revision
Day 82	Study Of Cast Drag Net
Day 83	Study Of Cast Drag Net
Day 84	Study Of Cast Drag Net
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Test
Day 89	Test
Day 90	Revision

Name of the professor: Ms. Indu Rani **Class And Section: B.Sc Medical 1st sem** **Subject: Cell Biology**	
Day 1	Introduction of cell biology
Day 2	Types of cells
Day 3	Prokaryotic cell : structure
Day 4	Eukaryotic cell : structure
Day 5	Difference between Prokaryotic and eukaryotic cell
Day 6	Cell wall : composition
Day 7	Cell wall : composition
Day 8	Plasma membrane: structure
Day 9	Plasma membrane: composition
Day 10	Unit membrane model
Day 11	Fluid mosaic model
Day 12	Functions of cell membrane
Day 13	Cell sap
Day 14	Cell organelles: General characteristic
Day 15	Endoplasmic Reticulum: structure
Day 16	Endoplasmic Reticulum: Functions
Day 17	Golgi apparatus: structure
Day 18	Golgi apparatus: Functions
Day 19	Mitochondria: structure
Day 20	Mitochondria: Functions
Day 21	Ribosome: structure
Day 22	Ribosome: Functions
Day 23	Chloroplast: structure
Day 24	Chloroplast: Functions
Day 25	Other micro bodies
Day 26	Other micro bodies
Day 27	Peroxisome: structure and Functions
Day 28	Nucleus: structure
Day 29	Functions
Day 30	Nucleolus: structure
Day 31	Functions
Day 32	Nuclear pore complex and Functions
Day 33	Chromosomes:structure
Day 34	Chromosomes: types on the basis of centromere position
Day 35	Heterochromatin and euchromatin region
Day 36	Nucleosome model
Day 37	Genetic material: DNA
Day 38	Special types of chromosome: General characteristic
Day 39	Lamp brush chromosome
Day 40	Polytene chromosome

Day 41	Sex chromosome
Day 42	Cell division: General introduction
Day 43	Amitosis and mitosis
Day 44	Meiosis
Day 45	Meiosis and significance
Day 46	Group I – Bacteria slides
Day 47	Group I – study of virus
Day 48	Group II - Bacteria slides
Day 49	Group II - study of virus
Day 50	Group III - Bacteria slides
Day 51	Group III - study of virus
Day 52	Group I –File Check
Day 53	Group I - Nostoc
Day 54	Group II - File Check
Day 55	Group II - Nostoc
Day 56	Group III - File Check
Day 57	Group III - Nostoc
Day 58	Group I - Volvox
Day 59	Group I - Oedogonium
Day 60	Group II - Volvox
Day 61	Group II - Oedogonium
Day 62	Group III - Volvox
Day 63	Group III - Oedogonium
Day 64	Group I - File Check
Day 65	Group I -Polysiphonia
Day 66	Group II - File Check
Day 67	Group II - Polysiphonia
Day 68	Group III - File Check
Day 69	Group III - Polysiphonia
Day 70	Group I – Mitosis
Day 71	Group I -Meiosis
Day 72	Group II - Mitosis
Day 73	Group II - Meiosis
Day 74	Group III - Mitosis
Day 75	Group III - Meiosis
Day 76	Group I –File check
Day 77	Group I -Phytophthora
Day 78	Group II - File check
Day 79	Group II - Phytophthora
Day 80	Group III - File check
Day 81	Group III - Phytophthora
Day 82	Group I -Albugo
Day 83	Group I -Aspergillus
Day 84	Group II - Albugo
Day 85	Group II - Aspergillus
Day 86	Group III - Albugo
Day 87	Group I -Aspergillus
Day 88	Group I -Agaricus
Day 89	Group II -Agaricus
Day 90	Group III -Agaricus

Name of the Assistant Professor: Ms.Indu Rani **Class And Section: Bsc.Medical 1st Sem.** **Subject: Diversity of microbes**	
Day 1	Discovery and general characters of virus.
Day 2	General structure of viruses
Day 3	DNA virus and RNA virus
Day 4	Lytic and lysogenic cycle of virus
Day 5	Discovery and general characters of bacteria
Day 6	Types of bacteria
Day 7	Cell structure and nutrition in bacteria
Day 8	Transformation and transduction
Day 9	Conjugation in bacteria
Day 10	Test
Day 11	General characters of cyanobacteria
Day 12	Thallus organization and cell structure
Day 13	Reproduction and life cycle of Nostoc
Day 14	Economic Importance of cyanobacteria
Day 15	General characters of algae
Day 16	Thallus organization and cell structure
Day 17	Reproduction in algae
Day 18	Classification of algae
Day 19	Economic Importance
Day 20	Test
Day 21	Morphology and life cycle of Volvox
Day 22	Morphology and life cycle of Volvox
Day 23	Morphology and life cycle of Oedogonium
Day 24	Morphology and life cycle of Oedogonium
Day 25	Morphology and life cycle of Vaucheria
Day 26	Morphology and life cycle of Vaucheria
Day 27	Morphology and life cycle of Ectocarpous
Day 28	Morphology and life cycle of Ectocarpous
Day 29	Morphology and life cycle of Polysiphonia
Day 30	Morphology and life cycle of Polysiphonia
Day 31	Test
Day 32	General characters of fungi
Day 33	Thallus organization in fungi
Day 34	Nutrition and reproduction in fungi
Day 35	Classification of fungi
Day 36	Morphology and life cycle of Phytophthora
Day 37	Morphology and life cycle of Mucor
Day 38	Morphology and life cycle of Mucor
Day 39	Morphology and life cycle of Penicillium
Day 40	Morphology and life cycle of Penicillium
Day 41	Morphology and life cycle of Puccinia
Day 42	Morphology and life cycle of Puccinia
Day 43	Morphology and life cycle of Agaricus

Day 44	Morphology and life cycle of Agaricus
Day 45	Morphology and life cycle of Colletotrichum
Day 46	Economic Importance of fungi
Day 47	Lichens
Day 48	Test
Day 49	Revision
Day 50	Revision
Day 51	Revision
Day 52	Practical Group 1- Nostoc
Day 53	Group 1- Volvox
Day 54	Group 2- Nostoc
Day 55	Group 2- Volvox
Day 56	Group 3 - Nostoc
Day 57	Group 3 - Volvox
Day 58	Group 1 – File check
Day 59	Group 1- oedogonium
Day 60	Group 2– File check
Day 61	Group 2- oedogonium
Day 62	Group 3- File check
Day 63	Group 3- oedogonium
Day 64	Group 1- Vaucheria
Day 65	Group1- Ectocarpous
Day 66	Group 2- Vaucheria
Day 67	Group 2- Ectocarpous
Day 68	Group 3- Vaucheria
Day 69	Group 3- Ectocarous
Day 70	Group 1 – Polysiphonia
Day 71	Group 1 – File check
Day 72	Group 2- Polysiphonia
Day 73	Group 2- File check
Day 74	Group 3- Polysiphonia
Day 75	Group 3- File check
Day 76	Group 1- Phytophthora
Day 77	Group 1- Albugo
Day 78	Group 2- Phytophthora
Day 79	Group 2 -Albugo
Day 80	Group 3- Phytophthora
Day 81	Group 3 - Albugo
Day 82	Group 1 -Puccinia
Day 83	Group 1- Penicillum
Day 84	Group 2- puccinia
Day 85	Group 2- Penicillium
Day 86	Group 3- Puccinia
Day 87	Group 3 – Penicillium
Day 88	Group 1 - Mucor
Day 89	Group 2 - Mucor
Day 90	Group 3 - Mucor

Name of the Assistant Professor: Dr. Shipra Jha **Class And Section: B.Sc. Medical 2nd year 3rd sem** **Subject: Biology and Diversity of Seed Plant-I**	
Day 1	Introduction of Syllabus
Day 2	General Characters of Gymnosperm
Day 3	Origin and Evolution of Gymnosperms
Day 4	Pilger and Melchior's system of classification of Gymnosperm
Day 5	Pilger and Melchior's system of classification of Gymnosperm
Day 6	Fossils and Fossilization: Introduction
Day 7	Types and Importance of Fossils
Day 8	Reconstruction of Lyginopteris
Day 9	Reconstruction of Lyginopteris
Day 10	Test
Day 11	Reconstruction of Williamsonia
Day 12	Reconstruction of Williamsonia
Day 13	Reconstruction of Cycadeoidea
Day 14	Reconstruction of Cycadeoidea
Day 15	Oral Test on Unit II
Day 16	External morphology of Cycas
Day 17	Corolloid roots of Cycas
Day 18	Leaflet of Cycas
Day 19	Cycas Rachis: Anatomy
Day 20	Development of male gametophyte in Cycas
Day 21	Development of female gametophyte in Cycas
Day 22	Structure of Ovule and post fertilization changes in Cycas
Day 23	Sporophyte Development in Cycas
Day 24	Explantion of alternation of generation in Cycas
Day 25	External morphology of Pinus
Day 26	Anatomy of root, dwarf and long shoots of Pinus
Day 27	T.S. of Pinus needle
Day 28	Development of male gametophyte in Pinus
Day 29	Development of female gametophyte in Pinus
Day 30	Structure of Ovule and post fertilization changes in Pinus
Day 31	Sporophyte Development in Pinus (Polyembryony)
Day 32	Explantion of alternation of generation in Pinus
Day 33	Test
Day 34	External morphology of Ephedra
Day 35	Anatomy of root, scale leaves
Day 36	Development of male and female strobilus
Day 37	Development of male gametophyte in Ephedra
Day 38	Development of female gametophyte in Ephedra
Day 39	Embryo development in Ephedra
Day 40	Revision
Day 41	Test
Day 42	Revision of Unit I
Day 43	General Characters of Angiosperms
Day 44	Geological Time Scale
Day 45	Revision
Day 46	Cycas – External Morphology (Group I)

Day 47	*Cycas* – Old root and normal root (Group I)
Day 48	Cycas – External Morphology (Group II)
Day 49	*Cycas* – Old root and normal root (Group II)
Day 50	Cycas – External Morphology (Group III)
Day 51	*Cycas* – Old root and normal root (Group III)
Day 52	*Cycas* - Rachis and leaflet (Group I)
Day 53	*Cycas* - Male cone and microsporophyll (Group I)
Day 54	Cycas - Rachis and leaflet (Group II)
Day 55	Cycas - Male cone and microsporophyll (Group II)
Day 56	*Cycas* - Rachis and leaflet (Group III)
Day 57	*Cycas* - Male cone and microsporophyll (Group III)
Day 58	*Cycas* - Megasporophyll and Megasporangia (Group I)
Day 59	*Cycas* - Ovule and seed (Group I)
Day 60	Cycas - Megasporophyll and Megasporangia (Group II)
Day 61	Cycas - Ovule and seed (Group II)
Day 62	*Cycas* - Megasporophyll and Megasporangia (Group III)
Day 63	Pinus – microsporophyll (Group II)
Day64	*Pinus – Female Cone* (Group II)
Day 65	*Pinus* – microsporophyll (Group III)
Day 66	*Pinus* – Female Cone (Group III)
Day 67	*Pinus* – Megasporophyll (Group I)
Day 68	Pinus – Ovule and Seed (Group I)
Day 69	*Pinus* – Megasporophyll (Group II)
Day 70	*Pinus* – Ovule and seed (Group II)
Day 71	*Pinus* – Megasporophyll (Group III)
Day 72	*Pinus – Ovule and* seed(Group III)
Day 73	*Ephedra* external morphology (Group I)
Day 74	*Ephedra* – Stem (Group I)
Day 75	Ephedra external morphology (Group II)
Day 76	Ephedra – Stem (Group II)
Day 77	*Ephedra* external morphology (Group III)
Day 78	*Ephedra* – Stem (Group III)
Day 79	*Ephedra* – Male Strobili (Group I)
Day 80	*Ephedra* – Male Flower (Group I)
Day 81	*Ephedra* – male Strobili (Group II)
Day 82	*Ephedra* – male flower (Group II)
Day 83	*Ephedra* – male Strobili (Group III)
Day 84	*Ephedra* – male flower (Group III)
Day 85	*Ephedra* – Female Flower(Group I)
Day 86	*Ephedra* – Ovule and seed (Group I)
Day 87	*Ephedra* – Female Flower (Group II)
Day 88	Ephedra – Ovule and seed (Group II)
Day 89	Ephedra – Female Flower (Group III)
Day 90	*Ephedra* – Ovule and seed (Group III)

Name of the Assistant Professor: Dr. Shipra Jha **Class And Section: B.Sc. Medical 2nd year 3rd sem** **Subject: Plant Anatomy**	
Day 1	Introduction of Syllabus
Day 2	Tissues: meristematic and permanent
Day 3	Simple permanent tissues
Day 4	Structure and Function of Xylem
Day 5	Structure and Function of Phloem
Day 6	Tissue system: Epidermal, Ground and Vascular
Day 7	Tissue system: Epidermal, Ground and Vascular
Day 8	Shoot apical meristem
Day 9	Histological organizations of shoot apical meristem
Day 10	Test
Day 11	Introduction of Vascular Cambium
Day 12	Structure and function of vascular cambium
Day 13	Assignment
Day 14	Secondary growth in Dicot stem
Day 15	Characteristics of growth rings
Day 16	Sap wood and Heart wood
Day 17	Periderm and its importance
Day 18	Anomalous secondary growth in Boerhaavia
Day 19	Anomalous secondary growth in Dracaena
Day 20	Anomalous secondary growth in Achyranthes
Day 21	Test
Day 22	Phyllotaxy in leaves
Day 23	Types of leaves: Simple and compound
Day 24	Uniseriate and multiseriate epidermis
Day 25	Anatomy of Dicot leaf
Day 26	Anatomy of monocot leaf
Day 27	Cell inclusions in leaf
Day 28	Leaf abscission
Day 29	Stomatal apparatus and their morphological type
Day 30	Oral test on unit III
Day 31	Root apical meristem
Day 32	Histological organization of root apical meristem
Day 33	Oral test
Day 34	Secondary growth in Dicot root
Day 35	Structural modification in roots (Storage, Respiratory, Epiphytic)
Day 36	Structural modification in roots (Storage, Respiratory, Epiphytic)
Day 37	Oral test
Day 38	Revision
Day 39	Doubt session
Day 40	Doubt session
Day 41	Revision
Day 42	Revision
Day 43	Revision

Day 44	Revision
Day 45	Revision
Day 46	Introduction of the general terms (Group I)
Day 47	Monocot stem section (Group I)
Day 48	Introduction of the general terms (Group II)
Day 49	Monocot stem section (Group II)
Day 50	Introduction of the general terms (Group III)
Day 51	Monocot stem section (Group III)
Day 52	Dicot Stem section (Group I)
Day 53	Permanent slide preparation of monocot and dicot Stem (Group I)
Day 54	Dicot Stem section(Group II)
Day 55	Permanent slide preparation of monocot and dicot Stem (Group II)
Day 56	Dicot Stem section (Group III)
Day 57	Permanent slide preparation of monocot and dicot Stem (Group III)
Day 58	Monocot root section (Group I)
Day 59	Dicot root section (Group I)
Day 60	Monocot root section (Group II)
Day 61	Comparative study of stem(Group I)
Day 62	Comparative study of leaf (Group I)
Day 63	Comparative study of stem (Group II)
Day64	Comparative study of leaf (Group II)
Day 65	Comparative study of stem (Group III)
Day 66	Comparative study of leaf (Group III)
Day 67	Comparative study of root(Group I)
Day 68	*Achyranthus* stem (Group I)
Day 69	Comparative study of root((Group II)
Day 70	Achyranthus stem (Group II)
Day 71	Comparative study of root((Group III)
Day 72	*Achyranthus* stem (Group III)
Day 73	Permanent slide preparation of *Achyranthus* (Group I)
Day 74	*Boerhaavia* stem (Group I)
Day 75	Permanent slide preparation of Achyranthus (Group II)
Day 76	Boerhaavia stem (Group II)
Day 77	Permanent slide preparation of *Achyranthus* (Group III)
Day 78	*Boerhaavia* stem (Group III)
Day 79	Permanent slide preparation of B*oerhaavia* (Group I)
Day 80	*Dracaena* stem(Group I)
Day 81	Permanent slide preparation of Boerhaavia (Group II)
Day 82	Dracaena stem (Group II)
Day 83	Permanent slide preparation of B*oerhaavia* (Group III)
Day 84	*Dracaena* stem (Group III)
Day 85	Permanent slide preparation of Dracaena stem (Group I)
Day 86	Revision (Group I)
Day 87	Permanent slide preparation of Dracaena stem (Group II)
Day 88	Revision (Group II)
Day 89	Permanent slide preparation of Dracaena stem (Group III)
Day 90	Revision (Group III)

Name of the Assistant Professor:Dr. Sheel Singh **Class And Section: B.Sc. Medical 5th semester** **Subject: Plant physiology**	
Day 1	Properties of solution suspension and colloids
Day 2	Colloidal nature of protoplasm
Day 3	Permeability and theories of membrane permeability and factors
Day 4	Imbibition and diffusion
Day 5	Imbibition pressure, diffusion pressure and factors
Day 6	Osmosis, TP,WP, DPD, water potential, plasmolysis and de plasmolysis
Day 7	Test from the topics which are taught
Day 8	Absorption and transportation of water
Day 9	Ascent of SAP theories criticism and factors
Day 10	Physiology of guard cell and theories
Day 11	Absorption and transportation of minerals
Day 12	Update of mineral nutrition active and passive methods
Day 13	Mineral nutrition macro nutrients
Day 14	mineral nutrition classification type and micronutrients
Day 15	Deficiencies symptoms occurrence and importance of micronutrients
Day 16	Deficiency symptoms occurrence and importance of macro nutrients to plants
Day 17	test of translocation and mineral nutrition
Day 18	Photosynthesis introduction and basic concept
Day 19	Photochemical reaction and light reaction
Day 20	Z scheme and photophosphorylation
Day 21	Dark reaction in photosynthesis
Day 22	C3 and C4 cycle
Day 23	C2 cycle and photorespiration
Day 24	Factors affecting rate of photosynthesis
Day 25	significance of photosynthesis an blackman law of limiting factor
Day 26	Revision of photosynthesis
Day 27	test related to photosynthesis
Day 28	growth and development in plants and growth regulators
Day 29	growth and development in plants and growth regulators
Day 30	Growth hormone gibberellin in its history and biosynthesis
Day 31	Gibberellin Physiological role and significance
Day 32	Class test from mineral And nutrition
Day 33	Growth hormone cytokinin its history physiological role
Day 34	Growth hormone ethylene and abscisic acid
Day 35	Class test from growth hormone
Day 36	Physiology of flowering vernalization its introduction
Day 37	photoperiodism introduction short day long day
Day 38	photoperiodism role of phytochrome Anthesin and florigen
Day 39	Flowering hormone and gibberellin
Day 40	Comparison between vernalization photoperiodism
Day 41	introduction to dormancy and germination of seeds, quiescence
Day 42	Physiology of seed germination
Day 43	Plant movement its types and differences

Day 44	Revision
Day 45	Class test of unit 4th
Day 46	To perform the phenomena of endosmois using raisins
Day 47	To perform the phenomena of endomosis using potato osmoscope
Day 48	To perform the phenomenon of endosmois using raisin
Day 49	To perform the phenomenon of endosmois using potato osmoscope
Day 50	To perform the phenomenon of endosmois using raisin
Day 51	To perform the phenomenon of endosmois using potato osmoscope
Day 52	To perform the phenomena of exosmosis using potato osmoscope
Day 53	To study the phenomenon of plasmolysis and de plasmolys
Day 54	To perform the phenomenon of exosmosis using potato osmoscope
Day 55	To study the phenomenon of plasmolysis and deplasmolysis
Day 56	To study the phenomenon of exosmosis using potato osmoscope
Day 57	To study the phenomenon of plasmolysis and deplasmolysis using
Day 58	Revision
Day 59	To study the phenomenon of imbibition pressure by plaster of Paris
Day 60	Revision
Day 61	To study the phenomena of imbibition pressure by plaster of Paris
Day 62	Revision
Day 63	To study the phenomena of imbibition pressure by plaster of Paris method
Day 64	To study the phenomena of stomatal and cuticular transpiration
Day 65	To demonstrate the phenomenon of transpiration
Day 66	To study the phenomena of stomatal and cuticular transpiration
Day 67	To demonstrate the phenomenon of transpiration
Day 68	revision
Day 69	To demonstrate the phenomenon of transpiration
Day 70	To observe the effect of light
Day 71	To observe the effect of different wavelengths of light
Day 72	To observe the effect of light on oxygen evolution
Day 73	To observe the effect of different wavelengths of light on oxygen evolution
Day 74	To observe the effect of light on oxygen evolution
Day 75	To observe the effect of different wavelengths of light on oxygen evolution
Day 76	To observe rate of photosynthesis under varying carbon dioxide concentration
Day 77	Separation of plant pigment by chromatographic technique.
Day 78	To observe rate of photosynthesis under varying carbon dioxide concentration
Day 79	Separation of plant pigment by chromatographic technique
Day 80	To observe rate of photosynthesis under varying carbon dioxide concentration
Day 81	Separation of plant pigment by chromatographic technique
Day 82	To perform the phenomena of photo tropism in plant
Day 83	To perform the phenomena of Geotropism in plant(group 1)
Day 84	To perform the phenomena of photo tropism in plant
Day 85	To perform the phenomena of Geotropism in plant(group 2)
Day 86	To perform the phenomena of photo tropism in plant
Day 87	To perform the phenomenon of geotropism
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the Assistant Professor:Dr. Sheel Singh **Class And Section: B.Sc. Medical 5th semester** **Subject: Plant Ecology**	
Day 1	Introduction to syllabus
Day 2	Ecology, definition and important term
Day 3	Sub devision of ecology
Day 4	Scope and importance of ecology
Day 5	Climatic factor -water
Day 6	Effect of temperature
Day 7	Effect of temperature on plants
Day 8	Wind
Day 9	Light and its effect
Day 10	Soil and soil profile
Day 11	Hydrophytes characters
Day 12	Adaptation of hydrophytes
Day 13	Introduction to *Hydrilla* and *Typha*
Day 14	*Eichorrnia* Anatomy
Day 15	Xerophytes introduction
Day 16	Test
Day 17	Xerophytes and their examples
Day 18	Description of halophytes
Day 19	Characters of population
Day 20	growth curves
Day 21	Ecads, ecotype and ecoline
Day 22	Introduction of community ecology
Day 23	Characters of community
Day 24	Methods to study community
Day 25	Quadrate method
Day 26	Test
Day 27	Biotic interaction
Day 28	Insectivorous plant
Day 29	Ecological succession
Day 30	Xerosere succession
Day 31	Ecosystem introduction and components
Day 32	Ecological pyramids
Day 33	Biogeochemical cycles
Day 34	Biogeochemical cycles
Day 35	Phytogeographical introduction
Day 36	Phytogeographical regions of India
Day 37	Vegetation of India
Day 38	Test
Day 39	Air pollution
Day 40	Global warming
Day 41	Ozone layer depletion
Day 42	Green house effect
Day 43	Biomagnification

Day 44	Revision
Day 45	Revision
Day 46	To study morphological characters of hydrophytes (group 1)
Day 47	To study hydrophytic characters of t.s stem of *Hydrilla*
Day 48	To study morphological characters of hydrophytes (group 2)
Day 49	To study hydrophytic characters of t s stem of *Hydrilla*
Day 50	To study morphological characters of hydrophytes (group 3)
Day 51	*To* study hydrophytic characters of t.s stem of *Hydrilla*
Day 52	To study hydrophytic characters of t.s petiole f Nymphaea
Day 53	To study hydrophytic characters of t.s petiole of *Eichorrnia*
Day 54	To study the hydrophytic characters of t.s petiole of Nymphaea
Day 55	To study the hydrophytic characters of t.s petiole of Eichorrnia
Day 56	To study the hydrophytic characters of ts petiole of Nymphaea
Day 57	To study the hydrophytic characters of t.s petiole of *Eichorrnia*
Day 58	Revision
Day 59	To study morphological characters of xerophytes (group 1)
Day 60	Revision
Day 61	To study morphological characters of xerophytes (group 2)
Day 62	Revision
Day 63	To study morphological characters of xerophytes (group 3)
Day 64	To study t.s stem of *Casuarina*
Day 65	To study t.s leaf of *Nerium* (group 1)
Day 66	To study t.s stem of Casuarina
Day 67	To study t.s leaf of *Nerium (group 2)*
Day 68	To study t.s stem of Casuarina
Day 69	To study the t.s leaf of *Nerium (group 3)*
Day 70	Revision of hydrophytes
Day 71	Revision of xerophytes (group 1)
Day 72	Revision of hydrophytes
Day 73	Revision of xerophytes (group 2)
Day 74	Revision of hydrophytes
Day 75	Revision of xerophytes (group 3)
Day 76	To determine given sample of pH of water
Day 77	To determine given sample of pH of soil (group 1)
Day 78	To determine given sample of pH of water
Day 79	To determine given sample of pH of soil (group 2)
Day 80	To determine the given sample of pH of water
Day 81	To determine the given sample of pH of soil (group 3)
Day 82	To determine frequency of different species in a given
Day 83	File complete and checking
Day 84	To determine frequency of different species in a given area
Day 85	File complete and checking
Day 86	To determine frequency of different species in a given area
Day 87	File complete and checking
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor :Dr Purnima Verma **Class And Section : M.Sc** **Subject: Inorganic Chemistry**	
Day 1	Unit-1 Types of Chemistry & Basis of VSEPR
Day 2	VSEPR Theory
Day 3	Practice of VSEPR
Day 4	Limitation and Application of VSEPR
Day 5	Dpi- ppi bonds
Day 6	Practice of calculating dpi-ppi bond
Day 7	Bent rule and its example
Day 8	Assignment-1 Energetic Of Hybridization
Day 9	Explanation Of Assignment-1
Day 10	Stability constant – Stepwise constant
Day 11	Stability constant – overall constant
Day 12	Relation between stepwise and overall constant
Day 13	Trends in stepwise constant
Day 14	Revision Of Constants
Day 15	Factor affecting stability of metal complex with reference to the nature of metal ion
Day 16	Chelates effect
Day 17	Thermodynamics of chelates effect
Day 18	Determination of binary constant -describe
Day 19	pH metry & spectrophotometry
Day 20	One Short Revision
Day 21	Test Ut-1
Day 22	Previous Question Paper Solution -1
Day 23	Previous Question Paper Solution -2
Day 24	Doubt Session –Ut-1
Day 25	Unit-2 Explain Inert And Liable Complex
Day 26	Mechanism for ligand replacement reaction
Day 27	Formation of complexes from aquation
Day 28	Formation of complexes from aquation
Day 29	Formation of complexes from aquation
Day 30	Ligand displacement reaction in octahedral complexes
Day 31	Formation of complexes from aquation
Day 32	Acid hydrolysis
Day 33	Assignment-2 Base Hydrolysis With Example
Day 34	Explanation Of Assignment-2
Day 35	Racemization of Tris chelate complexes
Day 36	Formation of complexes from aquation
Day 37	Electrophilic attack on ligand
Day 38	Formation of complexes from aquation
Day 39	One Short Revision
Day 40	Test Ut-2
Day 41	Previous Question Paper Solution -1
Day 42	Previous Question Paper Solution -2
Day 43	Doubt Session –Ut-2
Day 44	Mock Test Question Paper Discussion-1
Day 45	Mock Test Question Paper Discussion-2
Day 46	Unit-3 Mechanism Of Ligand

Day 47	Displacement Reaction In Square Planar Complexes
Day 48	Displacement Reaction In Square Planar Complexes
Day 49	Trans Effect And Its Theories
Day 50	Displacement Reaction In Square Planar Complexes
Day 51	Mechanism Of Electron Transfer Reaction-Explain & Its Type
Day 52	Outer Sphere Electron Transfer Mechanism
Day 53	Displacement Reaction In Square Planar Complexes
Day 54	Assignment-3 Explain Dissociative And Associative Mechanism
Day 55	Explanation Of Assignment-3
Day 56	Inner Sphere Electron Transfer Mechanism
Day 57	Displacement Reaction In Square Planar Complexes
Day 58	Electron Exchange
Day 59	One Short Revision
Day 60	Test Ut-3
Day 61	Previous Question Paper Solution -1
Day 62	Previous Question Paper Solution -2
Day 63	Doubt Session –Ut-3
Day 64	Unit-4 Isopoly And Heteropoly Acids And Salts Of Mo
Day 65	Displacement Reaction In Square Planar Complexes
Day 66	Isopoly And Heteropoly Acids And Salts Of W
Day 67	Displacement Reaction In Square Planar Complexes
Day 68	Structure Of Isopoly Anions
Day 69	Structure Of Heteropoly Anions
Day 70	Assignment-4 The Role Of Water In Isopoly And Hetropoly Acids
Day 71	Explanation Of Assignment-4
Day 72	Structure Of Some Binary & Ternary Compounds Explain
Day 73	Compounds-Fluorite, Anti-Fluorite
Day 74	Compounds-Rutile, Antirutile
Day 75	Crystobalite
Day 76	Layer Lattice-Cdi_2 , Bii_3 ,
Day 77	Layer Lattice-Reo_3 , Mn_2o_3
Day 78	Layer Lattice- Corundum, Pervoskite
Day 79	Ilmenite And Calcite
Day 80	One Short Revision
Day 81	Test Ut-4
Day 82	Previous Question Paper Solution -1
Day 83	Previous Question Paper Solution -2
Day 84	Doubt Session –Ut-4
Day 85	Revision Class For Unit-1
Day 86	Revision Class For Unit-2
Day 87	Revision Class For Unit-3
Day 88	Revision Class For Unit-4
Day 89	Doubt Session-1 Complete Syllabus
Day 90	Doubt Session-2 Complete Syllabus

Name of the professor: Ms. Manisha **Class And Section: M.Sc. Chemistry Ist semester** **Subject: Physical Chemistry**	
Day 1	Brief Resume Of First Law Of Thermodynamics
Day 2	Brief Resume Of First Law Of Thermodynamics
Day 3	Brief Resume Of First Law Of Thermodynamics
Day 4	Entropy Changes In Reversible Processes
Day 5	Entropy Changes In Irreversible Processes
Day 6	Variation Of Entropy With Temperature , Pressure And Volume,
Day 7	Variation Of Entropy With Temperature , Pressure And Volume,
Day 8	Entropy Concept As A Measure Of Unavailable Energy
Day 9	Entropy Concept As A Measure Of Unavailable Energy
Day 10	Entropy Concept As A Measure Of Unavailable Energy
Day 11	Entropy Concept As A Measure Of Unavailable Energy
Day 12	Entropy Concept As A Measure Of Unavailable Energy
Day 13	Partial Molar Quantities (Free Energy, Volume ,Heat Concept),
Day 14	Partial Molar Quantities (Free Energy, Volume ,Heat Concept),
Day 15	Gibb's-Duhem Equation;
Day 16	Doubt
Day 17	Assignment
Day 18	Test
Day 19	Effect Of Temperature On Reaction Rates, Rate Law For Opposing Reactions Of Ist Order
Day 20	Effect Of Temperature On Reaction Rates, Rate Law For Opposing Reactions Of Ist Order
Day 21	Effect Of Temperature On Reaction Rates
Day 22	Rate Law For Consecutive & Parallel Reactions Of Ist Order Reactions
Day 23	Rate Law For Consecutive & Parallel Reactions Of Ist Order Reactions
Day 24	Collision Theory Of Reaction Rates And Its Limitations
Day 25	Collision Theory Of Reaction Rates And Its Limitations
Day 26	Doubt
Day 27	Doubt
Day 28	Assignment
Day 29	Test
Day 30	Steric Factor, Activated Complex Theory
Day 31	Steric Factor, Activated Complex Theory
Day 32	Ionic Reactions: Single And Double Sphere Models
Day 33	Influence Of Solvent And Ionic Strength
Day 34	The Comparison Of Collision And Activated Complex Theory.
Day 35	The Comparison Of Collision And Activated Complex Theory.
Day 36	Doubt
Day 37	Test
Day 38	Postulates Of Quantum Mechanics
Day 39	Derivation Of Schrodinger Wave Equation; Max-Born Interpretation Of Wave Functions
Day 40	Derivation Of Schrodinger Wave Equation; Max-Born Interpretation Of Wave Functions
Day 41	The Heisenberg's Uncertaintyprinciple; Quantum Mechanical Operators
Day 42	The Heisenberg's Uncertainty Principle; Quantum Mechanical Operators
Day 43	Hermition Operators, Elementary Ideas, Quantum Mechanical Operator
Day 44	Angular Momentum Andenergy As Hermition Operator

Day 45	Quantum Mechanical Operator For Linear Momentum, Angular Momentum
Day 46	The Average Value Of The Square Of Hermition Operators
Day 47	Commuting Operators And Uncertainty Principle(X & P; E &T)
Day 48	Commuting Operators And Uncertainty Principle(X & P; E & T)
Day 49	Commuting Operators And Uncertainty Principle(X & P; E & T)
Day 50	Schrodinger Wave Equation For A Particle In One Dimensional Box;
Day 51	Schrodinger Wave Equation For A Particle In One Dimensional Box;
Day 52	Evaluation Of Average Position, Average Momentum And Determination
Day 53	Evaluation Of Average Position, Average Momentum
Day 54	Evaluation Of Average Position, Average Momentum
Day 55	Heisenberg's Uncertainty Principle, Picorial Representation
Day 56	Heisenberg's Uncertainty Principle
Day 57	Its Influence On The Kinetic Energy Of The Particle
Day 58	Revision
Day 59	Doubt
Day 60	Assignment
Day 61	Test
Day 62	The Debye -Huckel Theory Of Ion- Ion Interactions;
Day 63	The Debye -Huckel Theory Of Ion- Ion Interactions
Day 64	The Debye -Huckel Theory Of Ion- Ion Interactions; Potential And Excess Charge
Day 65	Debye Huckel Reciprocal Length, Ionic Cloud
Day 66	Debye - Huckel Limiting Law Of Activity Coefficients And Its Limitations
Day 67	Ion - Size Effect On Potential, Ion -Size Parameter
Day 68	The Theoretical Mean - Activity Coefficient In The Case Of Ionic Clouds
Day 69	The Theoretical Mean - Activity Coefficient In The Case Of Ionic Clouds
Day 70	Debye - Huckel -Onsager Treatment For Aqueous Solutions And Its Limitations
Day 71	Debye - Huckel -Onsager Treatment For Aqueous Solutions And Its Limitations
Day 72	Debye-Huckel- Onsager Theory For Non-Aqueous Solutions
Day 73	The Solvent Effect On The Mobality At Infinite Dilution
Day 74	The Solvent Effect On The Mobality At Infinite Dilution
Day 75	Effect Of Ion Association Upon Conductivity
Day 76	Effect Of Ion Association Upon Conductivity
Day 77	Doubt
Day 78	Assignment
Day 79	Test
Day 80	Revision
Day 81	Revision
Day 82	Revision
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Doubt
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor: Ms. Rajni **Class And Section: M.Sc. Chemistry Ist semester** **Subject: Organic Chemistry**	
Day 1	Delocalised chemical bonding-conjugation, cross conjugation
Day 2	Resonance
Day 3	Hyperconjugation
Day 4	Tautomerism
Day 5	Aromaticity in benzenoid and non benzenoid compounds
Day 6	Alternant and non-alternant hydrocarbons
Day 7	Huckle rule and energy level of pi M.O.
Day 8	Annulenes, antiaromaticity and homoaromaticity
Day 9	PMO approch
Day 10	Addition compound- Crown ethers and Cryptands
Day 11	Test of Resonance and Aromaticity
Day 12	Inclusion compounds
Day 13	Test of alternant and non alternant hydrocarbons and crown ether & cryptands
Day 14	Cyclodextrin and Catenanes & Rotaxanes
Day 15	Revision of PMO and assignment given on PMO approach
Day 16	Types of naturally occurring sugars, Deoxy sugars
Day 17	Amino sugars and branched chain sugars
Day 18	Determination of structure and synthesis of Maltose
Day 19	Determination of structure and synthesis of Maltose cont.
Day 20	Determination of structure and synthesis of Sucrose
Day 21	Determination of structure and synthesis of Sucrose cont.
Day 22	Test of Maltose and Sucrose
Day 23	Determination of structure of Lactose
Day 24	Various classes of Dyes
Day 25	Interaction between dyes and fibres
Day 26	Structure elucidation of Indigo dye
Day 27	Structure elucidation of Indigo dye cont
Day 28	Structure elucidation of Alizarin dye
Day 29	Structure elucidation of Alizarin dye cont.
Day 30	Test of Lactose
Day 31	Chirality, elements of symmetry
Day 32	Molecules with more than one chiral centre, Diastereomerism
Day 33	Determination of Relative & Absolute configuration of Lactic acid
Day 34	Determination of Relative & Absolute configuration of Alanine
Day 35	Determination of Relative & Absolute configuration of Mandelic acid
Day 36	Methods of Resolution
Day 37	Test of Indigo dye
Day 38	Optical purity, prochirality introduction
Day 39	Enantiotopic and diastereotopic atoms, groups and faces
Day 40	Asymmetric synthesis, Crams rule and its modification
Day 41	Asymmetric synthesis, Crams rule and its modification cont.
Day 42	Prelogs rule
Day 43	Conformational analysis of cycloalkanes
Day 44	Test of Alizarin dye

Day 45	Conformation of decalins
Day 46	Conformation of sugars
Day 47	Optical activity in the absence of chiral carbon(biphenyl, allenes and spiranes)
Day 48	Chirality due to helical shape
Day 49	Geometrical isomerism in alkenes and oximes
Day 50	Test of Conformation of decalins and sugars
Day 51	Methods of determining configuration in oximes
Day 52	Types of reaction and mechanism
Day 53	Thermodynamic and kinetic requirements
Day 54	Thermodynamic and kinetic control
Day 55	Hammonds postulate
Day 56	Test of Geometrical isomerism in alkenes and oximes
Day 57	Curtin –Hammett principle
Day 58	P.E. diagram, T.S. and Intermediate
Day 59	Method of determining mechanism
Day 60	Isotope effect
Day 61	Test of Hammonds postulate & Curtin –Hammett principle
Day 62	HSAB, Assignment given of Optical activity in the absence of chiral carbon
Day 63	Carbocation
Day 64	Carbocation cont.
Day 65	Carboanion
Day 66	Carboanion
Day 67	Free- radicals
Day 68	Cont.
Day 69	Carbene
Day 70	Nitrene
Day 71	Test of reaction intermediate
Day 72	Hammett equation .
Day 73	Hammett equation .
Day 74	Revision
Day 75	Test of Hammett equation
Day 76	Taft equation
Day 77	Cont.
Day 78	Revision of Section-A
Day 79	Revision of Section-A
Day 80	Doubt class
Day 81	Revision of Section-B
Day 82	Revision of Section-B
Day 83	Revision of Section-B
Day 84	Doubt class & previous year question paper discussion
Day 85	Revision of Section-C
Day 86	Revision of Section-C
Day 87	Revision of Section-C
Day 88	Revision of Section-D
Day 89	Revision of Section-D
Day 90	Revision

Name of the professor: Ms Manisha , Ms. Rajni , Dr Purnima **Class And Section: M.Sc. Chemistry Ist semester** **Subject: Computer for Chemist**	
Day 1	Historical evolution of Computer
Day 2	Introduction of programming language
Day 3	Introduction of programming language
Day 4	Computer application - Scientific
Day 5	Revision of above topics
Day 6	Assignment of above topics
Day 7	Historical evolution of Computer
Day 8	Introduction of programming language
Day 9	Computer application - Business
Day 10	Computer application - Business
Day 11	Revision of above topics
Day 12	Block diagram of a computer and function of various units
Day 13	Block diagram of a computer and function of various units
Day 14	1 GL-5GL languages
Day 15	Computer application - Research
Day 16	1 GL-5GL languages
Day 17	Revision of above topics
Day 18	Test of above topics
Day 19	Block diagram of a computer and function of various units
Day 20	1 GL-5GL languages
Day 21	Computer application - Sports
Day 22	Computer application - Sports
Day 23	Revision of above topics
Day 24	Classification of Computer
Day 25	Classification of Computer
Day 26	Software and its type
Day 27	Software and its type
Day 28	Computer application - Medicine
Day 29	Revision of above topics
Day 30	Input /Output device
Day 31	Input /Output device
Day 32	Software and its type
Day 33	Computer application – Health care
Day 34	Computer application – Health care
Day 35	Revision of above topics
Day 36	Memories- RAM, ROM Cache memory
Day 37	Memories- RAM, ROM Cache memory
Day 38	Operating system with DOS as an example
Day 39	Operating system with DOS as an example
Day 40	Computer application – Engineering
Day 41	Computer application – Engineering
Day 42	Memories- Virtual memory , Mass-storage media, Magnetic disk
Day 43	Memories- Virtual memory , Mass-storage media, Magnetic disk
Day 44	Operating system with DOS as an example

Day 45	Computer application – Teaching
Day 46	Operating system with DOS as an example
Day 47	Revision of above topics
Day 48	Magnetic tapes and optical disk,
Day 49	Magnetic tapes and optical disk,
Day 50	Introduction to UNIX & Window
Day 51	Problem identification & analysis
Day 52	Introduction to UNIX & Window
Day 53	Revision of above topic
Day 54	Batch processing system
Day 55	Batch processing system
Day 56	Overview of Information Technology & Data communication
Day 57	Overview of Information Technology & Data communication
Day 58	Revision of above topic
Day 59	Flowchart & decision table
Day 60	Flowchart & decision table
Day 61	Time sharing system
Day 62	Computer network (LAN, WAN & MAN) & its application
Day 63	Pseudo codes & algorithm
Day 64	Computer network (LAN, WAN & MAN) & its application
Day 65	Pseudo codes & algorithm
Day 66	Revision of above topics
Day 67	Multiprocessor
Day 68	Introduction to internet & internet technology
Day 69	Program coding
Day 70	Program coding
Day 71	Program coding
Day 72	Program coding
Day 73	Parallel processing system
Day 74	Introduction to internet & internet technology
Day 75	Program testing & excution
Day 76	Introduction to internet & internet technology
Day 77	Introduction to internet & internet technology
Day 78	Program testing & excution
Day 79	Revision-
Day 80	Revision-
Day 81	Revision-
Day 82	Revision-
Day 83	Revision-
Day 84	Revision-
Day 85	Test & Assignment
Day 86	Test & Assignment
Day 87	Test & Assignment
Day 88	Revision-
Day 89	Revision-
Day 90	Revision-

Name of the professor: Dr. Annu Kalra **Class And Section: M.Sc chemistry, 3rd semester** **Subject: Inorganic Special I, Instrumental Techniques**	
Day 1	Introduction To Vibrational Spectroscopy And Concept Of Symmetry
Day 2	Shape Of AB2 Type Molecule
Day 3	Shape Of AB3 Type Molecule
Day 4	Shape Of AB4 Type Molecule
Day 5	Shape Of AB5 Type Molecule
Day 6	Shape Of AB6 Type Molecule
Day 7	Modes Of Bonding Of Ambidentate Ligands
Day 8	Ethylenediamine Complexes
Day 9	Diketonate Complexes
Day 10	Application Of Raman Spectroscopy For The Study Of Myoglobin And Haemoglobin
Day 11	Application Of Raman Spectroscopy For The Study Of Myoglobin
Day 12	Revision Of Above Topics
Day 13	Test Of Above Topics
Day 14	Principle Of ESR Spectroscopy
Day 15	Presentation Of The Spectrum
Day 16	Hyperfine Coupling
Day 17	Hyperfine Splitting In Various Structures
Day 18	Factors Affecting Magnitude Of G
Day 19	Zero Field Splitting Revision Of Above Topics
Day 20	Kramer's Degeneracy
Day 21	Application Of ESR To Complexes Having One
Day 22	Application To Inorganic Free Radicals
Day 23	Study Of Electron Exchange Reactions
Day 24	Revision Of Above Topics
Day 25	Test Of Above Topics
Day 26	Principle Of Mossbauer Spectroscopy
Day 27	Spectral Display
Day 28	Isomer Shift
Day 29	Factors Affecting The Magnitude Of Isomer
Day 30	Quadrupole Interactions
Day 31	Magnetic Hyperfine Interactions
Day 32	Application Of MB Spectroscopy To The Study Of Bonding And Structure
Day 33	Bonding And Structure Of Fe(III) Complexes
Day 34	Bonding And Structure Of Sn(II) Complexes
Day 35	Bonding And Structure Of Sn(IV) Complexes
Day 36	Detection Of Oxidation States
Day 37	Nature Of M-L Bond
Day 38	Revision Of Above Topics
Day 39	Test Of Above Topics
Day 40	Principle Of Mass Spectrometry
Day 41	Representation Of Spectrum
Day 42	Interaction Of Molecules With High Energy Electrons

Day 43	Interpretation Of Mass Spectrum
Day 44	Effect Of Isotopes On The Appearance Of Mass Spectrum
Day 45	Finger Print Application
Day 46	Molecular Weight Determination
Day 47	Evaluation Of Heat Of Sublimation Of High Melting Solids
Day 48	Revision Of Above Topics
Day 49	Introduction To NMR Spectroscopy And F-19 NMR
Day 50	P-31 NMR
Day 51	Chemical Shifts
Day 52	Coupling Constants
Day 53	F-19 Spectrum Of Fluoroacetone
Day 54	F-19 Spectrum Of 1-Bromo-1-Fluoroethane
Day 55	F-19 Spectum Of Dimethyl Phosphorus Trifluoride
Day 56	F-19 Spectrum Of Bromine Pentafluoride
Day 57	P-31 Spectrum Of HPF2
Day 58	P-31 Spectrum Of HPO(OH)2
Day 59	P-31 Spectrum Of H2PO(OH)
Day 60	P-31 Spectrum Of Cis-Pt(Pet3)2Cl2
Day 61	Application Of P-31 NMR For Structural Determination Of Complexes
Day 62	Contact Shift
Day 63	Its Origin And Application
Day 64	Pseudo Contact Shift
Day 65	Diamagnetic Complexes
Day 66	Spectra Of Free Ligands
Day 67	Lanthanide Shift Reagents
Day 68	Magnetic Susceptibility Measurements
Day 69	Solid State NMR
Day 70	Wide Line NMR
Day 71	Magnetic Angle Spinning
Day 72	Applications-Magnetic Resonance Imaging
Day 73	Introduction To NQR Spectroscopy
Day 74	Nuclear Quadrupole Moment
Day 75	Electric Field Gradient And Asymmetry Parameter
Day 76	Nuclear Quadrupole Transitions-Axially Symmetric Molecules
Day 77	Nuclear Quadrupole Transitions-Non-Symmetric Molecules
Day 78	Effect Of External Magnetic Field
Day 79	Applications-Chemical Bonding And Structure
Day 80	Solid State Effects
Day 81	Hydrogen Bonding
Day 82	Experimental Aspects Of NMR
Day 83	Doubts From The Above Topics
Day 84	Revision From Section A
Day 85	Revision From Section B
Day 86	Revision From Section C
Day 87	Revision From Section D
Day 88	Revision From Section A And B
Day 89	Revision From Section C And D
Day 90	Revision Of Complete Syllabus

Name of the professor: Ms Pooja Khatana **ClassAndSection:M.Sc. 3RD Semester** **Subject: Inorganic Special II**	
Day 1	Basics Of Nuclear Chemistry
Day 2	Justifications
Day 3	Applications
Day 4	Neutron To Proton Ratio
Day 5	Nuclear Force
Day 6	Binding Energy
Day 7	Packing Praction
Day 8	Nuclear Stability
Day 9	Decays Of Unstable Nuclei
Day 10	Revision
Day 11	Test
Day 12	Nuclear Structures: Shell Model
Day 13	Shell Model
Day 14	Liquid Drop Model
Day 15	Collective Model
Day 16	Revision
Day 17	Test
Day 18	Interaction Of Radiation With Matter
Day 19	Physical Effects Of Radiation Of Matter
Day 20	Chemical Effects Of Radiation Of Matter
Day 21	Photoelectric Effect
Day 22	Compton Effects
Day 23	Pair Production
Day 24	Revision
Day 25	Test
Day 26	Radiochemical Techniques: Naa
Day 27	Naa
Day 28	Ida
Day 29	Ida
Day 30	Radiometric Titration
Day 31	Revision
Day 32	Test
Day 33	Detection Of Nuclear Radiations
Day 34	Gas Filled Counter
Day 35	Ionization Chamber
Day 36	Proportional Counter
Day 37	Proportional Counter
Day 38	G.M. Counter
Day 39	G.M. Counter
Day 40	Revision
Day 41	Test
Day 42	Scintillations Detectors
Day 43	Scintillations Detectors
Day 44	Solid State Detectors

Day 45	Solid State Detectors
Day 46	Revision
Day 47	Test
Day 48	Introduction To Nuclear Reactions
Day 49	Difference Between Nuclear Reactions And Chemical Reactions
Day 50	Energetic Of Nuclear Reactions
Day 51	Threshold Energy Of Nuclear Reactions
Day 52	Classifications Of Nuclear Reactions
Day 53	Elastic And Inelastic Nuclear Reaction
Day 54	Radioactive Capture
Day 55	Induced Reaction By Heavy Ion Projectile
Day 56	Particle Projectile Capture And Particle Ejectile Emission Reactions
Day 57	Photonuclear Reactions
Day 58	Thermonuclear Reactions
Day 59	Spallations Reactions
Day 60	Compound Nucleus Theory
Day 61	Verification And Limitation Of Compound Nucleus Theory
Day 62	Revision
Day 63	Test
Day 64	Nuclear Fission
Day 65	Fission Energy
Day 66	Fission Chain Reaction
Day 67	Controlled Nuclear Fission Reactions
Day 68	Uncontrolled Nuclear Fission Reactions
Day 69	Fission Probality
Day 70	Nuclear Reactor
Day 71	Mechanism Of Nuclear Fission
Day 72	Theories Of Fission
Day 73	Revision
Day 74	Test
Day 75	Nuclear Fusion
Day 76	Breedor Reactors
Day 77	Breedor Reactors
Day 78	Accelerator
Day 79	Types Of Accelerator
Day 80	Cyclotron
Day 81	Cyclotron
Day 82	Revision
Day 83	Test
Day 84	Revision Of Section A
Day 85	Revision Of Section A
Day 86	Revision Of Section B
Day 87	Revision Of Section B
Day 88	Revision Of Section C
Day 89	Revision Of Section C
Day 90	Test Of All Sections

Name of the professor: Ms. Sonia Bisht **Class And Section: M.Sc. Chemistry IIIrd Semester** **Subject: Inorganic Special- III**	
Day 1	Metal Ions In Biological Systems: General Introduction
Day 2	General Survey Of Essential And Trace Metals
Day 3	Disturbing Factors In Metabolic Process And Causes Of Diseases
Day 4	Different Classes Of Drugs
Day 5	Alkali And Alkaline Earth Metals In Biological Systems
Day 6	Ionophores
Day 7	Active Transport Of Cations Across Membranes
Day 8	Active Transport Of Cations Across Membranes
Day 9	Sodium Pump
Day 10	Sodium Pump
Day 11	Calcium Pump
Day 12	Calcium Carriers
Day 13	Role Of Carriers In Muscle Contraction
Day 14	Role Of Carriers In Muscle Contraction
Day 15	Revision
Day 16	Blood Clotting And Hormones
Day 17	Interaction Of Metal Ions With Nucleotides:
Day 18	Metal Ions In Nucleotide Systems
Day 19	Metal Ions In Nucleotide Systems
Day 20	Assignment
Day 21	Effect Of Metal Ions On Nuclei Acids
Day 22	Effect Of Metal Ions On Nuclei Acids
Day 23	Doubt Class
Day 24	Test
Day 25	Oxygen Carriers
Day 26	Oxygen Carriers
Day 27	Porphyrins
Day 28	Porphyrins
Day 29	Metalloporphyrins
Day 30	Metalloporphyrins
Day 31	Hemoproteins
Day 32	Hemoproteins
Day 33	Structure Of Hemoglobin
Day 34	Functions Of Hemoglobin
Day 35	Structure Of Myoglobin
Day 36	Functions Of Myoglobin
Day 37	Synthetic Oxygen Carrier Model Systems
Day 38	Synthetic Oxygen Carrier Model Systems
Day 39	Doubt Class
Day 40	Revision
Day 41	Revision
Day 42	Nitrogen Fixation
Day 43	Biological Nitrogen Fixation, Nitrogenase
Day 44	Nitrogenase

Day 45	Revision
Day 46	Model For Nitrogenase
Day 47	Model For Nitrogenase
Day 48	Metal-N2 Complexes
Day 49	Metal-N2 Complexes
Day 50	Photosynthesis And Chlorophyll
Day 51	Photosynthesis And Chlorophyll
Day 52	Test
Day 53	Assignment
Day 54	Metal Transport And Storage: Transferrin
Day 55	Ferritin
Day 56	Siderophores
Day 57	Siderophores
Day 58	Metalloenzymes*:* Zinc Enzymes
Day 59	Carboxypeptidase & Carbonic Anhydrase
Day 60	Iron Enzymes – Catalase
Day 61	Peroxidase & Cytochrome P- 450
Day 62	Copper Enzymes – Superoxide Dismutase
Day 63	Blue Copper- Proteins
Day 64	Doubt Class
Day 65	Coenzymes – Vitamins B12
Day 66	Coenzymes – Vitamins B12
Day 67	Carbonic Anhydrase
Day 68	Test
Day 69	Environmental Chemistry: Atmosphere
Day 70	Chemical Composition Of Atmosphere
Day 71	Atmospheric Structure
Day 72	Earth's Radiation Balance
Day 73	Oxides Of N,C,S And Their Effects
Day 74	Green House Effect
Day 75	Acid Rain
Day 76	Photochemical Smog
Day 77	Air Quality Standards
Day 78	Depletion Of Ozone
Day 79	Particulate Matter In Atmosphere
Day 80	Mechanism Of Aerosol Formation In Air
Day 81	Noise Pollution And Their Health Hazards
Day 82	Doubt Class
Day 83	Doubt Class
Day 84	Previous Year Question Paper Discussion
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Test Of All Sections

Name Of The Assistant Professor: Ms. Sudha Diwakar **Class And Section: B.Sc Biotech Ist sem** **Subject: Inorganic Chemistry**	
Day1	Practical : Redox Titration
Day2	Kmno4 Against Mohrs Salt
Day3	Valence Bond Theory And Its Limitations
Day4	Directional Characteristics Of Covalent Bond & Various Types Of Hybridization
Day5	Shapes Of Simple Inorganic Molecules And Ions ,PF5,SF6,SF7
Day6	Bef2,BF3,CH4,PF5,SF6
Day7	Practical Work :Percentage Purity Of Mohrs Salt
Day8	Kmno4 And Oxalic Acid Titration
Day9	Kmno4 And Oxalic Acid Titration
Day10	Shapes Of Simple Inorganic Molecules And Ions SO42-,Clo4-)
Day11	Valence Shell Electron Pair Repulsion(VSEPR)Theorytonh3,H3O+,SF4,CIF3
Day12	CIF3, ICI2-And H2O.
Day13	Revision Of Structrues
Day14	Practical Work: Surface Tension
Day15	Bond Strength And Bond Energy
Day16	MO Theory Of Hetero Nuclear (CO And NO) Diatomic Molecules ,Bond Strength
Day17	Percentage Ionic Character From Dipole Moment And Electro Negativity Difference.
Day18	Practical Work: Viscosity
Day19	Numerical Practice On Ionic Character.
Day20	Practical Work: Redox Titration Of Kmno4
Day21	Practical Work: Redox Titration Of Kmno4
Day22	Ionic Structures Nacl, Cscl, Zns (Zincblende),Caf2
Day23	Test On Topic :Covalent Bonding
Day24	Nacl, Cscl
Day25	Zns (Zinc Blende), Caf2 Radius Ratio Effect
Day26	Redo Titration Kmno4 Against Hypo Solution
Day27	Lattice Defects, Semi Conductors,
Day28	Coordination Number, Limitation Of Radius Ratio Rule, Lattice Defects.
Day29	ASSIGNMENT
Day30	Test Of Valence Bond Theory And Its Limitations
Day31	Born-Haber Cycle,
Day32	Revision Of Ionic Structures Hybridization
Day33	Practical Work Redox Titration
Day34	Practical Work Redox Titration
Day35	Relation With Solubility Of Ionic Solids
Day36	Salvation Energy
Day37	Fajan's Rule
Day38	Practical Work Redox Titration
Day39	Practical Work Redox Titration
Day40	Inroduction Of Periodic Properties
Day41	General Principles Of Periodic Table
Day42	Doubt Classes
Day43	To Prepare Arsenious Sulphide Sol And Compare The Precipitating Power Of Mono

Day44	, Bi – And Trivalent Anions
Day45	Hund's Multiplicity Rule.
Day46	Aufbau And Pauli Exclusion Principles
Day47	E Lectronic Configurations Of The Elements,
Day48	Effective Nuclear Charge
Day49	Iodometic Titrations: Determination Of Cu2+ (Using Standard Hypo Solution)
Day50	Iodometic Titrations: Determination Of Cu2+ (Using Standard Hypo Solution)
Day51	Revision
Day52	Slater's Rules. Electron Affinity
Day53	Numerical Practice And Test
Day54	Definition Of Electro Negativity
Day55	Idiomatic Titrations: Determination Of Cu2+ (Using Standard Hypo Solution)
Day56	Practical Work Redox Titration Of K2cr2o7
Day57	Practical Work Redox Titration Of K2cr2o7
Day58	Methods Of Determination Or Evaluation, Trends In Periodic Table
Day59	Numericals On Electro Negativity
Day60	Class Test
Day61	Methods Of Determination Or Evaluation, Trends In Periodic Table
Day62	Practical Wrk Redox Titration Of K2cr2o7
Day63	Practical Work Redox *Titration* Of K2cr2o7
Day64	Idea Of De Broglie Matter Waves,
Day65	Atomic Orbitals ,Quantum Numbers
Day66	Radial And Angular Wave Functions
Day67	Heisenberg Uncertainty Principle
Day68	Complexometric Titrations: Determination Of Mg2+ By EDTA
Day69	Practical Work Redox Titration Of K2cr2o7
Day70	Numerical On Heisenberg Uncertainty Principle
Day71	Probability Distribution Curves, Shapes Of S, P, D Orbitals
Day72	Practical Work Redox Titration Of K2cr2o7
Day73	Quantum Number
Day74	Complexometric Titrations: Determination Of Mg2+ By EDTA
Day75	Complexometric Titrations: Determination Of Mg2+ , Zn2+ By EDTA
Day76	Determine The Surface Tension Of A Given Liquid By Drop Number Method
Day77	Mocktest
Day78	Complexometric Titrations: Determination Of Mg2+ , Zn2+ By EDTA
Day79	Numerial On Concept Of De Broglie Matter Waves ,Heisenberg Uncertainty Principle
Day80	To Determine The Viscosity Of A Given Liquid
Day81	To Determine The Viscosity Of A Given Liquid
Day82	Electronic Configuration And Slater Rule Numerical Practice
Day83	Doubt Class
Day84	Quantum Number
Day85	To Determine The Specific Refractivity Of A Given Liquid
Day86	To Determine The Specific Refractivity Of A Given Liquid
Day87	Revision
Day88	Revision
Day89	Revision
Day90	Revision

Name Of The Associate/Assistant Professor: Ms. Sudha Diwakar **Class And Section: B.Sc Biotech Ist sem** **Subject: Organic Chemistry**	
Day1	Localized And Delocalized Chemical Bond, Van Der Waals Interactions, .
Day2	Resonance: Conditions
Day3	-And Its Applications
Day4	Hyper Conjugation: Conditions And Applications
Day5	Practical Work: Surface Tension
Day6	Practical Work: Surface Tension
Day7	Inductive Effect
Day8	Curve Notation And Bond Cleavage: Homolytic And Heterolytic Cleavage
Day9	Electromeric Effects
Day10	Types Of Reagents- Electrophile And Nucleophile
Day11	Practical Work Redox Titration
Day12	Practical Work Redox Titration
Day13	Reaction Intermediate: Formation, Structure And Stability Of Carbocation
Day14	Carboanion And Free Radical
Day15	Kmno4 Against Mohrs Salt
Day16	Practical Work :Percentage Purity Of Mohrs Salt
Day17	Redox Titration Kmno4 Against Hypo Solution
Day18	Redox Titration Kmno4 Against Hypo Solution
Day19	Test And Assignment
Day20	Arynes (Formation ,Structure & Stability).
Day21	Nitrenes (Formation, Structure &Stability).
Day22	Kmno4 And Oxalic Acid Titration
Day23	Assigning Formal Charges On Intermediates
Day24	Practical Work: Viscosity
Day25	Assigning Formal Charges On Other Ionic Species.
Day26	Introduction Of Stereochemistry: Concept Of Isomerism
Day27	Practical Work: Viscosity
Day28	Types Of Isomerism
Day29	Carbenes
Day30	Enantiomers
Day31	Stereogenic Centre ,Optical Activity
Day32	Properties Of Enantiomers
Day33	Diasteriomers
Day34	Chiral And Achiral Molecules With Two Stereogenic Centres
Day35	Revision
Day36	Diastereomers
Day37	Threo And Erythro Diastereomers
Day38	Resolutions Of Enantiomer And Meso Compounds,
Day39	Iodometic Titrations: Determination Of Cu2+ (Using Standard Hypo Solution
Day40	Practical Work Redox Titration Of K2cr2o7
Day41	Practical Work Redox Titration Of K2cr2o7
Day42	Inversion, Retention
Day43	Racemization.

Day44	Test On Topic: Stereochemistry Of Organic Chemistry
Day45	Practical Work Redox Titration Of K2cr2o7
Day46	Practical Work Redox Titration Of K2cr2o7
Day47	Relative And Absolute Configuration
Day48	Practical Work
Day49	Sequence Rules, R & S Systems Of Nomenclature
Day50	Geometric Isomerism
Day51	Determination Of Configuration Of Geometric Isomers
Day52	Revision Of R/S Configuration
Day53	Conformational Isomerism: Conformational Analysis Of Ethane
Day54	Iodometic Titrations: Determination Of Cu2+ (Using Standard Hypo Solution)
Day55	E & Z System Of Nomenclature
Day56	Revision Of E/Z Configuration.
Day57	Practical Work Redox Titration Of K2cr2o7
Day58	Practical Work Redox Titration Of K2cr2o7
Day59	Conformational Isomerism
Day60	Conformational Analysis Of N-Butane
Day61	Conformations Of Cyclohexane, Axial And Equatorial Bonds
Day62	Newman Projection And Sawhorse Formulas
Day63	Complexometric Titrations: Determination Of Mg2+ By EDTA
Day64	Difference Between Configuration And Conformation
Day65	Complexometric Titrations: Determination Of Mg2+ By EDT
Day66	Preparation Ofalkanes
Day67	IUPAC Names Of Alkanes And Classification Isomerism
Day68	Assignment
Day69	Chemical Properties Of Alkanes
Day70	Doubt Class
Day71	Complexometric Titrations: Determination Of , Zn2+ By EDTA
Day72	Complexometric Titrations: Determination Of Zn2+ By EDTA
Day73	Preparation Of Cycloalkanes
Day74	Chemical Properties Of Cycloalkanes
Day75	Practical Work Redox Titration
Day76	Practical Work Redox Titration
Day77	To Determine The Specific Refractivity Of A Given Liquid
Day78	Practical Work: Surface Tension
Day79	Revision
Day80	Test: Alkanes And Cycloalkanes
Day81	Practical Work: Surface Tension
Day82	Baeyer's Strain Theory And Its Limitations..
Day83	To Determine The Viscosity Of A Given Liquid
Day84	To Determine The Viscosity Of A Given Liquid
Day85	Strain Theory Of Cyclo Alkanes
Day86	Revision
Day87	Doubt Class
Day88	To Determine The Specific Refractivity Of A Given Liquid
Day89	Revision
Day90	Revision

Name Of The Associate/Assistant Professor: Ms .Sudha Diwakar **Class And Section: B.Sc Biotech 3rdsem** **Subject: Organic Chemistry,BT-306 Theory and Practical wor**	
Day1	Introduction Of Monohydric Alcohols :Nomenclature
Day2	Methods Of Formation By Reduction Of Aldehydes
Day3	Practical Work: Organic Compound Identification.
Day4	Hydrogen Bonding. &Acidic Nature. Reactions Of Alcohols
Day5	Ketones , Carboxylic Acid And Esters.
Day6	Practical Work: Organic Compound Identification
Day7	Dihydric Alcohols —Nomenclature And Methods Of Formation
Day8	Chemical Reactions Of Vicinal Glycols.
Day9	Pinacol - Pinacolone Rearrangement
Day10	Practical Work: Organic Compound Identification
Day11	Oxidative Cleavage [Pb(Oac)4 And HIO4.
Day12	Practica Work: Organic Compound Identification
Day13	Synthesis Of Epoxides
Day14	Acid And Base-Catalyzed Ring Opening Of Epoxides.
Day15	Practical Work: Organic Compound Identification
Day16	Practical Work: Organic Compound Identification
Day17	Orientation Of Epoxide Ring Opening, Reactions Of Grignard
Day18	Organo Lithium
Day19	Revision And Assignment
Day20	Phenols & Its Nomenclature: Structure And Bonding
Day21	Practical Work: Organic Compound Identification
Day22	Practical Work: Organic Compound Identification
Day23	Preparation Of Phenols ,Physical Properties.
Day24	Practical Work: Organic Compound Identification(Carboxylic Acid)
Day25	Acidic Character Of Phenol Comparative Acidic Strengths Of Alcohols And Phenols
Day26	Resonance Stabilization Of Phenoxide Ion & Reactions Of Phenols
Day27	Practical Work: Organic Compound Identification
Day28	Practical Work: Organic Compound Identification
Day29	Reactions Of Phenols — Electrophilic Aromatic Substitution
Day30	Practical Work: Organic Compound Identification
Day31	Reimer-Tiemann Reaction, Kolbe's Reaction And Schotten And Baumann Reactions
Day32	Practical Work: Organic Compound Identification
Day33	Introduction Of Ultraviolet (UV) Absorption Spectroscopy & Absorption Laws
Day34	Practical Work: Organic Compound Identification(Phenol)
Day35	Molar Absorptivity, Presentation And Analysis Of UV Spectra
Day36	Practical Work: Organic Compound Identification
Day37	Types Of Electronic Transitions, Effect Of Conjugation.
Day38	Practical Work: Organic Compound Identification
Day39	Concept Of Chromophore And Auxochrome
Day40	Practica Work: Organic Compound Identification
Day41	Bathochromic, Hypsochromic, Hyperchromic And Hypochromic Shifts
Day42	Practical Work: Organic Compound Identification
Day43	UV Spectra Of Conjugated Dienes And Enones

Day44	Practical Work: Organic Compound Identification(Aldehydes And Ketones)
Day45	Woodward- Fieser Rules
Day46	Practical Work: Organic Compound Identification
Day47	Calculation Of □ Max Of Simple Conjugated Dienes
Day48	Practical Work: Organic Compound Identification
Day49	Unsaturated Ketones, Applications Of UV Spectroscopy In Structure Elucidation
Day50	Practical Work: Organic Compound Identification (Carbohydrates)
Day51	Test And Practice
Day52	Practical Work: Organic Compound Identification
Day53	Carboxylic Acids & Acid Derivatives
Day54	Practical Work: Organic Compound Identification
Day55	Nomenclature Of Carboxylic Acids, Structure And Bonding
Day56	Practical Work: To Identify Unknown Organic Compound
Day57	Practical Work: To Identify Unknown Organic Compound
Day58	Physical Properties, Acidity Of Carboxylic Acids
Day59	Effects Of Substituents On Acid Strength
Day60	Practical Work: To Identify Unknown Organic Compound
Day61	Preparation Of Carboxylic Acids. Reactions Of Carboxylic Acids
Day62	. Reduction Of Carboxylic Acids
Day63	Hell- Volhard- Zelinsky Reaction
Day64	CLASS TEST
Day65	Mechanism Of Decarboxylation
Day66	Practical Work: To Identify Unknown Organic Compound
Day67	Structure, Nomenclature And Preparation Of Acid Chlorides, Esters.
Day68	Reduction Of Carboxylic Acids
Day69	Practical Work: To Identify Unknown Organic Compound
Day70	Practical Work: To Identify Unknown Organic Compound
Day71	Nomenclature And Preparation Of Amides And Acid Anhydrides
Day72	Acidic Nature And Order Of Reactivity
Day73	Relative Stability Of Acyl Derivatives.
Day74	Physical Properties
Day75	Practical Work: To Identify Unknown Organic Compound
Day76	Practical Work: To Identify Unknown Organic Compound
Day77	Physical Properties ,Inter Conversion Of Acid Derivatives By Nucleophilic Acyl
Day78	Practical Work: To Identify Unknown Organic Compound
Day79	Mechanisms Of Esterification
Day80	Practical Work: To Identify Unknown Organic Compound
Day81	Hydrolysis (Acidic And Basic)
Day82	Practical Work: To Identify Unknown Organic Compound
Day83	Test
Day84	Practical Work: To Identify Unknown Organic Compound
Day85	Revision
Day86	Practical Work: To Identify Unknown Organic Compound
Day87	Practical Work: To Identify Unknown Organic Compound
Day88	Revision
Day89	Revision
Day90	Revision

Name Of The Associate/Assistant Professor: Ms. Sudha Diwakar **Class And Section: B.Sc Biotech 5th sem** **Subject: Organic Chemistry,BT-506 Theory /practical**	
Day1	Classification and nomenclature of carbohydrates
Day2	Structural of carbohydrates
Day3	Practical work: acidic radical, dil H2SO4 group
Day4	Classification and nomenclature of carbohydrates
Day5	Practical work: acidic radical, dil H2SO4 group
Day6	Monosaccharides, mechanism of osazone formation
Day7	Practical work: acidic radical, dil H2SO4 group
Day8	Inter conversion of glucose and fructose
Day9	Practical work: acidic radical, dil H2SO4 group
Day10	Interconversion of glucose to mannose
Day11	Practical work: acidic radical, conc.H2SO4 group
Day12	Chain lengthening and chain shortening of aldoses.
Day13	Configuration of monosaccharide
Day14	Practical work: acidic radical conc H2SO4 group
Day15	Practical work: acidic radical conc H2SO4 group
Day16	Erythro and threo diastereomers.
Day17	Practical work: acidic radical conc H2SO4 group
Day18	Assignment and test
Day19	Practical work: basic radical group 1
Day20	Formation of glycosides, ethers and esters
Day21	Practical work: basic radical group 1
Day22	Determination of ring size of glucose and fructose
Day23	Practical work: basic radical group 2
Day24	Open chain and cyclic structure of D(+)-glucose & D(-)fructose.
Day 24	Open chain and cyclic structure of D(+)-glucose & D(-)fructose
Day25	Mechanism of mutarotation.
Day26	Practical work: basic radical group 2
Day27	Practical work: basic radical group 2
Day28	Introduction to disaccharides: Structure of maltose, sucrose
Day29	Lactose
Day30	Structure Practice
Day31	Practical work: basic radical group 3
Day32	Practical work: basic radical group 3
Day33	Practical work: basic radical group 3
Day34	Polysaccharides: starch and cellulose
Day35	Structure of starch and cellulose
Day36	Revision
Day37	Practical work: basic radical group 4
Day38	Organometallic compounds
Day39	Practical work: basic radical group 4
Day40	Grignard reagents-formation and structure
Day41	Practical work: basic radical group 4
Day42	Grignard reagent: chemical reactions
Day43	Practical work: basic radical group 5
Day44	Practical work: basic radical group 5

Day45	Practical work: basic radical group 5
Day46	Organolithium compounds formation and chemical reactions
Day47	Practical work: basic radical group 6
Day48	Organozinc compounds: formation and chemical reactions.
Day49	Practical work: basic radical group 6
Day50	Practical work: identify unknown mixture of salts
Day51	Practical work: identify unknown mixture of salts
Day52	Test of organometallic compound
Day53	Practical work: identify unknown mixture of salts
Day54	Revision and reaction practice
Day55	Practical work: identify unknown mixture of salts
Day56	Practical work: identify unknown mixture of salts
Day57	Revision
Day58	Introduction of NMR spectroscopy
Day59	Practical work: interfering radical
Day60	Principle of nuclear magnetic resonance
Day61	Practical work: identify unknown mixture of salts
Day62	Practical work: identify unknown mixture of salts
Day63	Practical work: identify unknown mixture of salts
Day64	The PMR spectrum, number of signals and peak areas
Day65	Practical work: identify unknown mixture of salts
Day66	Peak areas, equivalent and non equivalent protons positions of signals
Day67	Revision
Day68	Practical work: TLC
Day69	Practical work: TLC
Day70	Chemical shift, shielding and deshielding of protons
Day71	Practical work: identify unknown mixture of salts
Day72	Question practice on PMR spectrum and number of signals and peak areas
Day73	Class test
Day74	Proton counting
Day75	splitting of signals
Day76	Coupling constants, magnetic equivalence of protons..
Day77	Practical work: identify unknown mixture of salts
Day78	Discussion of PMR spectra of the molecules: ethyl bromide.
Day79	n propyl bromide, isopropyl bromide
Day80	1,1-dibromoethane,1,1,2-tribromoethane, ethanol
Day81	Practical work: identify unknown mixture of salts
Day82	acetaldehyde, ethyl acetate, toluene
Day83	Revision
Day84	Benzaldehyde and acetophenone
Day85	Practical work: identify unknown mixture of salts
Day86	Practical work: identify unknown mixture of salts
Day87	Practical work: identify unknown mixture of salts
Day88	Simple problems on PMR spectroscopy frarstructure determination
Day89	Revision
Day90	Revision

Name Of The Professor: Ms. Ranjana **Class And Section: B.Sc Biotech I Sem** **Subject: Physical Chemistry, BT- 105**	
Day 1	Introduction Of States Of Matter
Day 2	Gaseous States - Maxwell's Distribution Of Velocities.
Day 3	Maxwell's Distribution Of Velocities And Energies
Day 4	Maxwell's Distribution Of Velocities And Energies
Day 5	Calculation Of Root Mean Square Velocity & Average Velocity
Day 6	Calculation Of Root Mean Square Velocity & Average Velocity
Day 7	Calculation Of Root Mean Square Velocity & Average Velocity
Day 8	Collision Diameter, Collision Number,
Day 9	Collision Frequency And Mean Free Path.
Day 10	Deviation Of Real Gases From Ideal Behavior
Day 11	Derivation Of Vander Waal's Equation Of State
Day 12	Derivation Of Vander Waal's Equation Of State
Day 13	Application In The Calculation Of Boyle's Temperature.
Day 14	Explanation Of Behaviour Of Real Gases Using Vander Waal's Equation.
Day 15	Explanation Of Behaviour Of Real Gases Using Vander Waal's Equation.
Day 16	Critical Phenomenon: Critical Temperature, Critical Pressure
Day 17	Critical Volume And Their Determination.
Day 18	Assignment
Day 19	PV Isotherms Of Real Gases
Day 20	PV Isotherms Of Real Gases.
Day 21	Continuity Of States & The Isotherms Of Vander Waal's Equation.
Day 22	Relationship Between Critical Constants And Vander Waal"S Constants.
Day 23	Relationship Between Critical Constants And Vander Waal"S Constants.
Day 24	Test
Day 25	Critical Compressibility Factor & The Law Of Corresponding States.
Day 26	Critical Compressibility Factor & The Law Of Corresponding States.
Day 27	Liquifaction Of Gases.
Day 28	Structure Of Liquids.
Day 29	Structure Of Liquids.
Day 30	Properties Of Liquids – Surface Tension,
Day 31	Surface Tension & Their Determination.
Day 32	Viscosity
Day 33	Viscosity & Their Determination.
Day 34	Properties Of Liquids - Vapour Pressure
Day 35	Optical Rotations And Their Determination.
Day 36	Optical Rotations And Their Determination.
Day 37	Assignment
Day 38	Classification Of Solids
Day 39	Laws Of Crystallography
Day 40	Law Of Constancy Of Interfacial Angles
Day 41	Law Of Rationality Of Indices
Day 42	Law Of Symmetry.
Day 43	Test
Day 44	Symmetry Elements Of Crystals

Day 45	Symmetry Elements Of Crystals
Day 46	Definition Of Unit Cell & Space Lattice
Day 47	Bravais Lattices, Crystal System.
Day 48	Valence Bond Theory And Its Limitations.
Day 49	Oral Presentation
Day 50	Discussion
Day 51	Revision
Day 52	Test
Day 53	Critical Compressibility Factor & The Law Of Corresponding States.
Day 54	Critical Compressibility Factor & The Law Of Corresponding States.
Day 55	Liquifaction Of Gases.
Day 56	Structure Of Liquids.
Day 57	Structure Of Liquids.
Day 58	Oral Presentation
Day 59	Discussion
Day 60	Discussion
Day 61	Revision
Day 62	Test
Day 63	Oral Discussion
Day 64	Oral Test
Day 65	Determination Of Crystal Structure Of Nacl
Day 66	Bravais Lattices, Crystal System.
Day 67	Bravais Lattices, Crystal System.
Day 68	Derivation Of Bragg Equation.
Day 69	Derivation Of Bragg Equation.
Day 70	Determination Of Crystal Structure Of Nacl.
Day 71	Test
Day 72	Determination Of Crystal Structure Of Nacl.
Day 73	Determination Of Crystal Structure Of Kcl.
Day 74	Determination Of Crystal Structure Of Kcl.
Day 75	Difference Between Solids, Liquids And Liquid Crystals.
Day 76	Types Of Liquid Crystals
Day 77	Types Of Liquid Crystals
Day 78	Applications Of Liquid Crystals.
Day 79	Applications Of Liquid Crystals.
Day 80	Revision
Day 81	Revision
Day 82	Revision
Day 83	Oral Presentation
Day 84	Test
Day 85	Revision
Day 86	Test
Day 87	Test
Day 88	Previous Year Question
Day 89	Previous Year Question Paper Revision
Day 90	Revision

Name of the Professor: Ms. Ranjana & Ms. Sudha **Class And Section: B.Sc Biotech III Sem** **Subject: Inorganic Chemistry, BT- 307**	
Day 1	Definition Of Transition Elements
Day 2	Position In Periodic Table Of Transition Elements
Day 3	General Characteristics Of Ist Transition Elements
Day 4	Properties Of Ist Transition Elements
Day 5	Gravimetric Analysis Experiment
Day 6	Structure Of Tio2
Day 7	Properties Of Tio2
Day 8	Structure Of Vocl2
Day 9	Properties Of Vocl2
Day 10	Structure Of Fecl3
Day 11	Properties Of Fecl3
Day 12	Structure Of Cucl2
Day 13	Properties Of Cucl2
Day 14	Structure Of Ni(CO)4
Day 15	Properties Of Ni(CO)4
Day 16	Revision
Day 17	Discussion
Day 18	TEST
Day 19	General Characteristics Of Iind Transition Elements
Day 20	Properties Of Iind Transition Elements
Day 21	Properties Of Iind Transition Elements
Day 22	General Characteristics Of Iind Transition Elements
Day 23	General Characteristics Of Iiird Of Transition Elements
Day 24	Properties Iiird Of Transition Elements
Day 25	Properties Iiird Of Transition Elements
Day 26	Properties Of Iind Transition Elements
Day 27	Revision And Assignment
Day 28	Test
Day 29	Revision
Day 30	Comparison Of Properties Of 3d Elements With 4d
Day 31	Comparison Of Properties Of 3d Elements With 4d
Day 32	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 33	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 34	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 35	5d Elements With Reference To Ionic Radii
Day 36	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 37	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 38	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 39	TEST
Day 40	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 41	Discussion
Day 42	Oral Discussion
Day 43	Oral Test

Day 44	Comparison Of Properties Of 3d Elements With 4d & 5d Elements With Reference
Day 45	Comparison Of Properties Of 3d Elements With 4d & 5d Elements With Reference
Day 46	Doubt Class
Day 47	Revision
Day 48	Assignment
Day 49	Test
Day 50	Revision
Day 51	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 52	Comparison Of Properties Of 3d Elements With 4d & 5d Elements
Day 53	Comparison Of Properties Of 5d Elements With Reference To Magnetic Properties
Day 54	Comparison Of Properties Of 3d Elements With 4d To Magnetic Properties
Day 55	Comparison Of Properties Of 3d Elements With 4d & 5d Elements With Reference
Day 56	Comparison Of Properties Of 3d Elements With 4d & 5d Elements With Reference
Day 57	Comparison Of Properties Of 3d Elements With 4d & 5d Elements With Reference
Day 58	Comparison Of Properties Of 3d Elements With 4d & 5d Elements With Reference
Day 59	Werner's Coordination Theory
Day 60	Effective Atomic Number Concept, Chelates,
Day 61	Nomenclature Of Coordination Compounds
Day 62	Isomerism In Coordination Compounds
Day 63	Valence Bond Theory Of Transition Metal Complexes
Day 64	Nomenclature Of Coordination Compounds
Day 65	Discussion
Day 66	Revision
Day 67	Revision
Day 68	Test
Day 69	Physical Properties Of A Solvent
Day 70	Types Of Solvents
Day 71	Solvents General Characteristics
Day 72	Reactions In Non-Aqueous Solvents
Day 73	Reactions In Non-Aqueous Solvents
Day 74	Reactions In Non-Aqueous Solvents With Reference To Liquid NH3 And Liquid SO2
Day 75	Revision Section-A
Day 76	Reactions In Non-Aqueous Solvents With Reference To Liquid NH3
Day 77	Reactions In Non-Aqueous Solvents With Reference To Liquid SO2
Day 78	Reactions In Non-Aqueous Solvents With Reference To Liquid SO2
Day 79	Reactions In Non-Aqueous Solvents With Reference To Liquid NH3
Day 80	Reactions In Non-Aqueous Solvents With Reference To Liquid NH3
Day 81	Revision Section-B
Day 82	Revision Section-B
Day 83	Test
Day 84	Discussion
Day 85	Oral Presentation
Day 86	Test
Day 87	Revision Section-C
Day 88	Revision Section-D
Day 89	Previous Year Paper Revision
Day 90	Revision

Name Of The Professor: Ms. Ranjana **Class And Section: B.Sc Biotech III Sem** **Subject: Physical Chemistry, BT- 305**	
Day 1	Introduction Of Thermodynamics
Day 2	Definition Of Thermodynamic Terms: System,Surrounding.
Day 3	Types Of Systems & Surroundings
Day 4	Types Of Systems & Intensive And Extensive Properties.
Day 5	Types Of Systems & Intensive And Extensive Properties.
Day 6	Types Of Systems & Intensive And Extensive Properties.
Day 7	State And Path Functions& And Their Differentials.
Day 8	Thermodynamic Process & Concept Of Heat And Work.
Day 9	Limitation Of Thermodynamics
Day 10	Zeroth Law Of Thermodynamics& First Law Of Thermodynamics.
Day 11	First Law Of Thermodynamics.
Day 12	Limitation Of First Law Of Thermodynamics
Day 13	Definition Of Internal Energy Definition Of Enthalpy Heat Capacity.
Day 14	Heat Capacities At Constant Volume And Pressure& Their Relationship.
Day 15	Test
Day 16	Assignment
Day 17	Heat Capacities At Constant Volume And Pressure& Their Relationship
Day 18	Heat Capacities At Constant Volume And Pressure Relationship
Day 19	Joule's Law – Joule – Thomson Coefficient For Ideal Gases.
Day 20	Joule's Law – Joule – Thomson Coefficient For Real Gas.
Day 21	Joule's Law – Joule – Thomson Coefficient For Ideal Gases.
Day 22	Joule's Law – Joule – Thomson Coefficient For Real Gas.
Day 23	Discussion
Day 24	Test
Day 25	Joule's Law – Joule – Thomson Coefficient For Inversion Temperature.
Day 26	Joule's Law – Joule – Thomson Coefficient For Inversion Temperature.
Day 27	Joule's Law – Joule – Thomson Coefficient For Inversion Temperature.
Day 28	Test Of The Heat Capacities At Constant Volume And Pressure And Their Relationship.
Day 29	Calculation Of W.Q. Du & Dh For The Expansion Of Ideal Gases
Day 30	Calculation Of W.Q. Du & Dh For The Expansion Of Ideal Gases
Day 31	Calculation Of W.Q. Du & Dh For The Expansion Of Ideal Gases Under Isothermal
Day 32	Calculation Of W.Q. Du & Dh For The Expansion Under Adiabatic Conditions
Day 33	Temperature Dependence Of Enthalpy
Day 34	Kirchoff'S Equation.
Day 35	Kirchoff'S Equation.
Day 36	Oral Test
Day 37	Assignment
Day 38	Bond Energies & Application Of Bond Energies.
Day 39	Application Of Bond Energies.
Day 40	Test Of Joule's Law – Joule – Thomson Coefficient For Real Gas & Ideal Gas.
Day 41	DISCUSSION
Day 42	TEST
Day 43	Van't Hoff Reaction Isochore.

Day 44	Van't Hoff Reaction Isotherm.
Day 45	Van't Hoff Reaction Isochore
Day 46	Temperature Dependence Of Equilibrium Constant.
Day 47	Temperature Dependence Of Equilibrium Constant.
Day 48	Temperature Dependence Of Equilibrium Constant.
Day 49	Clapeyron Equation And Clausius – Clapeyron Equation.
Day 50	Clapeyron Equation And Clausius – Clapeyron Equation.
Day 51	Clapeyron Equation And Clausius – Clapeyron Equation.
Day 52	Nernst Distribution Law – Its Thermodynamic Derivation.
Day 53	Nernst Distribution Law – Its Thermodynamic Derivation.
Day 54	Nernst Distribution Law – Its Thermodynamic Derivation.
Day 55	Concept Of The Modification Of Distribution Law.
Day 56	Concept Of The Modification Of Distribution Law.
Day 57	Le-Chatetier's Principle
Day 58	ASSIGNMENT
Day 59	Test
Day 60	Discussion
Day 61	Modification Of Distribution Law When Solute Undergoes Association & Dissociation.
Day 62	Modification Of Distribution Law When Solute Undergoes Association & Dissociation
Day 63	Modification Of Distribution Law When Solute Undergoes Association & Dissociation
Day 64	Modification Of Distribution Law When Solute Undergoes Chemical Combination.
Day 65	Modification Of Distribution Law When Solute Undergoes Chemical Combination
Day 66	Modification Of Distribution Law When Solute Undergoes Chemical Combination
Day 67	Test Of Clapeyron Equation And Clausius – Clapeyron Equation & Its Applications.
Day 68	Applications Of Distribution Law: Determination Of Degree Of Hydrolysis
Day 69	Applications Of Distribution Law: Determination Of Degree Of Hydrolysis
Day 70	Applications Of Distribution Law: Determination Of Degree Of Hydrolysis
Day 71	Determination Of Degree Of Hydrolysis The Equilibrium Constant And Free Energy.
Day 72	The Equilibrium Constant And Free Energy.
Day 73	Application Of Distribution Law: Determination Of Equilibrium Constant
Day 74	Applications Of Distribution Law: Hydrolysis Constant Of Aniline Hydrochloride.
Day 75	Applications Of Distribution Law: Hydrolysis Constant Of Aniline Hydrochloride.
Day 76	Application Of Distribution Law: Process Of Extraction.
Day 77	Application Of Distribution Law: Process Of Extraction.
Day 78	Test Of The Nernst Distribution Law
Day 79	Test Of The Nernst Distribution Law – Its Thermodynamic Derivation.
Day 80	Revision
Day 81	Test
Day 82	Revision
Day 83	Test
Day 84	Revison
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Previous Paper Discussion
Day 90	Previous Paper Discussion

Name Of The Professor: Ms. Ranjana **Class And Section: B.Sc. Biotech V Sem** **Subject: Physical Chemistry, BT- 505**	
Day 1	Introduction Of Spectroscopy-I
Day 2	Black-Body Radiation
Day 3	Black-Body Radiation
Day 4	Plank's Radiation Law
Day 5	Plank's Radiation Law
Day 6	Compton Effect
Day 7	Compton Effect
Day 8	Photoelectric Effect
Day 9	Photoelectric Effect
Day 10	Black-Body Radiation & Compton Effect
Day 11	Heat Capacity Of Solids Wave Function
Day 12	Heat Capacity Of Solids Wave Function
Day 13	Significance Of Postulates Of Quantum Mechanics
Day 14	Quantum Mechanical Operator, Commutation Relations.
Day 15	Hamiltonial Operator, Hermitian Operator
Day 16	Hermitian Operator
Day 17	Average Value Of Square Of Hermitian As A Positive Quantity.
Day 18	Average Value Of Square Of Hermitian As A Positive Quantity.
Day 19	Assignment
Day 20	Role Of Operators In Quantum Mechanics,.
Day 21	To Show Quantum Mechanically That Position And Momentum
Day 22	Test
Day 23	Determination Of Wave Function & Energy Of A Particle In One Dimensional Box
Day 24	Determination Of Wave Function & Energy Of A Particle In One Dimensional Box
Day 25	Test Of Black-Body Radiation & Heat Capacity Of Solids.
Day 26	Optical Activity, Polarization – (Clausius – Mossotti Equation)
Day 27	Pictorial Representation And Its Significance
Day 28	Energy Of A Particle In One Dimensional Box
Day 29	Orientation Of Dipoles In An Electric Field & Dipole Moment.
Day 30	Orientation Of Dipoles In An Electric Field & Dipole Moment.
Day 31	Included Dipole Moment
Day 32	Measurement Of Dipole Moment-Temperature Method
Day 33	Refractivity Method
Day 34	Measurement Of Dipole Moment-Temperature Method
Day 35	Dipole Moment And Structure Of Molecules, Magnetic Permeability
Day 36	Determination Of Wave Function & Energy Of A Particle In One Dimensional Box
Day 37	Magnetic Susceptibility And Its Determination & Application
Day 38	Magnetic Properties – Paramagnetism, Diamagnetism And Ferromagnetic.
Day 39	Magnetic Properties – Paramagnetism, Diamagnetism And Ferromagnetic.
Day 40	Magnetic Properties – Paramagnetism, Diamagnetism And Ferromagnetic
Day 41	Basic Features Of Spectroscopy
Day 42	Statement Of Bornoppenheimer Approximation & Degrees Of Freedom
Day 43	Test Of Clausius – Mossotti Equation.
Day 44	Diatomic Molecules & Energy Levels Of Rigid Rotator.
Day 45	Energy Levels Of Rigid Rotator

Day 46	Diatomic Molecules & Energy Levels Of Rigid Rotator.
Day 47	Selection Rules
Day 48	Spectral Intensity Distribution Using Population Distribution
Day 49	Spectral Intensity Distribution Using Population Distribution
Day 50	Determination Of Bond Length & Qualitative Description Of Non-Rigid Rotor,
Day 51	Qualitative Description Of Non-Rigid Rotor
Day 52	Qualitative Description Of Non-Rigid Rotor
Day 53	Isotope Effect
Day 54	Test
Day 55	Infrared Spectrum: Energy Levels Of Simple Harmonic Oscillator
Day 56	Infrared Spectrum: Energy Levels Of Simple Harmonic Oscillator
Day 57	Qualitative Relation Of Force Constant Bond Energies
Day 58	Determination Of Force Constant
Day 59	Determination Of Force Constant And Qualitative Relation Of Force Constant
Day 60	Discussion
Day 61	Determination Of Force Constant And Qualitative Relation Of Force Constant
Day 62	Effects Of Anharmonic Motion And Isotopic Effect On The Spectra
Day 63	Effects Of Anharmonic Motion And Isotopic Effect On The Spectra
Day 64	Idea Of Vibrational Frequencies Of Different Functional Groups
Day 65	Effects Of Anharmonic Motion And Isotopic Effect On The Spectra
Day 66	Discussion
Day 67	Test
Day 68	Concept Of Polarizibility And Pure Rotational
Day 69	Pure Vibrational Raman Spectra
Day 70	Concept Of Polarizability
Day 71	Concept Of Polarizibility And Pure Rotational And Pure Vibrational Raman Spectra
Day 72	Oral Presentation
Day 73	Pure Rotational And Pure Vibrational Raman Spectra Of Diatomic Molecules
Day 74	Pure Rotational And Pure Vibrational Raman Spectra Of Diatomic Molecules
Day 75	Effects Of Anharmonic Motion And Isotopic Effect On The Spectra
Day 76	Effects Of Anharmonic Motion And Isotopic Effect On The Spectra
Day 77	Bond Energies & Effects Of Anharmonic Motion And Isotopic Effect On The Spectra
Day 78	Pure Rotational And Pure Vibrational Raman Spectra Of Diatomic Molecules
Day 79	Revision
Day 80	Revision
Day 81	Test
Day 82	Oral Presentation
Day 83	Revision
Day 84	Oral Test
Day 85	Revision
Day 86	Revision
Day 87	Previous Paper Discussion
Day 88	Previous Year Paper Discussion
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Ranjana **Class And Section: B.Sc. Biotech V Sem** **Subject: Inorganic Chemistry, Bt- 507**	
Day 1	Introduction Of Syllabus
Day 2	Metal-Ligand Bonding In Transition Metal Complexes
Day 3	Valence Bond Theory
Day 4	Limitations Of Valence Bond Theory
Day 5	An Elementary Idea Of Cr Ystal-F Ield Theory
Day 6	Valence Bond Theory
Day 7	Crystal Field Splitting In Octahedral
Day 8	Crystal Field Splitting In Tetrahedral Complexes
Day 9	An Elementary Idea Of Crystal-Field Theory
Day 10	An Elementary Idea Of Crystal-Field Theory
Day 11	Factors Affecting The Crystal-Field Parameters
Day 12	Crystal Field Splitting Square Planar Complexes
Day 13	Crystal Field Splitting Square Planar Complexes
Day 14	Factors Affecting The Crystal-Field Parameters
Day 15	Factors Affecting The Crystal-Field Parameters
Day 16	Factors Affecting The Crystal-Field Parameters
Day 17	Assignment
Day 18	Test
Day 19	Oral Discussion
Day 20	Revision
Day 21	A Brief Outline Of Thermodynamic Stability Of Metal Complexes
Day 22	Factors Affecting The Stability Of Metal Complexes
Day 23	Test Of The Limitations Of Valence Bond Theory & An Elementary Idea Of Crystal
Day 24	An Elementary Idea Of Crystal-Field Theory.
Day 25	Factors Affecting The Stability Of Metal Complexes
Day 26	Factors Affecting The Stability Of Metal Complexes
Day 27	Substitution Reactions Of Square Planar Complexes
Day 28	Substitution Reactions Of Square Planar Complexes
Day 29	Test Of The Crystal Field Splitting In Octahedral Complexes
Day 30	Discussion
Day 31	Substitution Reactions Of Square Planar Complexes Of Pt(II)
Day 32	Substitution Reactions Of Square Planar Complexes Of Pt(II)
Day 33	Magnetic Properties Of Transition Metal Complexe
Day 34	Magnetic Properties Of Transition Metal Complexe
Day 35	Assignment
Day 36	Test
Day 37	Oral Presentation
Day 38	Discussion
Day 39	Revision
Day 40	Types Of Magnetic Behavior Of Transition Metal Complexe
Day 41	Spin-Only Formula & L-S Coupling
Day 42	Correlation Of Del S & Effect Values
Day 43	Orbital Contribution To Magnetic Moments
Day 44	Methods Of Determining Magnetic Susceptibility

Day 45	Methods Of Determining Magnetic Susceptibility
Day 46	Orbital Contribution To Magnetic Moments
Day 47	Application Of Magnetic Moment Data For 3d -Metal Complexes
Day 48	Test Of The Spin-Only Formula & L-S Coupling
Day 49	Application Of Magnetic Moment Data For 3d -Metal Complexes
Day 50	Application Of Magnetic Moment Data For 3d -Metal Complexes
Day 51	Types Of Electronic Transitions
Day 52	Electron Spectra Of Transition Metal Complexes
Day 53	Selection Rules For D-D Transitions
Day 54	Electron Spectra Of Transition Metal Complexes
Day 55	Spectroscopic Ground States
Day 56	Selection Rules For D-D Transitions
Day 57	Revision
Day 58	Orgel-Energy Level Diagram For D1
Day 59	Orgel-Energy Level Diagram For D1
Day 60	Orgel-Energy Level Diagram For D 9 States.
Day 61	Orgel-Energy Level Diagram For D1
Day 62	Semimicro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 63	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 64	Discussion Of The Electronic Spectrum Of [Ti(H2O) 6] 3+ Complex Ion.
Day 65	Application Of Magnetic Moment Data For 3d -Metal Complexes
Day 66	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 67	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 68	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 69	Discussion
Day 70	Assignment
Day 71	Discussion Of The Electronic Spectrum Of Complex Ion.
Day 72	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 73	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 74	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 75	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 76	Discussion
Day 77	Revision Of Substitution Reactions Of Square Planar Complexes Of Pt(II)
Day 78	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 79	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 80	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 81	Semi Micro Qualitative Analysis Of Mixture Containing Not More Than Four Radicals
Day 82	Test Of The Substitution Reactions Of Square Planar Complexes Of Pt(II)
Day 83	Revision Of A Brief Outline Of Thermodynamic Stability Of Metal Complexes
Day 84	Discussion
Day 85	Revision
Day 86	Test
Day 87	Previous Year Question Paper Revision
Day 88	Previous Year Question Paper Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Renu Pandey Class And Section: B.Sc. Biotechnology Ist Year Subject: Cell Biology (BT 103)	
Day 1	Unit I Introduction Of Syllabus
Day 2	Cell Type
Day 3	Classification Of Organisms By Cell Structure
Day 4	Classification Of Organisms By Cell Structure
Day 5	Compartmentalization Of Eukaryotic Cells
Day 6	Membrane As Dynamic Entity
Day 7	Cytosol
Day 8	Practical The Effect Of Temperature,Organic Solvent On Semi Permeable Membrane
Day 9	Cell Membrane
Day 10	Biological Membrane
Day 11	Chemical Components Of Biological Membranes
Day 12	Permeability
Day 13	Organization Of Plasma Membrane
Day 14	Membrane Transport
Day 15	Membrane Transport
Day 16	Practical The Effect Of Temperature,Organic Solvent On Semi Permeable Membrane
Day 17	Assignment Discussion & Revision
Day 18	Fluid Mosaic Model
Day 19	Fluid Mosaic Model
Day 20	Cell Recognition
Day 21	Cell Recognition
Day 22	Presentation
Day 23	UNIT II: Membrane Vacuolar System
Day 24	Vacuolar System
Day 25	Microfilaments
Day 26	Practical The Effect Of Temperature,Organic Solvent On Semi Permeable Membrane
Day 27	Intermediate Filaments
Day 28	Cytoskeleton
Day 29	Test
Day 30	Endoplasmic Reticulum: Structure
Day 31	Protein Segregation
Day 32	Practical The Effect Of Temperature,Organic Solvent On Semi Permeable Membrane
Day 33	Endoplasmic Reticulum Function
Day 34	Golgi Complex
Day 35	Golgi Complex
Day 36	Structure
Day 37	Chemical Composition& Biogenesis Of ER
Day 38	Chemical Composition& Biogenesis Of ER
Day 39	Test
Day 40	Presentation
Day 41	Revision
Day 42	Protein Secretion
Day 43	Structure And Functions Ribosomes

Day 44	Practical Study Of Effect Of Temperature On Semi Permeable Membrane.
Day 45	Structure And Functions Ribosomes
Day 46	Protein Synthesis
Day 47	Mitochondria: Structure
Day 48	Mitochondria: Biogenesis
Day 49	Mt Genomes
Day 50	Presentation
Day 51	Chloroplasts: Structure
Day 52	Practical Cell Fractionation And Determination Of Enzyme Activity In Organelles
Day 53	Chloroplasts: Genomes
Day 54	Test
Day 55	Chloroplasts: Biogenesis
Day 56	Nucleus: Structure
Day 57	Nucleus: Structure
Day 58	Cell Division
Day 59	Practical Cell Fractionation And Determination Of Enzyme Activity In Organelles
Day 60	Cell Cycle (Interphase & M Phases)
Day 61	Cell Cycle (Interphase & M Phases)
Day 62	Cell Cycle Regulation
Day 63	Cell Cycle Regulation
Day 64	Practical Cell Division In Onion Root Tip
Day 65	Regulation Of Cell Cycle.
Day 66	Revision
Day 67	Extracellular Matrix
Day 68	Extracellular Matrix
Day 69	Composition, Macromolecules
Day 70	Composition, Macromolecules
Day 71	Molecules That Mediate Cell Adhesion
Day 72	Molecules That Mediate Cell Adhesion
Day 73	Membrane Receptors For Extracellular Matrix
Day 74	Practical Preparation Of Nuclear, Mitochondrial And Cytoplasmic Preparation
Day 75	Membrane Receptors For Extracellular Matrix
Day 76	Membrane Receptors
Day 77	Membrane Receptors
Day 78	Extracellular Matrix
Day 79	Extracellular Matrix
Day 80	Types Of ECM Receptors
Day 81	Assignment Discussion
Day 82	Practical Preparation Of Nuclear, Mitochondrial And Cytoplasmic Preparation
Day 83	Cancer
Day 84	Molecular Basis Of Cancer
Day 85	Cancer Biology
Day 86	Oncogenes
Day 87	Revision Unit I
Day 88	Revision Unit II
Day 89	Revision Unit III
Day 90	Revision Unit IV

Name Of Professor: Ms. Renu Pandey **Class: B.Sc. Biotechnology Iind Year** **Subject: Bioanalytical Tools (BT 304)**	
Day 1	Introduction Of Syllabus
Day 2	UNIT I Simple Microscopy
Day 3	Simple Compound Light Microscopy
Day 4	Electron Microscope
Day 5	Electron Microscope
Day 6	Phase Contrast Microscopy
Day 7	Practical Native Gel Electrophoresis Of Protein
Day 8	Phase Contrast Microscopy
Day 9	Fluorescence Microscopy
Day 10	Electron Microscopy
Day 11	Assignment 1
Day 12	TEM And SEM
Day 13	TEM And SEM
Day 14	Ph Meter
Day 15	Absorption Spectroscopy
Day 16	Absorption Spectroscopy
Day 17	Emission Spectroscopy
Day 18	Test
Day 19	Practical Native Gel Electrophoresis Of Protein
Day 20	UNIT II Principle Of Absorption Fluorimetry
Day 21	Presentation
Day 22	Law Of Absorption Fluorimetry
Day 23	Colorimetry
Day 24	Infra-Red Spectrophotometry
Day 25	Infra-Red Spectrophotometry
Day 26	Spectrophotometry (Visible)
Day 27	Practical SDS PAGE
Day 28	Spectrophotometry (Infra-Red)
Day 29	Spectrophotometry (UV)
Day 30	Cell Fractionation Techniques
Day 31	Cell Fractionation Techniques
Day 32	Isolation Of Sub-Cellular Organelles And Particles
Day 33	Isolation Of Sub-Cellular Organelles And Particles
Day 34	UNIT III Introduction Of Chromatography
Day 35	Principle Of Chromatography
Day 36	Paper Chromatography
Day 37	Presentation
Day 38	Thin Layer Chromatography
Day 39	Practical Preparation Of Subcellular Fractions
Day 40	Column Chromatography: Silica And Gel Filtration
Day 41	Chromatography: Silica And Gel Filtration
Day 42	Affinity And Ion Exchange Chromatography
Day 43	Gas Chromatography
Day 44	Gas Chromatography

Day 45	Practical Preparation Of Subcellular Fractions
Day 46	HPLC
Day 47	UNIT IV Introduction To Electrophoresis. Starch-Gel
Day 48	Principle Of Electrophoresis
Day 49	Agarose Gel
Day 50	Polyacrylamide Gel
Day 51	PAGE
Day 52	Starch-Gel
Day 53	Native PAGE
Day 54	Assignment
Day 55	Practical Verify Lambert Beer Law
Day 56	Agarose Gel
Day 57	Presentation
Day 58	Cellulose Gel
Day 59	SDS-PAGE
Day 60	SDS-PAGE
Day 61	Revision
Day 62	ELISA
Day 63	ELISA
Day 64	Immuno Electrophoresis
Day 65	Immuno Electrophoresis
Day 66	Test
Day 67	Practical Verification Lambert-Beer Law
Day 68	Isoelectric Focusing
Day 69	Isoelectric Focusing
Day 70	2D Gel Electrophoresis
Day 71	2D Gel Electrophoresis
Day 72	Agarose-Gel Electrophoresis
Day 73	Revision
Day 74	2D Gel Electrophoresis
Day 75	Agarose-Gel Electrophoresis
Day 76	Agarose-Gel Electrophoresis
Day 77	Sequencing Gel
Day 78	Sequencing Gel
Day 79	IEF & Point
Day 80	Assignment
Day 81	Isoelectrofocussing
Day 82	Introduction To Nanotechnology
Day 83	Isoelectrofocussing
Day 84	Biosensors
Day 85	Presentation
Day 86	Biosensors
Day 87	Revision Unit I
Day 88	Revision Unit II
Day 89	Revision Unit III
Day 90	Revision Unit IV

Name Of Professor Ms. Renu Pandey **Class: B.Sc. Biotechnology IIIrd Year** **Subject: Genomics & Proteomics (BT504)**	
Day 1	Introduction Of The Syllabus
Day 2	Introduction Of Genome
Day 3	Genomics
Day 4	Structural Genomics
Day 5	Introduction To Genomics
Day 6	DNA Sequencing Methods
Day 7	DNA Sequencing Methods
Day 8	Manual & Automated
Day 9	Manual & Automated
Day 10	Practical NCBI Genome Site
Day 11	Presentation
Day 12	Maxam And Gilbert
Day 13	Maxam And Gilbert
Day 14	Sanger's Method
Day 15	Sanger's Method
Day 16	DNA Sequencing By Sangers Method
Day 17	Assignment
Day 18	Chain Termination Method
Day 19	Chain Termination Method
Day 20	The Dideoxy Method Of DNA Sequencing
Day 21	Pyrosequencing
Day 22	Practical NCBI Genome Site
Day 23	Pyrosequencing
Day 24	Genome Sequencing Methods
Day 25	Shot Gun Method
Day 26	Shot Gun Method
Day 27	Practical ORF Finder
Day 28	Hierarchical (Clone Contig) Methods
Day 29	Hierarchical (Clone Contig) Methods
Day 30	Computer Tools For Sequencing Projects
Day 31	Computer Tools For Sequencing Projects
Day 32	Managing And Distributing Genome Data
Day 33	Presentation
Day 34	Genome Data
Day 35	Web-Based Servers And Software For Genome Analysis
Day 36	Web-Based Servers And Software For Genome Analysis
Day 37	Web-Based Servers And Software For Genome Analysis
Day 38	Test
Day 39	Practical Software For Protein Localization
Day 40	Genome Browser
Day 41	UCSC
Day 42	VISTA
Day 43	NCBI Genome
Day 44	Selected Model Organismal Genomes And Databases

Day 45	Selected Model Organismal Genomes And Databases
Day 46	Practical Hydropathy Plots
Day 47	UNIT III Introduction To Protein.
Day 48	Chemical Properties Of Proteins
Day 49	Physical Properties Of Proteins
Day 50	Physical Interactions That Determine The Properties Of Proteins
Day 51	Vander Waal Interactions
Day 52	Assignment
Day 53	Physical Interactions That Determine The Properties Of Proteins
Day 54	Electrostatic Forces,
Day 55	Practical Hydropathy Plots
Day 56	Determination Of Sizes Sedimentation Analysis
Day 57	Gel Filtration
Day 58	Edman Degradation
Day 59	Edman Degradation
Day 60	(SDS-PAGE);
Day 61	Native PAGE
Day 62	UNIT IV Introduction To Proteomics
Day 63	Practical Native PAGE
Day 64	Analysis Of Proteomes, 2D- PAGE
Day 65	Analysis Of Proteomes, 2D- PAGE.
Day 66	Sample Preparation
Day 67	Reduction
Day 68	Solubilization,
Day 69	Practical SDS PAGE
Day 70	Reproducibility Of2d-PAGE
Day 71	Reproducibility Of2d-PAGE
Day 72	Mass Spectrometry-Based Methods For
Day 73	Protein Identification
Day 74	Protein Identification
Day 75	Mass Spectrometer
Day 76	Presentation
Day 77	De Novo Sequencing Using Mass Spectrometric Data.
Day 78	De Novo Sequencing Using Mass Spectrometric Data.
Day 79	Practical SDS PAGE
Day 80	Protein Sequencing Approaches.
Day 81	Top-Down Protein Sequencing
Day 82	Top-Down Protein Sequencing
Day 83	Bottom Up Seq
Day 84	Assignment
Day 85	Bottom-Up Sequencing
Day 86	Presentation
Day 87	Revision I
Day 88	Revision II
Day 89	Revision III
Day 90	Revision IV

Name Of The Associate/Assistant Professor: Ms. Sudha Diwakar **Class And Section:B.Sc Biotech ^{Ist}sem** **Subject:Inorganicchemistry,Bt-106**	
Day1	Practical : Redox Titration
Day2	Kmno4 Against Mohrs Salt
Day3	Valence Bond Theory And Its Limitations
Day4	Directional Characteristics Of Covalent Bond & Various Types Of Hybridization
Day5	Shapes Of Simple Inorganic Moleculesandions ,Pf5,Sf5
Day6	Bef2,Bf3,Ch4,Pf5,Sf6,
Day7	Practical Work :Percentage Purity Of Mohrs Salt
Day8	Kmno4 And Oxalic Acid Titration
Day9	Kmno4 And Oxalic Acid Titration
Day10	Shapes Of Simple Inorganic Molecules And Ions So42-,Clo4-)
Day11	Valenceshellelectron Pairrepulsion(Vsepr)Theorytonh3,H3o+,Sf4,Cif3
Day12	Cif3, Ici2-And H2o.
Day13	Revision Of Structrues
Day14	Practical Work: Surface Tension
Day15	Bond Strength And Bond Energy
Day16	Motheoryofheteronuclear(Coandno)Diatomic.Molecules
Day17	Percentage Oniccharacterfromdipolemomentandelectronegativitydifference.
Day18	Practical Work: Viscosity
Day19	Numerical Practice On Ionic Character.
Day20	Practical Work: Redox Titration Of Kmno4
Day21	Practical Work: Redox Titration Of Kmno4
Day22	Ionicstructuresnacl,Cscl,Zns(Zincblende),Caf2
Day23	Test On Topic:Covalent Bonding
Day24	Nacl,Cscl
Day25	Zns(Zincblende),Caf2 Radius Ratio Effect
Day26	Redo Titration Kmno4 Against Hypo Solution
Day27	Lattice Defects,Semi Conductors
Day28	Lattice Defects,Semi Conductors
Day 29	Spectrophotometry (UV)
Day 30	Cell Fractionation Techniques
Day 31	Cell Fractionation Techniques
Day 32	Isolation Of Sub-Cellular Organelles And Particles
Day 33	Isolation Of Sub-Cellular Organelles And Particles
Day 34	UNIT III Introduction Of Chromatography
Day 35	Principle Of Chromatography
Day 36	Paper Chromatography
Day 37	Presentation
Day 38	Thin Layer Chromatography
Day 39	Practical Preparation Of Subcellular Fractions
Day 40	Column Chromatography: Silica And Gel Filtration
Day 41	Chromatography: Silica And Gel Filtration
Day 42	Affinity And Ion Exchange Chromatography
Day 43	Gas Chromatography

Day 44	Gas Chromatography
Day 45	Selected Model Organismal Genomes And Databases
Day 46	Practical Hydropathy Plots
Day 47	UNIT III Introduction To Protein.
Day 48	Chemical Properties Of Proteins
Day 49	Physical Properties Of Proteins
Day 50	Physical Interactions That Determine The Properties Of Proteins
Day 51	Vander Waal Interactions
Day 52	Assignment
Day 53	Physical Interactions That Determine The Properties Of Proteins
Day 54	Electrostatic Forces,
Day 55	Practical Hydropathy Plots
Day 56	Determination Of Sizes Sedimentation Analysis
Day 57	Gel Filtration
Day 58	Edman Degradation
Day 59	Edman Degradation
Day 60	(SDS-PAGE);
Day 61	Native PAGE
Day 62	UNIT IV Introduction To Proteomics
Day 63	Practical Native PAGE
Day 64	Analysis Of Proteomes, 2D- PAGE
Day 65	Analysis Of Proteomes, 2D- PAGE.
Day 66	Sample Preparation
Day 67	Reduction
Day 68	Solubilization,
Day 69	Practical SDS PAGE
Day 70	Reproducibility Of2d-PAGE
Day 71	Reproducibility Of2d-PAGE
Day 72	Mass Spectrometry-Based Methods For
Day 73	Protein Identification
Day 74	Protein Identification
Day 75	Mass Spectrometer
Day 76	Presentation
Day 77	De Novo Sequencing Using Mass Spectrometric Data.
Day 78	De Novo Sequencing Using Mass Spectrometric Data.
Day 79	Practical SDS PAGE
Day 80	Protein Sequencing Approaches.
Day 81	Top-Down Protein Sequencing
Day 82	Top-Down Protein Sequencing
Day 83	Bottom Up Seq
Day 84	Assignment
Day 85	Bottom-Up Sequencing
Day 86	Presentation
Day 87	Revision I
Day 88	Revision II
Day 89	Revision III
Day 90	Revision IV

Name Of The Associate/Assistant Professor: Dr. Jasvinder Kour Class And Section: B.Sc. Biotechnology 1st Year Subject: Plant Diversity I And Bioprospecting (Bt-102)	
Day 1	General Character Of Algae
Day 2	General Character Of Algae
Day 3	General Character Of Algae
Day 4	General Character Of Algae
Day 5	Classification And Economic Importance
Day 6	Classification And Economic Importance
Day 7	Classification And Economic Importance
Day 8	Chlorophyceae – Volvox
Day 9	Chlorophyceae – Volvox
Day 10	Chlorophyceae – Volvox
Day 11	Chlorophyceae – Oedogonium
Day 12	Chlorophyceae – Oedogonium
Day 13	Chlorophyceae – Oedogonium
Day 14	Xantho Phyceae –Vaucheria
Day 15	Xantho Phyceae –Vaucheria
Day 16	Xantho Phyceae –Vaucheria (Pp)
Day 17	Phaeophyceae – Ectocarpus
Day 18	Phaeophyceae – Ectocarpus
Day 19	Phaeophyceae – Ectocarpus
Day 20	Rhodophyceae-Polysiphonia
Day 21	Rhodophyceae-Polysiphonia
Day 22	- General Characters Of Fungi (Pp)
Day 23	Test
Day 24	General Characters Of Fungi
Day 25	General Characters Of Fungi
Day 26	General Characters Of Fungi
Day 27	Classification & Economic Importance
Day 28	Classification & Economic Importance
Day 29	Mastigomycontina- Phytophthora
Day 30	Mastigomycontina- Phytophthora
Day 31	Mastigomycontina- Phytophthora
Day 32	Zygomycotina-Mucor
Day 33	Zygomycotina-Mucor
Day 34	Zygomycotina-Mucor
Day 35	Ascomycotina- Saccharomyces
Day 36	Ascomycotina- Saccharomyces (Pp)
Day 37	Ascomycotina- Saccharomyces
Day 38	Basidomycotina-Agaricus
Day 39	Basidomycotina-Agaricus
Day 40	Basidomycotina-Agaricus
Day 41	Deutromycotina-Colletotrichum
Day 42	Deutromycotina-Colletotrichum
Day 43	Classification And General Structure Of Lichens
Day 44	Reproduction And Economic Importance
Day 45	Reproduction And Economic Importance
Day 46	Lichens (Pp)
Day 47	Plant Diseases: Rust & Smut Of Wheat

Day 48	Rust & Smut Of Wheat (Pp)
Day 49	Rust & Smut Of Wheat
Day 50	Test
Day 51	Test Discussion
Day 52	Test Discussion
Day 53	White Rust Of Crucifers
Day 54	White Rust Of Crucifers
Day 55	White Rust Of Crucifers
Day 56	Late Blight Of Potato
Day 57	Late Blight Of Potato
Day 58	Late Blight Of Potato
Day 59	Test
Day 60	Red Rot Of Sugarcane
Day 61	Red Rot Of Sugarcane
Day 62	Citrus Canker
Day 63	Citrus Canker
Day 64	Citrus Canker (Pp)
Day 65	General Characters Of Bryophytes
Day 66	General Characters Of Bryophytes
Day 67	General Characters Of Bryophytes
Day 68	Classification & Economic Importance
Day 69	Marchantia
Day 70	Marchantia
Day 71	Marchan
Day 72	Marchantia
Day 73	Marchantia (Pp)
Day 74	Marchantia (Pp)
Day 75	Funaria
Day 76	Funaria
Day 77	Funaria
Day 78	Funaria
Day 79	Funaria (Pp)
Day 80	Funaria (Pp)
Day 81	Previous Year Questions Discussion
Day 82	Previous Year Questions Discussion
Day 83	Previous Year Questions Discussion
Day 84	Previous Year Questions Discussion
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Associate/Assistant Professor: Dr. Jasvinder Kour **Class And Section: B.Sc. Biotechnology 2nd Year** **Subject: Plant Diversity Ii (Bt-304)**	
Day 1	General Characters Of Pteridophytes
Day 2	General Characters Of Pteridophytes
Day 3	General Characters Of Pteridophytes
Day 4	General Characters Of Pteridophytes
Day 5	General Characters Of Pteridophytes
Day 6	Affinities With Bryophytes & Gymnosperms
Day 7	Affinities With Bryophytes & Gymnosperms
Day 8	Affinities With Bryophytes & Gymnosperms
Day 9	Classification, Economic Importance
Day 10	Classification, Economic Importance
Day 11	Classification, Economic Importance
Day 12	Study Of Life Histories Of Fossil Pteridophytes – Rhynia
Day 13	Life Histories Of Selaginella
Day 14	Life Histories Of Selaginella
Day 15	Life Histories Of Selaginella (Pp)
Day 16	Life Histories Of Selaginella (Pp)
Day 17	Life Histories Of Selaginella
Day 18	Life Histories Of Selaginella
Day 19	Heterospory And Seed Habit
Day 20	Heterospory And Seed Habit
Day 21	Heterospory And Seed Habit
Day 22	Heterospory And Seed Habit
Day 23	Equisetum
Day 24	Equisetum
Day 25	Equisetum
Day 26	Equisetum
Day 27	Equisetum (Pp)
Day 28	Equisetum (Pp)
Day 29	Pteris
Day 30	Pteris
Day 31	Pteris (Pp)
Day 32	Pteris (Pp)
Day 33	Test
Day 34	Test Discussion
Day 35	Test Discussion
Day 36	Lycopodium
Day 37	Lycopodium
Day 38	Lycopodium
Day 39	Lycopodium
Day 40	Lycopodium
Day 41	Lycopodium (Ppp
Day 42	Lycopodium (Pp)
Day 43	General Characters Of Gymnosperms
Day 44	General Characters Of Gymnosperms
Day 45	General Characters Of Gymnosperms
Day 46	General Characters Of Gymnosperms
Day 47	General Characters Of Gymnosperms
Day 48	Geological Time Scale
Day 49	Geological Time Scale

Day 50	Geological Time Scale
Day 51	Theories Of Fossil Formation
Day 52	Theories Of Fossil Formation
Day 53	Theories Of Fossil Formation
Day 54	Theories Of Fossil Formation
Day 55	Types Of Fossils
Day 56	Types Of Fossils
Day 57	Types Of Fossils
Day 58	Fossil Gymnosperms - Williamsonia & Glossopteris
Day 59	Fossil Gymnosperms - Williamsonia & Glossopteris
Day 60	Fossil Gymnosperms - Williamsonia & Glossopteris
Day 61	Telome And Steel Concept
Day 62	Telome And Steel Concept
Day 63	Telome And Steel Concept
Day 64	Test
Day 65	Test Discussion
Day 66	Test Discussion
Day 67	Life Histories Of Cycas
Day 68	Life Histories Of Cycas
Day 69	Life Histories Of Cycas
Day 70	Life Histories Of Cycas
Day 71	Life Histories Of Cycas (Pp)
Day 72	Life Histories Of Cycas (Pp)
Day 73	Life Histories Of Pinus
Day 74	Life Histories Of Pinus
Day 75	Life Histories Of Pinus
Day 76	Life Histories Of Pinus
Day 77	Life Histories Of Pinus (Pp)
Day 78	Life Histories Of Pinus (Pp)
Day 79	Economic Importance Of Gymnosperms
Day 80	Previous Year Question Paper Discussion
Day 81	Previous Year Question Paper Discussion
Day 82	Previous Year Question Paper Discussion
Day 83	Previous Year Question Paper Discussion
Day 84	Previous Year Question Paper Discussion
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Associate/Assistant Professor: Dr. Jasvinder Kour **Class And Section: B.Sc. Biotechnology 3rd Year** **Subject: Recombinant Dna Technology (Bt-502)**	
Day 1	Introduction
Day 2	Introduction
Day 3	Gene Recombination And Gene Transfer: Bacterial Conjugation
Day 4	- Gene Recombination And Gene Transfer: Bacterial Conjugation
Day 5	Transformation, Transduction
Day 6	Transformation, Transduction
Day 7	Episomes, Plasmids
Day 8	Episomes, Plasmids
Day 9	Microinjection,
Day 10	Electroporation
Day 11	Microprojectile, Shot Gun Method
Day 12	Ultrasonication
Day 13	Liposome Fusion
Day 14	Microlaser
Day 15	Changing Genes: Site-Directed Mutagenesis
Day 16	Changing Genes: Site-Directed Mutagenesis
Day 17	Changing Genes: Site-Directed Mutagenesis
Day 18	Protein Engineering: Primer Extension Is A Simple Method For Site Directed
Day 19	Protein Engineering: Primer Extension Is A Simple Method For Site Directed
Day 20	Protein Engineering: Primer Extension Is A Simple Method For Site Directed
Day 21	Pcr Based Site Directed Mutagenesis
Day 22	Pcr Based Site Directed Mutagenesis
Day 23	Pcr Based Site Directed Mutagenesis
Day 24	Random Mutagenesis
Day 25	Random Mutagenesis (Pp)
Day 26	Random Mutagenesis (Pp)
Day 27	Use Of Phage Display Techniques To Facilitate The Selection Of Mutant Peptides
Day 28	Test
Day 29	Use Of Phage Display Techniques To Facilitate The Selection Of Mutant Peptides
Day 30	Gene Shuffling
Day 31	Gene Shuffling
Day 32	Gene Shuffling
Day 33	Oral Test
Day 34	Oral Test
Day 35	Production Of Chimeric Proteins
Day 36	Production Of Chimeric Proteins
Day 37	Genetic Engineering In Animals: Production Of Transgenic Mice
Day 38	Genetic Engineering In Animals: Production Of Transgenic Mice
Day 39	Genetic Engineering In Animals: Production Of Transgenic Mice
Day 40	Es Cells Can Be Used For Gene Targeting In Mice
Day 41	Es Cells Can Be Used For Gene Targeting In Mice
Day 42	Es Cells Can Be Used For Gene Targeting In Mice
Day 43	Applications Of Gene Targeting
Day 44	Applications Of Gene Targeting
Day 45	Applications Of Gene Targeting (Pp)
Day 46	Using Yeast To Study Eukaryotic Gene Function (Pp)

Day 47	Using Yeast To Study Eukaryotic Gene Function
Day 48	Using Yeast To Study Eukaryotic Gene Function
Day 49	Therapeutic Products Produced By Genetic Engineering-Blood Proteins
Day 50	Therapeutic Products Produced By Genetic Engineering-Blood Proteins
Day 51	Therapeutic Products Produced By Genetic Engineering-Blood Proteins
Day 52	Human Hormones
Day 53	Human Hormones
Day 54	Immune Modulators And Vaccines
Day 55	Transgenic Animals
Day 56	Transgenic Animals
Day 57	Transgenic Animals (Pp)
Day 58	Transgenic Animals (Pp)
Day 59	Production Of Proteins Of Pharmaceutical Value
Day 60	Production Of Proteins Of Pharmaceutical Value
Day 61	Test
Day 62	Test Discussion
Day 63	Genetic Engineering In Plants: Use Of Agrobacterium Tumefaciens
Day 64	Genetic Engineering In Plants: Use Of Agrobacterium Tumefaciens
Day 65	Genetic Engineering In Plants: Use Of Agrobacterium Tumefaciens
Day 66	Genetic Engineering In Plants: Use Of Arhizogenes
Day 67	Genetic Engineering In Plants: Use Of Arhizogenes
Day 68	Genetic Engineering In Plants: Use Of Arhizogenes
Day 69	Ti Plasmids, Strategies For Gene Transfer To Plant Cells
Day 70	Ti Plasmids, Strategies For Gene Transfer To Plant Cells
Day 71	Ti Plasmids, Strategies For Gene Transfer To Plant Cells
Day 72	Direct Dna Transfer To Plants
Day 73	Direct Dna Transfer To Plants
Day 74	Direct Dna Transfer To Plants
Day 75	Direct Dna Transfer To Plants (Pp)
Day 76	Direct Dna Transfer To Plants (Pp)
Day 77	Gene Targeting In Plants
Day 78	Gene Targeting In Plants
Day 79	Use Of Plant Viruses As Episomal Expression Vectors
Day 80	Use Of Plant Viruses As Episomal Expression Vectors
Day 81	Use Of Plant Viruses As Episomal Expression Vectors
Day 82	Previous Year Question Paper Discussion
Day 83	Previous Year Question Paper Discussion
Day 84	Previous Year Question Paper Discussion
Day 85	Previous Year Question Paper Discussion
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Dr Jyoti Kapil, Dr. Priti **Class And Section: B.Sc.Biotech 1st Yr** **Subject: Biochemistry**	
Day 1	Structure Amino Acids
Day 2	Introduction Of Lipids, Classification
Day 3	Amino Acid Structure
Day 4	Structures, Nomenclature
Day 5	Properties Of Fatty Acids
Day 6	Essential Fatty Acids
Day 7	Practical- Proteins
Day 8	Phospholipids Structure
Day 9	Primary Structure
Day 10	Properties Of Different Types Of Phospholipids
Day 11	Sphingomyelins, Glycolipids, Cerebrosides
Day 12	Gangliosides
Day 13	Protein Structure -2,3 ,4
Day 14	Prostaglandins, Cholesterol – Its Structure And Biological Properties
Day 15	Protein Classification
Day 16	Prostaglandins, Cholesterol – Its Structure And Biological Properties,
Day 17	Prostaglandins, Cholesterol – Its Structure And Biological Properties,
Day 18	Utilization Of Cholesterol
Day 19	Different Level Of Structural Organization Of Proteins
Day 20	Physical & Chemical Properties Of Nucleic Acids,
Day 21	Ramachandran Plot,Titration Curve
Day 22	Physical & Chemical Properties Of Nucleic Acids,
Day 23	Physical & Chemical Properties Of Nucleic Acids,
Day 24	Physical & Chemical Properties Of Nucleic Acids,
Day 25	Forces Stabilizing Protein Structure And Shape
Day 26	Structure And Properties Of Purines & Pyrimidines
Day 27	Purification Of Proteins, Criteria Of Their Purity
Day 28	Structure And Properties Of Purines & Pyrimidines
Day 29	Practical- Nucleosides & Nucleotides
Day 30	Double Helical Model Of Dna Structure
Day 31	Globular And Fibrous Protein
Day 32	Structure And Forces Responsible For Its A,B, & Z – Dna, Denaturation
Day 33	Denaturation And Renaturation Of Proteins
Day 34	Denaturation And Annealing Of Dna
Day 35	Nomenclature And Classification Of Enzymes
Day 36	Holoenzyme, Apoenzyme,
Day 37	Structure Of Monosaccharides
Day 38	Metalloenzymes, Monomeric & Oligomeric Enzymes
Day 39	Practical- Monosaccharides
Day 40	Activation Energy And Transition State
Day 41	Enzyme Activity,
Day 42	Specific Activity, Common Features Of Active Sites,
Day 43	Practical- Carbohydrates
Day 44	Abzymes, Biocatalysts From Extreme Thermophilic And Hyperthermophilic
Day 45	Oligosaccharides

Day 46	Cofactors, Coenzyme, Prosthetic Groups
Day 47	Cofactors, Coenzyme, Prosthetic Groups
Day 48	Role Of Cofactors In Enzyme Catalysis
Day 49	Test
Day 50	Coenzymes A, Thiamine Pyrophosphate
Day 51	Polysaccharides
Day 52	Ribozymes, Enzyme Specificity: Types & Theories
Day 53	Ribozymes, Enzyme Specificity: Types & Theories
Day 54	Ribozymes, Enzyme Specificity: Types & Theories
Day 55	Homopolysaccharides
Day 56	Nad+, Nadp +, Fmn/Fad
Day 57	Hetero Polysaccharides
Day 58	Pyridoxal Phosphate
Day 59	Pyridoxal Phosphate
Day 60	Practical Of Lipids
Day 61	Mucopolysaccharides
Day 62	Nad+, Nadp +, Fmn/Fad
Day 63	Bacterial Cell Wall
Day 64	Lipoic-Acid,Biotin Vitamin B12 Tetrahydrofolate
Day 65	Lipoic-Acid,Biotin Vitamin B12 Tetrahydrofolate
Day 66	Lipoic-Acid,Biotin Vitamin B12 Tetrahydrofolate
Day 67	Glycoprotein's, Proteoglycan And Glycoprotein Difference,
Day 68	Nad+, Nadp +
Day 69	Practical Of Fattyacids
Day 70	Assignment
Day 71	Fmn/Fad
Day 72	Test
Day 73	Glycolysis : Reactions, Energetics And Regulation
Day 74	Fmn/Fad
Day 75	Fate Of Pyruvate Under Aerobic &Anaerobic Conditions. Ppp Pathway
Day 76	Fmn
Day 77	Fmn/Fad
Day 78	Fad
Day 79	Test
Day 80	Assignments
Day 81	Glycogenolysis And Glycogenesis.
Day 82	Glycogenolysis And Glycogenesis.
Day 83	Test
Day 84	Assignment
Day 85	Tca Cycle, Etc, Oxidative Phosphorylation
Day 86	Glycogenolysis And Glycogenesis.
Day 87	Beta – Oxidation Of Fatty Acids.
Day 88	Beta – Oxidation Of Fatty Acids.
Day 89	Revision
Day 90	Revision

Name Of The Assistant Professor: Dr. Priti **Class And Section: B.Sc. (Biotechnology) – Ii** **Subject: Plant Physiology**	
Day 1	General Introduction Of Syllabus
Day 2	Plant Physiology-Introduction
Day 3	Shoot Meristem
Day 4	Shoot Meristem
Day 5	Shoot Meristem
Day 6	Apical Meristem
Day 7	Apical Meristem
Day 8	Histological Organization Of Shoot And Root
Day 9	Histological Organization Of Shoot And Root
Day 10	Histological Organization Of Shoot And Root
Day 11	Root Structure And Root Apical Meristem
Day 12	Histological Organization Of Shoot And Root
Day 13	Histological Organization Of Root And Type Of Tissue
Day 14	Histological Organization Of Shoot And Root
Day 15	Practical- Separation Of Photosynthetic Pigments By Paper Chromatography.
Day 16	Simple And Complex Tissue Structure
Day 17	Complex Tissue Structure
Day 18	Secondary Growth And Growth Rings
Day 19	Secondary Growth And Growth Rings
Day 20	Practical- Separation Of Photosynthetic Pigments By Paper Chromatography.
Day 21	Leaf Anatomy
Day 22	Importance Of Water In Life
Day 23	Diffusion
Day 24	Osmosis
Day 25	Plasmolysis
Day 26	Imbibition
Day 27	Guttation
Day 28	Guttation
Day 29	Transpiration
Day 30	Transpiration Types
Day 31	Stomata Physiology
Day 32	Transpiration Theories
Day 33	Transpiration Theories
Day 34	Transpiration Theories
Day 35	Practical- Preparation Of Stained Mounts Of Anatomy Of Monocot
Day 36	Practical- Assignment Preparation Of Stained Mounts Of Anatomy
Day 37	Structure Of Stomata
Day 38	Opening And Closing
Day 39	Mechanism Of Stomata
Day 40	Practical- Demonstration Of Aerobic Respiration.
Day 41	Factors Affecting Rate Of Transpiration
Day 42	Factors Affecting Rate Of Transpiration
Day 43	Micro And Macro Nutrients
Day 44	Practical- Preparation Of Stained Mounts Of Anatomy Of Monocot
Day 45	Practical- Preparation Of Stained Mounts Of Anatomy Of Monocot
Day 46	Role And Deficiency System Of Nutrients
Day 47	Role And Deficiency System Of Nutrients

Day 48	Role And Deficiency System Of Nutrients
Day 49	Role And Deficiency System Of Nutrients
Day 50	Mechanism Of Mineral Absorption (Active, Passive)
Day 51	Mechanism Of Mineral Absorption (Active, Passive
Day 52	Mechanism Of Mineral Absorption (Active, Passive
Day 53	Translocation Of Mineral Salt In Xylem & Phloem
Day 54	Mechanism Of Translocation
Day 55	Test
Day 56	Mechanism Of Translocation
Day 57	Translocation Of Organic Solute
Day 58	Practical- Preparation Of Stained Mounts Of Anatomy Of Monocot And Dico
Day 59	Practical- Preparation Of Stained Mounts Of Anatomy Of Monocot And Dico
Day 60	Photosynthesis, Photosynthetic Pigments
Day 61	Mechanism Of Photosynthesis
Day 62	Light Reaction
Day 63	Assignment
Day 64	Dark Reaction
Day 65	Practical- Preparation Of Root Nodules From A Leguminous Plant.
Day 66	Practical- Preparation Of Root Nodules From A Leguminous Plant.
Day 67	Ps1 And Ps2
Day 68	Ps1 And Ps2
Day 69	Photooxidation Of Water
Day 70	Non-Cyclic Or Linear Electron Transport
Day 71	Cyclic Electron Transport
Day 72	Cyclic Electron Transport
Day 73	Cyclic Electron Transport
Day 74	Photophosphorylation
Day 75	Photophosphorylation
Day 76	Chemical Coupling Hypothesis
Day 77	Chemical Coupling Hypothesis
Day 78	Calvin Cycle
Day 79	Calvin Cycle
Day 80	Hatch-Slack Cycle
Day 81	Hatch-Slack Cycle
Day 82	Practical- Preparation Of Stained Mounts Of Anatomy Of Monocot And Dico
Day 83	Practical- Demonstration Of Opening & Closing Of Stomata
Day 84	Path Of Carbon In C4 Cycle
Day 85	Path Of Carbon In C4 Cycle
Day 86	Practical-Demonstration Of Guttation On Leaf Tips Of Grass And Garden
Day 87	Practical- Demonstration Of Guttation On Leaf Tips Of Grass And Garden
Day 88	Crassulacean – Acid Metabolism
Day 89	Significance Of Cam Plants
Day 90	Factor Affecting Photosynthesis

Name Of The Assistant Professor: Dr. Priti **Class And Section: B.Sc. (Biotechnology) – Iii** **Subject: Bioinformatics**	
Day 1	Introduction Of Bioinformatics
Day 2	History Of Bioinformatics
Day 3	History Of Bioinformatics
Day 4	Applications Of Bioinformatics
Day 5	Applications Of Bioinformatics
Day 6	Notion Of Homology
Day 7	Notion Of Homology
Day 8	Sequence Information Sources
Day 9	Sequence Information Sources
Day 10	Embl
Day 11	Embl
Day 12	Embl
Day 13	Genbank
Day 14	Genbank
Day 15	Sequence Rerieval System
Day 16	Sequence Rerieval System
Day 17	Sequence Rerieval System
Day 18	Entrez
Day 19	Entrez
Day 20	Unigene
Day 21	Practical:Understanding The Structure Of Each Source And Using It On The Web
Day 22	Practical:Understanding The Structure Of Each Source And Using It On The Web
Day 23	Inroduction Of Protein Information Sources
Day 24	Inroduction Of Protein Information Sources
Day 25	Pdb
Day 26	Pdb
Day 27	Swissprot
Day 28	Swissprot
Day 29	-
Day 30	Trembl
Day 31	Trembl
Day 32	Practical:Understanding The Structure Of Each Source And Using It
Day 33	Practical:Understanding The Structure Of Each Source And Using It
Day 34	Introduction Of Data Generating Techniques And Bioinformatics Problem
Day 35	Introduction Of Data Generating Techniques And Bioinformatics Problem
Day 36	Introduction Of Data Generating Techniques And Bioinformatics Problem
Day 37	Bioinformatics Problem Posed By Them
Day 38	Restriction Digestion
Day 39	Chromatograms
Day 40	Blots
Day 41	Blots
Day 42	Pcr
Day 43	Microarrays
Day 44	Mass Spectrometry
Day 45	Sequence And Phylogeny Analysis

Day 46	Sequence And Phylogeny Analysis
Day 47	Sequence And Phylogeny Analysis
Day 48	Detecting Open Reading Frames
Day 49	Detecting Open Reading Frames
Day 50	Outline Of Sequence Assembly, Mutation/Substitution
Day 51	Pairwise Alignments
Day 52	Introduction To Blast
Day 53	Practical: Using Blast On The Web, Interpreting Results
Day 54	Practical:Using Blast On The Web, Interpreting Results
Day 55	Practical: Using Blast On The Web, Interpreting Results
Day 56	Multiple Sequence Alignment
Day 57	Phylogenetic Analysis
Day 58	Phylogenetic Analysis
Day 59	Phylogenetic Analysis
Day 60	Phylogenetic Analysis
Day 61	Inroduction Of Databases
Day 62	Inroduction Of Databases
Day 63	Inroduction Of Databases
Day 64	Searching Databases
Day 65	Srs
Day 66	Entrez
Day 67	Entrez
Day 68	Inroduction Of Sequence Similarity Searches
Day 69	Inroduction Of Sequence Similarity Searches
Day 70	Inroduction Of Sequence Similarity Searches
Day 71	Inroduction Of Sequence Similarity Searches
Day 72	Blast
Day 73	Fasta
Day 74	Inroduction Of Data Submission
Day 75	Inroduction Of Data Submission
Day 76	Inroduction Of Data Submission
Day 77	Blast
Day 78	Blast
Day 79	Assignment
Day 80	Genome Annotation
Day 81	Genome Annotation
Day 82	Test
Day 83	Pattern And Repeat Finding
Day 84	Pattern
Day 85	Repeat Finding
Day 86	Gene Identification Tools
Day 87	Gene Identification Tools
Day 88	Gene Identification Tools
Day 89	Revision
Day 90	Revision

Name Of The Professor:Dr Jyoti Kapil **Class And Section:B.Sc Ii Yr** **Subject:Medical Microbiology Bt 301**	
Day 1	Syllabus Discussion
Day 2	Introuction
Day 3	Microflora Of Human Body
Day 4	Nosocomial Infections
Day 5	Nosocomial Infections
Day 6	Normal Microflora Of Human Body Introduction
Day 7	Septicemia
Day 8	Carriers, Septic Shock,
Day 9	Opportunistic Flora
Day 10	Opportunistic Flora
Day 11	Micobiology And Diseases
Day 12	Pathogenicity
Day 13	Preventive Measures And Chemotherapy Caused By Gram Positive Bacteria
Day 14	C. Perferinges
Day 15	M. Leprae
Day 16	M. Tuberculosis Detail Study
Day 17	C. Botulinum
Day 18	Doubts And Discussion
Day 19	S. Aureus, -Morphology, Pathogenesis, Symptoms
Day 20	S.Pyogenes -Morphology, Pathogenesis, Symptoms
Day 21	Revision
Day 22	C. Diphtheriae
Day 23	Isolation Of Bacteria & Their Biochemical Characterization-Practical
Day 24	Bacteria Character Study
Day 25	B. Anthracis Detail Study
Day 26	Symptoms, Laboratory Diagnosis, Preventive Measures And Chemotherapy
Day 27	Doubts And Iscussion
Day 28	V. Cholerae,
Day 29	M. Pneumoniae
Day 30	Growth Curve Of Bacteria -Practical
Day 31	Growth Curve Of Bacteria -Practical
Day 32	Rickettsiaceaes
Day 33	Chlamydiae
Day 34	B. Abortus
Day 35	N. Gonorrhoea
Day 36	Test
Day 37	S. Typhi,
Day 38	H. Inflenzae,
Day 39	E.Coli
Day 40	T. Pallidum
Day 41	Antibiotic Sensitivity Of Microbes-Practical
Day 42	C. Tetani- Detail Study
Day 43	N. Meningitidis
Day 44	Y. Pestis
Day 45	Revision
Day 46	S. Dysenteriae
Day 47	Use Of Antibiotic Disc-Practical

Day 48	Zone Of Inhibition Study
Day 49	Diseases Caused By Viruses -Rhabdoviruses
Day 50	Retro Viruses
Day 51	Hiv
Day 52	Aids
Day 53	Paramyxoviruses,
Day 54	Orthomyxoviruses
Day 55	Herpes Virus,
Day 56	Hepatitis Viruse
Day 57	Papova Virus
Day 58	Picornavirus
Day 59	Reoviruse
Day 60	Quality Of Water (Cod)
Day 61	Test
Day 62	Dermatophytoses
Day 63	Trichophyton,
Day 64	Subcutaneous Infection (Sporothrix)
Day 65	Quality Of Water (Bod)
Day 66	Microsporun
Day 67	Epidermophyton
Day 68	Blood-Borne Infections -Leishmaniasis
Day 69	Test
Day 70	Gastrointestinal Infections- Amoebiasis
Day 71	-Malaria
Day 72	-Malaria
Day 73	Giardiasis- Gastrointestinal Infections
Day 74	Systemic Infection Histoplasma
Day 75	Coccidoides
Day 76	Doubts And Discussion
Day 77	Toxins
Day 78	Aspergillosis
Day 79	Cryptococcus
Day 80	Opportunistic Fungal Infections -Candidiasis,
Day 81	Presentation
Day 82	Subcutaneous Infection
Day 83	Sporothrix
Day 84	Cryptococcus
Day 85	Virulence Factors
Day 86	Revision
Day 87	Presentation
Day 88	Revision
Day 89	Test
Day 90	Revision

Name Of The Professor: Dr Jyoti Kapil **Class And Section: B.Sc.Iii** **Subject: Immunology Bt 503**	
Day 1	Immune Response -Introduction,
Day 2	Components Of Mammalian Immune System,
Day 3	Immune System
Day 4	Humoral Immune Responses
Day 5	Types Of Immunitys
Day 6	Cmi Immunity
Day 7	Cellular Immune Responses
Day 8	Types Of Antibody
Day 9	Molecular Structure Of Immunoglobulins
Day 10	T Cells Types
Day 11	Idiotype,Allelotype,Isotype
Day 12	Organs Of Immune System
Day 13	Antibody Types
Day 14	Class Switching
Day 15	Somatic Recombination
Day 16	Assembly Of T-Cell Receptor Genes
Day 17	Function Oft-Lymphocytes
Day 18	Differential Leucocytes Count-Practical
Day 19	T-Cell Receptors
Day 20	Haematopoiesis
Day 21	B Cells Development
Day 22	B Cells Receptors
Day 23	.Haemagglutination Assay -Practical
Day 24	Antibody Affinity Maturation
Day 25	Antiboy Functions
Day 26	Cytotoxic T-Cell, Helper T- Cell, Suppressor T-Cells
Day 27	Immunoglobulin Formation
Day 28	Regulation Of Immunoglobulin Gene Expression
Day 29	Immunoglobulin Gene Expression
Day 30	Clonal Selection Theory
Day 31	Antigenic Determinant Of Immunoglobulin,
Day 32	Allotypes & Idiotypes
Day 33	Genetic Basis Of Antibody Diversity
Day 34	Hypotheses (Germ Line & Somatic Mutation),
Day 35	Allelic Exclusion
Day 36	Double Immunodiffusion Test Using Specific Antibody And Antigen
Day 37	Antibody Diversity
Day 38	Heavy & Light Chain Gene Transcription
Day 39	Genome Rearrangements During B-Lymphocyte Differentiation
Day 40	Immunologic Memory
Day 41	Immunodefeciency Disease
Day 42	Immunodefeciency Disease
Day 43	Test
Day 44	Antigen Nature And Properties
Day 45	Major Histocompatibility Complexes1
Day 46	Major Histocompatibility Complexes 2
Day 47	Practical -Separation Of Serum From Blood
Day 48	Class I & Class Ii Mhc Antigens
Day 49	Immunity To Different Organisms,

Day 50	Immunity To Infection –
Day 51	Pathogen Defense Strategies
Day 52	Antigen Processing-1
Day 53	Antigen Processing-2
Day 54	Total Leucocytes-Practical
Day 55	Avoidance Of Recognition
Day 56	Auto- Immune Diseases
Day 57	Auto- Immune Diseases
Day 58	Test
Day 59	Elisa-Practical
Day 60	Immunodeficiency- Aids
Day 61	Complement Pathways
Day 62	Complement Pathways
Day 63	Vaccines & Vaccination
Day 64	Cytokines
Day 65	Cytokines
Day 66	Differential Leucocytes Count-Practical
Day 67	Viral Vaccines
Day 68	Bacterial Vaccines,
Day 69	Recombinant Vaccines
Day 70	Peptide Vaccines
Day 71	Vaccine
Day 72	Total Rbc Count Practical
Day 73	Dna Vaccines
Day 74	Passive & Active Immunization. Combinant Vaccines
Day 75	Introduction To Immunodiagnostics –Elisa
Day 76	Ria
Day 77	Revision
Day 78	Adjuvant
Day 79	Test
Day 80	Monoclonal Antibody Production
Day 81	Mab Production
Day 82	Agglutination Rxns
Day 83	Aggulitination -Practical
Day 84	Doubts And Discussion
Day 85	Innate Immunity -Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Practical-Revision
Day 90	Revision

Name Of The Professor: Dr. Mamta Singh **Class And Section: B.Sc(Med) Sem-I(Theory And Practical)** **Subject: Zoology Paper 1.1(Life And Diversity From Protozoa To Helminthes)**	
Day 1	Introduction Of Syllabus And Books
Day 2	Unit I -Phylum-Protozoa -General Characters And Classification Up To Order
Day 3	Topic Continued
Day 4	Biodiversity And Economic Importance And Type Study Of *Plasmodium Vivax*
Day 5	Sexual Cycle Of Plasmodium In Mosquito
Day 6	Parasitic Protozoans: Life History, Mode Of Infection And Pathogenicity
Day 7	Topic Continued
Day 8	Life History, Mode Of Infection And Pathogenicity Of *Leishmania* And *Giardia*
Day 9	Test/Assignment
Day 10	Unit Ii-Phylum- Porifera: General Characters And Classification Up To Order
Day 11	Biodiversity And Economic Importance And Type Study –Sycon :Systematic
Day 12	Histology Of Sycon, Skeleton Of Sycon
Day 13	Physiology Of Sycon:Movement,Nutrition,Respiration,Excretion,Nervous
Day 14	Reproduction,Development Or Embryogeny,Metamorphosis And Regeration
Day 15	Reproduction,Development Or Embryogeny,Metamorphosis And Regeration
Day 16	Porifera In General:Canal System In Sponges: Asconoid Canal Sytem,Syconoid
Day 17	Skeleton In Sponges
Day 18	Porifera In General:Canal System In Sponges: Asconoid Canal Sytem,Syconoid
Day 19	Test/Assignment
Day 20	Unit-Iii-Phylum – Coelentrata : General Characters And Classification
Day 21	Porifera In General:Canal System In Sponges: Asconoid Canal Sytem,Syconoid
Day 22	Biodiversity, Economic Importance And Type Study –Obelia: Systematic
Day 23	Polymorphism In Obelia-Hydranth Or Polyp
Day 24	Blastostyle Or Gonozooid And Medusae Or Gonophores
Day 25	Physiology Of Obelia Colony:Reproduction And Life History Of Obelia
Day 26	Alternation Of Generation Or Metagenesis,Difference Between Polyp
Day 27	Homology Between Polyp And Medusa
Day 28	Coelenterata In General: Polymorphism In Coelenterate
Day 29	Coral Reefs And Its Importance
Day 30	Test/Assignment
Day 31	Unit Iv-Phylum - Helminths: General Characters And Classification
Day 32	Porifera In General:Canal System In Sponges: Asconoid Canal Sytem,Syconoid
Day 33	Biodiversity, Habitat ,Habits, Morphology,Body Wall,Parenchyma
Day 34	Digestive System,Respiratory And Excretory System
Day 35	Nervous System,Sense Organ And Male Reproductive System
Day 36	Female Reproductive System And Development And Life History
Day 37	Nature Of Life History,Pathogenecity Of *Faciola* And Parasitic Adaptations
Day 38	Test/Assignment
Day 39	Aschelminthes: Characters, Classification And Examples
Day 40	Biodiversity, Economic Importance
Day 41	Helminths Parasites: Brief Account Of Life History, Mode Of Infection
Day 42	Of Life History, Mode Of Infection And Pathogenesity Of Trichinella
Day 43	Revision
Day 44	Revision
Day 45	Test/Assignment
Day 46	Practical:Group1(A) Classification Up To Orders With Ecological Note
Day 47	Opalina, Verticella, Balantidium, Nyctotherus, Radiolarian
Day 48	Group2(A) Classification Up To Orders With Ecological Note And Economic

Day 49	Opalina, Verticella, Balantidium, Nyctotherus, Radiolarian
Day 50	Trypanosoma,Noctiluca, Eimeria, Paramecium (Binary Fission And Conjugation)
Day 51	Opalina, Verticella, Balantidium, Nyctotherus, Radiolarian
Day 52	Group1: Porifera Specimens: Sycon. Grantia, Euplectella, Hyalonema
Day 53	Coelenterata Specimens: Porpita, Valella, Physalia, Aurelia
Day 54	Porifera Specimens: Sycon. Grantia, Euplectella, Hyalonema, Spongilla,
Day 55	Coelenterata. Specimens: Porpita, Valella, Physalia, Aurelia, Rhyzostoma
Day 56	Group3: Porifera Specimens: Sycon. Grantia, Euplectella, Hyalonema, Spongilla
Day 57	Coelenterata Specimens: Porpita, Valella, Physalia, Aurelia, Rhyzostoma
Day 58	Group1:Coelenterata. Specimens: Millipora, Alcyonium, Tubipora, Zoanthus
Day 59	Permanent Prepared Slides: Hydra (W.M.), Hydra With Buds
Day 60	Tubipora, Zoanthus, Madrepora, Favia, Fungia, And Astrea,
Day 61	Permanent Prepared Slides: Hydra (W.M.), Hydra With Buds.
Day 62	Group3:Coelenterata. Specimens: Millipora, Alcyonium, Tubipora, Zoanthus.
Day 63	Permanent Prepared Slides: Hydra (W.M.), Hydra With Buds.
Day 64	Group1:Platyhelminthes Specimens: Dugesia, Fasciola, Taenia, Echinococus
Day 65	Permannt Prepared Slides: Miracidium, Sporocyst, Redia, Cercaria,
Day 66	Group2:Platyhelminthes Specimens: Dugesia, Fasciola, Taenia, Echinococus
Day 67	Permannt Prepared Slides: Miracidium, Sporocyst, Redia, Cercaria.
Day 68	Group3:Platyhelminthes Specimens: Dugesia, Fasciola, Taenia, Echinococus
Day 69	Permannt Prepared Slides: Miracidium, Sporocyst, Redia, Cercaria.
Day 70	Group1:Aschelminthes :Ascaris (Male & Female), Trichinella, Ancylostoma.
Day 71	Permannt Prepared Slides: Miracidium, Sporocyst, Redia, Cercaria.
Day 72	Group2:Aschelminthes :Ascaris (Male & Female), Trichinella.
Day 73	Dna: Types, Structure And Its Model Preparation
Day 74	Group3.:Aschelminthes :Ascaris (Male & Female), Trichinella, Ancylostoma.
Day 75	Permannt Prepared Slides: Miracidium, Sporocyst, Redia, Cercaria.
Day 76	Permanent Stained Preparations: 3. T.S. Fasciola (Different Regions).
Day 77	Permanent Stained Whole Mounts Of Hydra, Obelia, Sertularia.
Day 78	Group2:Continuation Of Study Of Parmanent Stained Preparations
Day 79	Permanent Stained Whole Mounts Of Hydra, Obelia, Sertularia
Day 80	T.S. Ascaris (Male And Female).
Day 81	Preparation Of Permanent Stained Whole Mounts Of Hydra, Obelia, Sertularia.
Day 82	Group1:(C) Preparation Of The Following Slides
Day 83	Gemmules And Spicules Of Sycon
Day 84	Temporary Preparation Of Volvox, Paramecium
Day 85	Gemmules And Spicules Of Sycon
Day 86	Temporary Preparation Of Volvox, Paramecium
Day 87	Gemmules And Spicules Of Sycon
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor:Dr. Mamta Singh **Class And Section: B.Sc(Med) Sem-I (Theory And Practical)** **Subject: Zoology Paper 1.2(Cell Biology)**	
Day 1	Introduction Of Syllabus And Books
Day 2	Unit-I Ultrastructure Of Different Cell Organelles Of Animal Cell.
Day 3	Plasma Membrane: Fluid Mosaic Model, Various Modes Of Transport
Day 4	Plasma Membrane: Fluid Mosaic Model, Various Modes Of Transport
Day 5	Plasma Membrane: Fluid Mosaic Model, Various Modes Of Transport
Day 6	Mechanism Of Active And Passive Transport, Endocytosis And Exocytosis
Day 7	Mechanism Of Active And Passive Transport, Endocytosis And Exocytosis
Day 8	Endoplasmic Reticulum (Er): Types, Role Of Er In Protein Synthesis
Day 9	Endoplasmic Reticulum (Er): Types, Role Of Er In Protein Synthesis
Day 10	Golgi Complex: Structure, Associated Enzymes
Day 11	Golgi Complex: Structure, Associated Enzymes
Day 12	Role Of Golgi-Complex In Animal Cell.
Day 13	Role Of Golgi-Complex In Animal Cell.
Day 14	Revision
Day 15	Test/ Assignment
Day 16	Ribosomes: Types, Biogenesis And Role In Protein Synthesis.
Day 17	Ribosomes: Types, Biogenesis And Role In Protein Synthesis.
Day 18	Lysosomes: Structure, Enzyme And Their Role
Day 19	Lysosomes: Structure, Enzyme And Their Role
Day 20	Polymorphism
Day 21	Polymorphism
Day 22	Mitochondria: Mitochondrial Dna; As Semi Autonomous Body
Day 23	Mitochondria: Mitochondrial Dna; As Semi Autonomous Body
Day 24	Biogenesis
Day 25	Biogenesis
Day 26	Mitochondrial Enzymes (Only Names), Role Of Mitochondria
Day 27	Mitochondrial Enzymes (Only Names), Role Of Mitochondria
Day 28	Cytoskeleton: Microtubules
Day 29	Cytoskeleton: Microtubules
Day 30	Microfilaments
Day 31	Microfilaments
Day 32	Centriole And Basal Body
Day 33	Centriole And Basal Body
Day 34	Cilia And Flagella
Day 35	Cilia And Flagella
Day 36	Revision
Day 37	Test
Day 38	Ultrastructure And Functions Of Nucleus: Nuclear· Membrane, Nuclear Lamina,
Day 39	Ultrastructure And Functions Of Nucleus: Nuclear· Membrane, Nuclear Lamina,
Day 40	Fine Structure Of Chromosomes, Nucleosome Concept And Role Of Histones,
Day 41	Fine Structure Of Chromosomes, Nucleosome Concept And Role Of Histones,
Day 42	Euchromatin And Heterochromatin
Day 43	Euchromatin And Heterochromatin
Day 44	Lampbrush Chromosomes And Polytene Chromosomes
Day 45	Lampbrush Chromosomes And Polytene Chromosomes
Day 46	Revision
Day 47	Test

Day 48	Cell Reproduction: Mitosis
Day 49	Cell Reproduction: Mitosis
Day 50	Meiosis I
Day 51	Meiosis I
Day 52	Meiosis Ii
Day 53	Meiosis Ii
Day 54	Cancer Biology: Characteristics, Causes And Types Of Cancer
Day 55	Cancer Biology: Characteristics, Causes And Types Of Cancer
Day 56	Danger Signals Of Cancer, Therapy.
Day 57	Danger Signals Of Cancer, Therapy.
Day 58	P-53 Gene And Tumor- Suppressor Genes
Day 59	P-53 Gene And Tumor- Suppressor Genes
Day 60	Oncogenes And Protooncogenes, Prophylaxis
Day 61	Oncogenes And Protooncogenes, Prophylaxis
Day 62	An Elementary Idea Of Cellular Basis Of Immunity: Antigen, Antibody,
Day 63	An Elementary Idea Of Cellular Basis Of Immunity: Antigen, Antibody,
Day 64	Antigen-Antibody Interaction, Types Of Immunity
Day 65	Antigen-Antibody Interaction, Types Of Immunity
Day 66	Cells Of Immune System,
Day 67	Cells Of Immune System,
Day 68	Types Of Immune System
Day 69	Types Of Immune System
Day 70	Types Of Immune System
Day 71	Revision
Day 72	Test/Assignment
Day 73	Cell Division: Prepared Slides Of Stages Of Mitosis And Meiosis.
Day 74	Continuation
Day 75	Cell Division: Prepared Slides Of Stages Of Mitosis And Meiosis.
Day 76	Continuation
Day 77	Practical: (Group3) - 1. Cell Division: Prepared Slides Of Stages Of Mitosis
Day 78	Continuation
Day 79	(Group1)2. Temporary Squash Preparations Of Onion Root Tip / Grasshopper
Day 80	Continuation
Day 81	Grasshopper Testis For The Study Of Mitosis Using Acetocarmine Stain.
Day 82	Plasma Membrane: Fluid Mosaic Model, Various Modes Of Transport
Day 83	The Study Of Mitosis Using Acetocarmine Stain.
Day 84	Continuation
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Dr. Reeti Panchal **Class: B.Sc. Med 3rd Semester** **Subject: Mammalian Physiology Theory & Practical**	
Day 1	Introduction To Syllabus.
Day 2	Introduction Of Biomolecules
Day 3	Structure And Classification Of Carbohydrates
Day 4	Function Of Carbohydrates
Day 5	Structure And Classification Of Lipid
Day 6	Functions Of Lipids
Day 7	Structure Of Proteins
Day 8	Functions Of Proteins
Day 9	Physical And Chemical Properties Of Proteins
Day 10	Classification Of Proteins
Day 11	Fibrous And Globular Proteins
Day 12	Nomenclature Of Enzyme
Day 13	Mechanism Of Action Of Enzyme
Day 14	Isozyme
Day 15	Zymogen And Ribozyme
Day 16	Revision
Day 17	Assignment
Day 18	Test
Day 19	Buffers
Day 20	Type Of Nutrition And Feeding
Day 21	Nutritional Value Of Carbohydrates
Day 22	Nutritional Value Of Fat
Day 23	Nutritional Value Of Lipids
Day 24	Nutritional Value Of Minerals
Day 25	Water Soluble Vitamins
Day 26	Revision.
Day 27	Test
Day 28	Fat Soluble Vitamins
Day 29	Absorption And Assimilation Of Nutrients
Day 30	Plasma Membrane
Day 31	Transport Across Plasma Membrane
Day 32	Passive Transport
Day 33	Osmosis
Day 34	Diffusion
Day 35	Facilitated Diffusion
Day 36	Assignment
Day 37	Ion Channel
Day 38	Ion Channel
Day 39	Gated Channel
Day 40	Gated Channel
Day 41	Active Transport
Day 42	Active Transport
Day 43	Active Transport
Day 44	Revision.
Day 45	Test
Day 46	Endocytosis

Day 47	Exocytosis
Day 48	Exocytosis
Day 49	Test
Day 50	Revision
Day 51	Revision
Day 52	Test Of Simple Sugar
Day 53	Test Of Simple Sugar
Day 54	Test Of Simple Sugar
Day 55	Test Of Disaccharide
Day 56	Test Of Disaccharide
Day 57	Test Of Disaccharide
Day 58	Test Of Polysaccharide
Day 59	Test Of Polysaccharide
Day 60	Test Of Polysaccharide
Day 61	Study Of Human Salivary Amylase Activity: Effect Of Temperature
Day 62	Study Of Human Salivary Amylase Activity: Effect Of Temperature
Day 63	Study Of Human Salivary Amylase Activity: Effect Of Temperature
Day 64	Test
Day 65	Revision
Day 66	Study Of Human Salivary Amylase Activity: Effect Of Ph
Day 67	Study Of Human Salivary Amylase Activity: Effect Of Ph
Day 68	Study Of Human Salivary Amylase Activity: Effect Of Ph
Day 69	Test
Day 70	Revision
Day 71	Revision
Day 72	Type Of Muscles
Day 73	Type Of Muscles
Day 74	Ultra-Structure Of Skeletal Muscles
Day 75	Ultra-Structure Of Skeletal Muscles
Day 76	Oxygen Debt
Day 77	Mechanism Of Action Of Muscles
Day 78	Mechanism Of Action Of Muscles
Day 79	Biochemical And Physical Events During Muscles Contraction
Day 80	Biochemical And Physical Events During Muscles Contraction
Day 81	Biochemical And Physical Events During Muscles Contraction
Day 82	Cori Cycle
Day 83	Structure And Type Of Bones
Day 84	Structure And Type Of Bones
Day 85	Effect Of Ageing On Skeletal System
Day 86	Effect Of Ageing On Skeletal System
Day 87	Bone Disorders
Day 88	Bone Disorders
Day 89	Revision.
Day 90	Test

Name Of The Professor: Dr Reeti Panchal **Class And Section: Bsc. Medical 3rd Semester** **Subject: Life And Diversity Of Chordate-I Theory & Practical**	
Day 1	Introduction To Syllabus.
Day 2	Principal Of Classification
Day 3	Origin Of Evolutionary Tree
Day 4	Role Of Amnion In Evolution
Day 5	Classification Of Chordates
Day 6	Origin And Evolution Of Chordate
Day 7	Salient Feature Of Chordate
Day 8	Systematic Position Of Protochordate
Day 9	Distribution And Ecology Of Protochordate
Day 10	Morphology And Affinities Of Protochordate
Day 11	Circulatory System Of Herdmania
Day 12	Respiratory System Of Herdmania
Day 13	Nervous System Of Herdmania
Day 14	Excretory And Sense Organ System Of Herdmania
Day 15	Digestive And Reproductive System Of Herdmania
Day 16	Circulatory System Of Amphioxus
Day 17	Respiratory System Of Amphioxus
Day 18	Assignment
Day 19	Test
Day 20	Nervous System Of Amphioxus
Day 21	Excretory And Sense Organ System Of Amphioxus
Day 22	Digestive And Reproductive System Of Amphioxus
Day 23	General Characters And Classification Of Cyclostomes
Day 24	Biodiversity, Economic Importance And Conservation Of Cyclostomes
Day 25	Ecological Significance Of Cyclostome
Day 26	Circulatory System Of Petromyzon
Day 27	Respiratory System Of Petromyzon
Day 28	Nervous System Of Petromyzon
Day 29	Excretory And Sense Organ System Of Petromyzon
Day 30	Digestive And Reproductive System Of Petromyzon
Day 31	Assignment
Day 32	Test
Day 33	Study Of Skeleton Of Labeo
Day 34	Study Of Skeleton Of Labeo
Day 35	Study Of Skeleton Of Labeo
Day 36	Study Of Skeleton Of Labeo
Day 37	Specimen Of Protochordata
Day 38	Specimen Of Protochordata
Day 39	Specimen Of Cyclostomata
Day 40	Specimen Of Cyclostomata
Day 41	Specimen Of Chondrichthyes
Day 42	Specimen Of Chondrichthyes
Day 43	Specimen Of Osteichthyes
Day 44	Revision.
Day 45	Test
Day 46	Specimen Of Osteichthyes
Day 47	Specimen Of Osteichthyes

Day 48	Specimen Of Osteichthyes
Day 49	Revision
Day 50	Test
Day 51	Make Permanent Slide Of Cycloid Scale Of Labeo
Day 52	Make Permanent Slide Of Cycloid Scale Of Labeo
Day 53	Make Permanent Slide Of Cycloid Scale Of Labeo
Day 54	Oikopleura Slide
Day 55	Oikopleura Slide
Day 56	Oikopleura Slide
Day 57	Study Of Slides Of Scales
Day 58	Study Of Slides Of Scales
Day 59	Study Of Slides Of Scales
Day 60	Study Of Slides Of Amphioxus
Day 61	Study Of Slides Of Amphioxus
Day 62	Study Of Slides Of Amphioxus
Day 63	Assignment
Day 64	Revision
Day 65	Revision
Day 66	Test
Day 67	General Classification Of Pisces
Day 68	General Classification Of Pisces
Day 69	Special Characters Of Fishes
Day 70	Special Characters Of Fishes
Day 71	Scale And Fins In Fishes
Day 72	Scale And Fins In Fishes
Day 73	Parental Care In Fishes
Day 74	Parental Care In Fishes
Day 75	Fish Migration
Day 76	Fish Migration
Day 77	Economic Importance Of Fishes
Day 78	Circulatory System Of *Labeo*
Day 79	Circulatory System Of *Labeo*
Day 80	Respiratory System Of *Labeo*
Day 81	Respiratory System Of *Labeo*
Day 82	Excretory System In *Labeo*
Day 83	Excretory System In *Labeo*
Day 84	Nervous System In *Labeo*
Day 85	Nervous System In *Labeo*
Day 86	Digestive And Reproductive System In *Labeo*
Day 87	Digestive And Reproductive System In *Labeo*
Day 88	Revision
Day 89	Revision
Day 90	Test

Name Of The Professor: Dr Jyoti Kapil, Dr. Priti **Class And Section: B.Sc.Biotech 1st Sem** **Subject: Biochemistry**	
Day 1	Structure Amino Acids
Day 2	Introduction Of Lipids, Classification
Day 3	Amino Acid Structure
Day 4	Structures, Nomenclature
Day 5	Properties Of Fatty Acids
Day 6	Essential Fatty Acids
Day 7	Types Of Proteins
Day 8	Phospholipids Structure
Day 9	Primary Structure
Day 10	Properties Of Different Types Of Phospholipids
Day 11	Sphingomyelins, Glycolipids, Cerebrosides
Day 12	Gangliosides
Day 13	Protein Structure -2,3 ,4
Day 14	Prostaglandins, Cholesterol – Its Structure And Biological Properties
Day 15	Protein Classification
Day 16	Prostaglandins, Cholesterol – Its Structure And Biological Properties,
Day 17	Prostaglandins, Cholesterol – Its Structure And Biological Properties,
Day 18	Utilization Of Cholesterol
Day 19	Different Level Of Structural Organization Of Proteins
Day 20	Physical & Chemical Properties Of Nucleic Acids,
Day 21	Ramachandran Plot,Titration Curve
Day 22	Physical & Chemical Properties Of Nucleic Acids,
Day 23	Physical & Chemical Properties Of Nucleic Acids,
Day 24	Physical & Chemical Properties Of Nucleic Acids,
Day 25	Forces Stabilizing Protein Structure And Shape
Day 26	Structure And Properties Of Purines & Pyrimidines
Day 27	Purification Of Proteins, Criteria Of Their Purity
Day 28	Structure And Properties Of Purines & Pyrimidines
Day 29	Nucleosides & Nucleotides
Day 30	Double Helical Model Of Dna Structure
Day 31	Globular And Fibrous Protein
Day 32	Structure And Forces Responsible For Its A,B, & Z – Dna
Day 33	Denaturation And Renaturation Of Proteins
Day 34	Denaturation And Annealing Of Dna
Day 35	Nomenclature And Classification Of Enzymes
Day 36	Holoenzyme, Apoenzyme,
Day 37	Structure Of Monosaccharides
Day 38	Metalloenzymes, Monomeric & Oligomeric Enzymes
Day 39	Properties Of Monosaccharides
Day 40	Activation Energy And Transition State
Day 41	Enzyme Activity,
Day 42	Specific Activity, Common Features Of Active Sites
Day 43	Oligosaccharides
Day 44	Abzymes, Biocatalysts From Extreme Thermophilic
Day 45	Oligosaccharides
Day 46	Cofactors, Coenzyme, Prosthetic Groups
Day 47	Cofactors, Coenzyme, Prosthetic Groups

Day 48	Role Of Cofactors In Enzyme Catalysis
Day 49	Test
Day 50	Coenzymes A, Thiamine Pyrophosphate
Day 51	Polysaccharides
Day 52	Ribozymes, Enzyme Specificity: Types & Theories
Day 53	Ribozymes, Enzyme Specificity: Types & Theories
Day 54	Ribozymes, Enzyme Specificity: Types & Theories
Day 55	Homopolysaccharides
Day 56	Nad+, Nadp +, Fmn/Fad
Day 57	Hetero Polysaccharides
Day 58	Pyridoxal Phosphate
Day 59	Pyridoxal Phosphate
Day 60	Pyridoxal Phosphate
Day 61	Mucopolysaccharides
Day 62	Nad+, Nadp +, Fmn/Fad
Day 63	Bacterial Cell Wall
Day 64	Lipoic-Acid,Biotin Vitamin B12 Tetrahydrofolate
Day 65	Lipoic-Acid,Biotin Vitamin B12 Tetrahydrofolate
Day 66	Lipoic-Acid,Biotin Vitamin B12 Tetrahydrofolate
Day 67	Glycoprotein's, Proteoglycan And Glycoprotein Difference,
Day 68	Nad+, Nadp +, Fmn/Fad
Day 69	Nad+, Nadp +, Fmn/Fad
Day 70	Nad+, Nadp +, Fmn/Fad
Day 71	Nad+, Nadp +, Fmn/Fad
Day 72	Nad+, Nadp +, Fmn/Fad
Day 73	Glycolysis : Reactions, Energetics And Regulation
Day 74	Fmn/Fad
Day 75	Fate Of Pyruvate Under Aerobic &Anaerobic Conditions. Ppp Pathway
Day 76	Fmn/Fad
Day 77	Fmn/Fad
Day 78	Fmn/Fad
Day 79	Test
Day 80	Assignments
Day 81	Glycogenolysis And Glycogenesis.
Day 82	Glycogenolysis And Glycogenesis.
Day 83	Glycogenolysis And Glycogenesis.
Day 84	Glycogenolysis And Glycogenesis.
Day 85	Tca Cycle, Etc, Oxidative Phosphorylation
Day 86	Glycogenolysis And Glycogenesis.
Day 87	Beta – Oxidation Of Fatty Acids.
Day 88	Beta – Oxidation Of Fatty Acids.
Day 89	Beta – Oxidation Of Fatty Acids.
Day 90	Beta – Oxidation Of Fatty Acids.

Name Of The Professor:Ms. Pinki Rani Ms. Reeta Kumari
Class And Section: B.Sc. (Non Med.) Sem.- 1st
Subject: Mechanics &Electricity And Magnetism
Subject Code: Phy101, Phy102

Day 1	Mechanics Of Single Particle
Day 2	Conservation Theorems Of A Particle
Day 3	Mechanics Of System Of Particles
Day 4	Conservation Theorems For System Of Particles
Day 5	Energy Of System, Kinetic Energy Of The System
Day 6	Centre Of Mass Of A System Of Two Particles
Day 7	Isolated System, Velocity Of Centre Of Mass Of In An Isolated System
Day 8	Doubt Class
Day 9	Force Of Constraints
Day 10	Revision
Day 11	Class Test
Day 12	Degree Of Freedom,
Day 13	Doubt Class Of Unit 1
Day 14	Introduction Of Unit 2
Day 15	Generalized Coordinates, Notation For Generalized Coordinates
Day 16	Displacement, Generalized Velocity
Day 17	Generalised Momentum, Generalised Force
Day 18	Numerical Problems
Day 19	Advantages Of Generalised Coordinates
Day 20	D' Alembert's Principle
Day 21	Lagrange's Equation From D' Alembert Principle
Day 22	Hamilton's Principal
Day 23	Derivation Of Lagrange Equation From Hamilton Principle
Day 24	Doubt Class
Day 25	Derivation Of Hamilton Principle From Newton's Equation
Day 26	Class Test
Day 27	Time Period Of A Linear Oscillator Using Lagrange Equation
Day 28	Lagrange Equation For Simple Pendulum And Atwood Machine
Day 29	Doubt Class Of Unit 2
Day 30	Intro Of Unit 3
Day 31	Rigid Body, Angular Velocity, Angular Acceleration
Day 32	Rotation With Constant Angular Acceleration, Work And Power In Rotational
Day 33	Torque And Angular Acceleration, Angular Momentum
Day 34	Moment Of Inertia, Kinetic Energy Of Rotation
Day 35	Revision
Day 36	Radius Of Gyration, Physical Significance Of Moment Of Inertia
Day 37	General Theorem Of Moment Of Inertia
Day 38	Moment Of Inertia Of A Thin Rod And A Rectangular Lamina
Day 39	Class Test
Day 40	Moment Of Inertia Of A Solid Uniform Bar And Spherical Shell
Day 41	Moment Of Inertia Of A Solid Sphere And Hollow Sphere
Day 42	Acceleration Of A Body Rolling Down On An Inclined Plane
Day 43	Revision
Day 44	Doubt Class
Day 45	Revision

Day 46	Orientation Of The Students
Day 47	Introduction About Syllabus
Day 48	Scalars And Vectors,Dot And Cross Product
Day 49	Tripple Vector Product
Day 50	Tripple Vector Product
Day 51	Scalars And Vectors Fields, Differentiation Of Vectors
Day 52	Integration Of Vector
Day 53	Gradient Of A Scalar And Its Physical Significance
Day 54	Gauss's Divergence Theorem And Stokes Theorem
Day 55	Derivation Of Electric Field As Potential Gradient
Day 56	Laplace And Poisson Equations
Day 57	Electric Flux,Gauss's Law
Day 58	Application Of Gauss's Law
Day 59	Assignment
Day 60	Test
Day 61	Mechanical Force Of Charged Surface,Energy Per Unit Volume
Day 62	Megnetic Induction,Magnetic Flux,Solenoidal Nature Of Vector Field
Day 63	Properties Of Magnetic Field
Day 64	Electronic Theory Of Diamagnetic.
Day 65	Electronic Theory Of Paramagnetic.
Day 66	Test
Day 67	Domain Theory Of Ferromagnetism
Day 68	Revision
Day 69	Numerical Practice
Day 70	Test
Day 71	Hysteresis Loop
Day 72	Hysrtresis Loss And Importance Of Hystresis Curve
Day 73	Assignment
Day 74	Maxwell Eqations
Day 75	Derivation Of Maxwell's Equation
Day 76	Test
Day 77	Displacement Current
Day 78	Presentation On Electronic Theory Of Diamagnetic Paramagnetic
Day 79	Revision
Day 80	Vectors And Scalar Potentials
Day 81	Boundary Conditions At Interface B/W Two Media
Day 82	Boundary Conditions At Interface B/W Two Media
Day 83	Test
Day 84	Presentation On Boundary Condition
Day 85	Propagation Of Electromagnetic Wave
Day 86	Presentation On Maxwell's Equation
Day 87	Revision
Day 88	Numerical Practice
Day 89	Poynting Vector
Day 90	Pointing Theorem

Name Of The Professor: Ms.Kajal Bhati, Ms Reeta Kumari **Class And Section:-B.Sc. (Nonmed.) Sem.- 3rd** **Subject: Computer Programming And Thermodynamics, Optics-I** **Papercode-Phy-301, Phy-302**	
Day1	Computer Organization
Day2	Binary Representation
Day3	Algorithm Development
Day4	Flow Chart And Their Representation
Day 5	Fortran Preliminaries
Day6	Numericalproblem
Day7	Integers And Floating Point
Day8	Doubtclass
Day9	Executable And Non Executable Statement
Day10	Revision
Day11	Classtest
Day12	Inputs And Output Statement
Day13	Doubtclassofunit1
Day14	Introductionofunit2- Thermodynamics I
Day15	Second Law Of Thermodynamics
Day16	Carnot Theorem
Day17	Absolute Zero
Day18	Numericalproblems
Day19	Entropy
Day20	Experimentalverifications
Day21	Joule Thomsan Experiment
Day22	Liquefaction Of Gas
Day23	Air Pollution Due To Internal Combustion Engine
Day24	Classtest
Day25	Porous Plug Experiment
Day26	Doubtclass
Day27	Unit -3 Thermodynamics 2
Day28	Derivation Of Clausius Clapeyron Latent Heat Equation
Day29	Doubtclassofunit2
Day30	Phase Diagram And Triple Point Of A Substance
Day31	Development Of Maxwell Thermodynamical Relations
Day32	Application Of Maxwell Relationship In Derivation
Day33	Entropy, Specific Heat
Day34	Thermodynamics Variables
Day35	Revision
Day36	Thermodynamics Function
Day37	Internal Energy
Day38	Helmholtz Function
Day39	Classtest
Day40	Enthalpy, Gibbs Function
Day41	And Relationship Between Them
Day42	Applications
Day43	Revision

Day44	Doubtclass
Day45	Revision
Day46	Introduction About Syllabus
Day47	Speed Of Transverse Wave On Uniform String
Day48	Speed Of Longitudinal Waves In S Fluid, Superposition Of Waves
Day49	Fourier Analysis Of Complex Wave
Day50	Study Of Triangular Wave
Day51	Stusy Of Rectangular Wave
Day52	Half Wave Rectifier
Day53	Full Wave Rectifier
Day54	Fourier Transform And Its Properties
Day55	Application Of Fourier Transform
Day56	Assignment
Day57	Numerical Practice
Day58	Test
Day59	Matrix Method In Paraxial Optics
Day60	Effect Of Translation
Day61	Effect Of Refraction
Day62	Thin Lense Formula
Day63	Thicklense Formula
Day64	Unit Plane
Day65	Nodal Plane
Day66	System Of Thin Lense
Day67	Revision
Day68	Test
Day69	Chromatic Aberration
Day70	Spherical Aberration
Day71	Coma Aberration
Day72	Adtigmatism Aberration
Day73	Distortion Aberration
Day74	Remedies For Aberration
Day75	Remedies For Aberration
Day76	Assignment
Day77	Revision
Day78	Test
Day79	Interference By Division Of Wavefornt
Day80	Fresnel Biprism
Day81	Applications To Find Wavelength Of Sodium Lifgt.
Day82	Revision
Day83	Numerical Practice
Day84	Test
Day85	Thickness Of Thin Mica Sheet
Day86	Lloy’s Mirror
Day87	Phase Change On Reflection
Day88	Revision
Day89	Revision
Day90	Revision

Name Of The Professor:- Ms. Reeta Kumari, Ms. Pinki Rani **Class : B.Sc.(N.M) 5th Sem** **Subject:Solid State Physics, Quantum Physics** **Subject Code: - Phy-501, Phy-502**	
Day 1	Introduction About Syllabus
Day 2	Crystalline And Glassy Solids
Day 3	Liquid Crystal
Day 4	Periodicity Of Crystal
Day 5	Lattice And Basis
Day 6	Crystal Translation Vectors And Axes
Day 7	Unit Cell And Primitive Cell
Day 8	Winger Sietzpermitive Cell
Day 9	Symmetry Oprations For 2d
Day 10	Bravais Lattice In 2d
Day 11	Bravais Lattice In 3d
Day 12	Revision
Day 13	Revision
Day 14	Test
Day 15	Crystal Planes
Day 16	Miller Indices
Day 17	Interplanner Spacing
Day 18	Crystal Structure Of Zinc Sulphide
Day 19	Crystal Structure Of Diamond
Day 20	Crystal Structure Of Nacl
Day 21	Assignment
Day 22	X Ray Diffraction
Day 23	Revision
Day 24	Test
Day 25	Bragg's Law
Day 26	Experimental Xray Diffraction Methods
Day 27	Experimental Xray Diffraction Methods
Day 28	K-Space
Day 29	Assignment
Day 30	Reciprocal Lattice And Its Physical Significance
Day 31	Reciprocal Lattice Vector
Day 32	Reciprocal Lattice To A Simple Cubic Lattice
Day 33	Reciprocal Lattice To Ab.C.C
Day 34	Reciprocal Lattice To Af.C.C
Day 35	Specific Heat Of Solids
Day 36	Einstein's Theory Of Specific Heat
Day 37	Einstein's Theory Of Specific Heat
Day 38	Debey Model Of Specific Heat Of Solids
Day 39	Debey Model Of Specific Heat Of Solids
Day 40	Revision
Day 41	Test
Day 42	Revision
Day 43	Test
Day 44	Revision

Day 45	Revision
Day 46	Failure Of (Classical) E.M. Theory
Day 47	Old Quantum Theory, Photon
Day 48	Photoelectric Effect
Day 49	Einstein's Photoelectric Equation
Day 50	Numericals Based On Above Topics
Day 51	Compton Effect
Day 52	Compton Effect (Theory And Result).
Day 53	Inadequacy Of Old Quantum Theory
Day 54	Test I,Assignment I
Day 55	De-Broglie Hypothesis
Day 56	Davisson And Germer Experiment.
Day 57	G. P. Thomson Experiment
Day 58	Phase Velocity, Group Velocity
Day 59	Heisenberg's Uncertainty Principle
Day 60	Applications Of Heisenberg's Uncertainty Principle
Day 61	Smart Class Based On Topics Cover In Class
Day 62	Time-Energy And Angular Momentum- Position Uncertainty
Day 63	Uncertainty Principle From De-Broglie Wave, Wave-Particle Duality
Day 64	Test 2
Day 65	Derivation Of Time Dependent Schrodinger Wave Equation
Day 66	Eigen Values, Eigen Functions
Day 67	Wave Functions And Its Significance.
Day 68	Normalization Of Wave Function, Concept Of Observable And Operator.
Day 69	Solution Of Schrodinger Equation For Harmomic Oscillator
Day 70	Solution Of Schrodinger Equation For Harmomic Oscillator
Day 71	Probability Current Density
Day 72	Test-3, Assignment- 2
Day 73	Revision
Day 74	Free Particle In One Dimensional Box
Day 75	Free Particle In One Dimensional Box (Solution Of Schrodinger Wave Equation
Day 76	Eigen Values, Quantization Of Energy And Momentum, Nodes And Antinodes
Day 77	One-Dimensional Potential Step $E>V_0$ (Solution Of Schrodinger Wave Equation)
Day 78	One-Dimensional Potential Step $E>V_0$ (Reflection And Transmission)
Day 79	One-Dimensional Potential Barrier, $E>V_0$
Day 80	One-Dimensionalpotentialbarrier, $E>V_0$ (Reflection And Transmission)
Day 81	One-Dimensional Potential Barrier, $E>V_0$ (Leakage Coefficient, Penetration)
Day 82	Test- 4
Day 83	Assignment- 3
Day 84	Test-5
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Priyanka **Class And Section: B.Sc. Non Med 5th Sem** **Subject: Organic Chemistry**	
Day 1	Introduction To Nmr, Principal , Pmr Spectrum
Day 2	No. Of Signals , Peak Areas, Equivalent And Non Equivalent Protons
Day 3	Practical Work – Inorganic Salt Analysis
Day 4	Practical Work – Inorganic Salt Analysis
Day 5	Position Of Signals , Shielding And Deshielding Of Protons.
Day 6	Chemical Shift , Proton Counting And Spilliting Of Signals
Day 7	Practical Work – Inorganic Salt Analysis
Day 8	Practical Work – Inorganic Salt Analysis
Day 9	Magnetic Equivalence Of Protons , Coupling Constant
Day 10	Practical Work – Inorganic Salt Analysis
Day 11	Practical Work – Inorganic Salt Analysis
Day 12	Test Of Unit 1
Day 13	Practical Work – Inorganic Salt Analysis
Day 14	Practical Work – Inorganic Salt Analysis
Day 15	Discussion Of Nmr Spectra Of All The Organic Compounds
Day 16	Practical Work – Inorganic Salt Analysis
Day 17	Practical Work – Inorganic Salt Analysis
Day 18	Test / Assignment
Day 19	Practical Work – Inorganic Salt Analysis
Day 20	Practical Work – Inorganic Salt Analysis
Day 21	Classification And Nomenclature Of Carbohydrates , Monosaccharides
Day 22	Practical Work – Inorganic Salt Analysis
Day 23	Practical Work – Inorganic Salt Analysis
Day 24	Preperation And Reactions Of Glucose , Mechanism Of Osazone Formation
Day 25	Practical Work – Inorganic Salt Analysis
Day 26	Practical Work – Inorganic Salt Analysis
Day 27	Reactions Of Fructose , Interconversion Of Glucose And Fructose
Day 28	Practical Work – Inorganic Salt Analysis
Day 29	Practical Work – Inorganic Salt Analysis
Day 30	Chain Lengthening And Shortening Of Aldose
Day 31	Practical Work – Inorganic Salt Analysis
Day 32	Practical Work – Inorganic Salt Analysis
Day 33	Erythro And Threo Diastereomer , Conversation Of Glucose To Mannose
Day 34	Practical Work – Inorganic Salt Analysis
Day 35	Practical Work – Inorganic Salt Analysis
Day 36	Formation Of Glycosides , Ether And Ester
Day 37	Practical Work – Inorganic Salt Analysis
Day 38	Practical Work – Inorganic Salt Analysis
Day 39	Assignment
Day 40	Determination Of Ring Size Of Glucose And Fructose
Day 41	Practical Work – Inorganic Salt Analysis
Day 42	Practical Work – Inorganic Salt Analysis
Day 43	Open Chain And Cyclic Structure Of D-(+) Glucose And D- (+) Fructose
Day 44	Practical Work – Inorganic Salt Analysis
Day 45	Practical Work – Inorganic Salt Analysis

Day 46	Structure Of Ribose And Deoxyribose And Revision
Day 47	Practical Work – Inorganic Salt Analysis
Day 48	Practical Work – Inorganic Salt Analysis
Day 49	Assignment
Day 50	Test
Day 51	Practical Work – Inorganic Salt Analysis
Day 52	Practical Work – Inorganic Salt Analysis
Day 53	Introduction To Diasaccharides , Maltose , Sucrose And Lactose
Day 54	Introduction To Diasaccharides , Maltose , Sucrose And Lactose
Day 55	Practical Work – Inorganic Salt Analysis
Day 56	Practical Work – Inorganic Salt Analysis
Day 57	Introduction To Polysaccharide : Starch And Cellulose
Day 58	Introduction To Polysaccharide : Starch And Cellulose
Day 59	Practical Work – Inorganic Salt Analysis
Day 60	Practical Work – Inorganic Salt Analysis
Day 61	Organomagnesium Compounds : Grignard Reagents Formation
Day 62	Structure And Chemical Reaction
Day 63	Practical Work – Inorganic Salt Analysis
Day 64	Practical Work – Inorganic Salt Analysis
Day 65	Organozinc Compounds : Formation And Chemical Reaction
Day 66	Organozinc Compounds : Formation And Chemical Reaction
Day 67	Practical Work – Inorganic Salt Analysis
Day 68	Practical Work – Inorganic Salt Analysis
Day 69	Organolithium Compounds : Formation And Chemical Reaction
Day 70	Organolithium Compounds : Formation And Chemical Reaction
Day 71	Practical Work – Paper Chromatography
Day 72	Practical Work – – Paper Chromatography
Day 73	Practical Work — Paper Chromatography
Day 74	Practical Work — Paper Chromatography
Day 75	Practical Work — Paper Chromatography
Day 76	Practical Work — Paper Chromatography
Day 77	Doubt Class
Day 78	Doubt Class
Day 79	Test Of Unit 1& 2
Day 80	Doubt Class
Day 81	Doubt Class
Day 82	Test Of Unit 3&4
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Anita
Class And Section: B.Sc. Med 5th Semβ
Subject: Organic Chemistry

Day 1	Introduction To Nmr, Principal , Pmr Spectrum
Day 2	No. Of Signals , Peak Areas, Equivalent And Non Equivalent Protons
Day 3	Practical Work – Inorganic Salt Analysis
Day 4	Practical Work – Inorganic Salt Analysis
Day 5	Position Of Signals , Shielding And Deshielding Of Protons.
Day 6	Chemical Shift , Proton Counting And Spilliting Of Signals
Day 7	Practical Work – Inorganic Salt Analysis
Day 8	Practical Work – Inorganic Salt Analysis
Day 9	Magnetic Equivalence Of Protons , Coupling Constant
Day 10	Practical Work – Inorganic Salt Analysis
Day 11	Practical Work – Inorganic Salt Analysis
Day 12	Test Of Unit 1
Day 13	Practical Work – Inorganic Salt Analysis
Day 14	Practical Work – Inorganic Salt Analysis
Day 15	Discussion Of Nmr Spectra Of All The Organic Compounds)
Day 16	Practical Work – Inorganic Salt Analysis
Day 17	Practical Work – Inorganic Salt Analysis
Day 18	Test / Assignment
Day 19	Practical Work – Inorganic Salt Analysis
Day 20	Practical Work – Inorganic Salt Analysis
Day 21	Classification And Nomenclature Of Carbohydrates , Monosaccharides
Day 22	Practical Work – Inorganic Salt Analysis
Day 23	Practical Work – Inorganic Salt Analysis
Day 24	Preperation And Reactions Of Glucose , Mechanism Of Osazone Formation
Day 25	Practical Work – Inorganic Salt Analysis
Day 26	Practical Work – Inorganic Salt Analysis
Day 27	Reactions Of Fructose , Interconversion Of Glucose And Fructose
Day 28	Practical Work – Inorganic Salt Analysis
Day 29	Practical Work – Inorganic Salt Analysis
Day 30	Shortening Of Aldose , Configuration Of Monosaccharides
Day 31	Practical Work – Inorganic Salt Analysis
Day 32	Practical Work – Inorganic Salt Analysis
Day 33	Erythro And Threo Diastereomer , Conversation Of Glucose To Mannose
Day 34	Practical Work – Inorganic Salt Analysis
Day 35	Practical Work – Inorganic Salt Analysis
Day 36	Formation Of Glycosides , Ether And Ester
Day 37	Practical Work – Inorganic Salt Analysis
Day 38	Practical Work – Inorganic Salt Analysis
Day 39	Assignment
Day 40	Determination Of Ring Size Of Glucose And Fructose
Day 41	Practical Work – Inorganic Salt Analysis
Day 42	Practical Work – Inorganic Salt Analysis
Day 43	Open Chain And Cyclic Structure Of D-(+) Glucose And D- (+) Fructose
Day 44	Practical Work – Inorganic Salt Analysis

Day 45	Practical Work – Inorganic Salt Analysis
Day 46	Structure Of Ribose And Deoxyribose And Revision
Day 47	Practical Work – Inorganic Salt Analysis
Day 48	Practical Work – Inorganic Salt Analysis
Day 49	Assignment
Day 50	Test
Day 51	Practical Work – Inorganic Salt Analysis
Day 52	Practical Work – Inorganic Salt Analysis
Day 53	Introduction To Diasaccharides , Maltose , Sucrose And Lactose
Day 54	Introduction To Diasaccharides , Maltose , Sucrose And Lactose
Day 55	Practical Work – Inorganic Salt Analysis
Day 56	Practical Work – Inorganic Salt Analysis
Day 57	Introduction To Polysaccharide : Starch And Cellulose
Day 58	Introduction To Polysaccharide : Starch And Cellulose
Day 59	Practical Work – Inorganic Salt Analysis
Day 60	Practical Work – Inorganic Salt Analysis
Day 61	Organomagnesium Compounds : Grignard Reagents Formation
Day 62	Structure And Chemical Reaction
Day 63	Practical Work – Inorganic Salt Analysis
Day 64	Practical Work – Inorganic Salt Analysis
Day 65	Organozinc Compounds : Formation And Chemical Reaction
Day 66	Organozinc Compounds : Formation And Chemical Reaction
Day 67	Practical Work – Inorganic Salt Analysis
Day 68	Practical Work – Inorganic Salt Analysis
Day 69	Organolithium Compounds : Formation And Chemical Reaction
Day 70	Organolithium Compounds : Formation And Chemical Reaction
Day 71	Practical Work – Paper Chromatography
Day 72	Practical Work – – Paper Chromatography
Day 73	Practical Work — Paper Chromatography
Day 74	Practical Work — Paper Chromatography
Day 75	Practical Work — Paper Chromatography
Day 76	Practical Work — Paper Chromatography
Day 77	Doubt Class
Day 78	Doubt Class
Day 79	Test Of Unit 1& 2
Day 80	Doubt Class
Day 81	Doubt Class
Day 82	Test Of Unit 3&4
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of Professor: Ms. Vandana Kumari
Class: B.Sc. (Non-Med) 5th Sem
Subject: Numerical Analysis (Math-Iii)

Day 1	Introduction Of The Syllabus
Day 2	Introduction To Finite Difference Operators
Day 3	How To Make Forward And Backward Difference Tables And Examples
Day 4	Relation Between Shift Operators, Forward Difference Operators
Day 5	Some Examples
Day 6	More Examples
Day 7	Exercise
Day 8	Finding The Missing Term And Their Examples
Day 9	Effect Of Error In Difference Tabular Values
Day 10	Examples
Day 11	Introduction To Interpolation With Equal Intervals
Day 12	Derivation Of Newton's Gregory Forward Interpolation Formula
Day 13	Examples,
Day 14	Exercise
Day 15	Doubts
Day 16	Derivation Of Newton's Gregory Backward Interpolation Formula
Day 17	Examples, Exercise And Problems
Day 18	Subdivided Intervals And Their Examples
Day 19	Exercise
Day 20	Doubts
Day 21	Test
Day 22	Introduction To Interpolation With Unequal Intervals And Divided Differences
Day 23	Derivation Of Newton's Divided Difference Interpolation Formula
Day 24	Examples
Day 25	Exercise
Day 26	Derivation Lagrange's Interpolation Formula
Day 27	Examples, Exercise And Problems
Day 28	Derivation Of Hermite's Interpolation Formula
Day 29	Examples, Exercise And Problems
Day 30	Introduction To Central Differences
Day 31	Derivation Of Gauss's Forward Interpolation Formula
Day 32	Derivation Of Gauss's Backward Interpolation Formula
Day 33	Examples, Exercise And Problems
Day 34	Derivation Of Sterling's Interpolation Formula
Day 35	Examples, Exercise And Problems
Day 36	Probability Distribution Of Random Variables, Mean And Variance
Day 37	Examples
Day 38	Exercise And Problems
Day 39	Binomial Distribution Of Random Variables, Mean And Variance
Day 40	Poisson's Distribution Of Random Variables, Mean And Variance
Day 41	Examples, Exercise And Problems
Day 42	Normal Distribution Of Random Variables, Mean And Variance
Day 43	Examples, Exercise And Problems
Day 44	Assignment

Day 45	Derivative Of Functions Using Interpolation Formula's With Equal Intervals
Day 46	Derivative Of Functions Using Interpolation Formula's With Unequal Intervals
Day 47	Examples, Exercise And Problems
Day 48	Derivative Of Functions Using Central Difference Interpolation Formulas
Day 49	Examples, Exercise And Problems
Day 50	Introduction To Eigen Value Problems
Day 51	Power Method
Day 52	Examples, Exercise And Problems
Day 53	Jacobi's Method
Day 54	Examples, Exercise And Problems
Day 55	Householder Method, Qr Method, Lanczo's Method
Day 56	Examples, Exercise And Problems
Day 57	Introduction To Numerical Integration
Day 58	Trapezoidal Rule Simpson's 1/3 Rule
Day 59	Explain How To Use Mathematics Table Booklet
Day 60	Examples
Day 61	Exercise And Problems
Day 62	Cheby Chev Formula
Day 63	Examples, Exercise And Problems
Day 64	Gauss Quadrature Formula
Day 65	Examples, Exercise And Problems
Day 66	Doubts
Day 67	Test
Day 68	Numerical Solution Of Ordinary Differential Equation Single Step Methods
Day 69	Single Step Methods: Euler's Modified Method
Day 70	Numerical Solution Of Ordinary Differential Equation
Day 71	Single Step Methods: Taylor's Series Method
Day 72	Single Step Methods: Runge-Kutta Method
Day 73	Doubts
Day 74	Multiple Step Methods: Milne-Simpson's Method
Day 75	Examples
Day 76	Exercise
Day 77	Multiple Step Methods: Adam-Bashforth Method
Day 78	Examples
Day 79	Exercise
Day 80	Revision Unit -1
Day 81	Revision Unit -1
Day 82	Revision Unit -2
Day 83	Revision Unit -2
Day 84	Revision Unit -3
Day 85	Revision Unit -3
Day 86	Revision Unit -4
Day 87	Revision Unit -4
Day 88	Discuss Previous Years Question Papers
Day 89	Discuss Previous Years Question Papers
Day 90	Discuss Previous Years Question Papers

Name Of The Professor: Ms. Manisha Suri **Class And Section: B.Sc. & B.A. 5th Sem** **Subject: Groups & Rings (Bm-352)**	
Day 1	Introduction To Binary Operation Ch-1
Day 2	Groups & Properties Of Groups
Day 3	Examples Of 1.1
Day 4	Exercise 1.1
Day 5	Theorems Of Exercise 1.2
Day 6	Examples Of 1.2
Day 7	Exercise 1.2
Day 8	Doubts
Day 9	Subgroups And Examples
Day 10	Cyclic Groups
Day 11	Theorems Of Cyclic Groups
Day 12	Exercise 1.3 & 1.4
Day 13	Test Of Ch-1
Day 14	Introduction To Cosets Ch-2
Day 15	Theorems Of Cosets
Day 16	Index Of Subgroup & Normal Subgroup
Day 17	Exercise 2.1
Day 18	Quotient Group
Day 19	Exercise 2.2 &2.3
Day 20	Test Of Ch-2
Day 21	Introduction To Homomorphism & Isomorphic Groups Ch-3
Day 22	Kernel Of Homomorphism
Day 23	Fundamental Theorems On Homomorphism Of Groups (First Theorem)
Day 24	Fundamental Theorems On Homomorphism Of Groups (Second Theorem)
Day 25	Fundamental Theorems On Homomorphism Of Groups (Third Theorem)
Day 26	Exercise 3.1
Day 27	Introduction To Automorphism & Examples
Day 28	Group Of Automorphism Of A Group
Day 29	Group Of Automorphism Of A Cyclic Group
Day 30	Characteristic Subgroups
Day 31	Exercise 3.2 & 3.3
Day 32	Doubt Class
Day 33	Revision Of Ch-3
Day 34	Test Of Ch-3
Day 35	Introduction To Permutation Of Groups Ch-4
Day 35	Introduction To Permutation Of Groups Ch-4
Day 36	Theorems & Examples Of Permutation
Day 37	Even, Odd, Cyclic Permutation
Day 38	Introduction To Rings Ch-5
Day 39	Types Of Rings &Examples
Day 40	Integral Domain & Field
Day 41	Theorems Of Integral Domain
Day 42	Exercise 5.1
Day 43	Introduction To Subrings &Examples
Day 44	Theorems Of Subrings

Day 45	Introduction To Characteristics Of A Ring
Day 46	Theorems Of Characteristics Of Ring
Day 47	Exercise 5.2
Day 48	Introduction To Ideals & Theorems Ch-6
Day 49	Theorems Of Principal Ideal Ring
Day 50	Introduction To Simple Ring & Theorems
Day 51	Maximal Idea & Theorems Of Maximal Ideals
Day 52	Theorems Of Quotient Ring
Day 53	Exercise 6.1
Day 54	Test Of Ch-6
Day 55	Introduction To Ring Homomorphism & Examplesch-7
Day 56	Theorems Of Ring Homomorphism
Day 57	Kernel Of A Ring Homomorphism & Examples
Day 58	Fundamental Theorem Of Homomorphism
Day 59	Embedding Of Rings
Day 60	Field Of Quotient Of An Integral Domain
Day 61	Exercise 7.1
Day 62	Introduction To Communatative Rings Ch-8
Day 63	Euclidean Rings
Day 64	Examples Of Euclidean Rings
Day 65	Theorems Of Euclidean Rings
Day 66	Theorems Of Euclidean Rings Cont..
Day 67	Theorems Of Pid
Day 68	Exercise 8.1
Day 69	Test Of 8.1
Day 70	Introduction To Polynomial Rings & Examples Ch-9
Day 71	Polynomial Ring Over A Ring
Day 72	Set Of Constant Polynomial R[X]
Day 73	Polynomials Over An Integral Domain
Day 74	Polynomials Over A Field
Day 75	Division Algorithm For F[X]
Day 76	Remainder & Factor Theorem
Day 77	Theorem Of Pid & Ufd
Day 78	Primitive Polynomial
Day 79	Gauss Lemma
Day 80	Theorems Of Irreducible Element Of R[X]
Day 81	Field Quotient Of A Ufd
Day 82	Theorems Of Field Quotient
Day 83	Lemma
Day 84	R Is A Ufd So R[X]
Day 85	Eisenstein's Irreducibility Criterion
Day 86	Exercise 9.1
Day 87	Revision Of Unit-I
Day 88	Revision Of Unit-Ii
Day 89	Revision Of Unit-Iii
Day 90	Revision Of Unit-Iv

Name Of The Professor: Ms. Manisha Suri
Class And Section: B.Sc. & B.A 3rd Sem
Subject: Pde (Bm-232)

Day 1	Introduction To Partial Differential Equation
Day 2	Formation Of Equation By The Elimination Of Arbitrary Constants Ch-1
Day 3	Examples
Day 4	Exercise 1.1
Day 5	Doubt Class Of Ex 1.1
Day 6	Formation Of Equation By The Elimination Of Arbitrary Function
Day 7	Examples
Day 8	Exercise 1.2
Day 9	Doubt Class Of Ex 1.2
Day 10	Revision Of Ch-1
Day 11	Test Of Ch-1
Day 12	Introduction To First Order Linear Partial Differential Equation Ch-2
Day 13	Solution Of Lagrange's Linear Equation
Day 14	Type I-Iv
Day 15	Exercise 2.1
Day 16	Doubt Class Of Ex 2.1
Day 17	Test Of Ch-2
Day 18	Assignment Of Ch-1 & 2
Day 19	Introduction To First Order Non Linear Pde Ch-3
Day 20	Condition Of Compatibility
Day 21	Examples & Theorems Of Compatibility
Day 22	General Method Of Solution(Charpit's Method)
Day 23	Examples Of Charpit's Method
Day 24	Exercise 3.1
Day 25	Exercise 3.2
Day 26	Some Standard Forms(Form-I-Iv)Examples
Day 27	Examples Of Forms Cont..
Day 28	Exercise 3.3
Day 29	Doubt Class
Day 30	Jacobi's Method
Day 31	Exercise 3.4
Day 32	Doubt Class
Day 33	Test Of Ch-3
Day 34	Assignment Of Ch-3
Day 35	Introduction To Linear Pde Of Second And Higher Orders Ch-4
Day 36	Solution Of Non-Homogenous Linear Pde With Constant Coefficients
Day 37	Examples
Day 38	Exercise 4.1
Day 39	Doubt Class Of Ex 4.1
Day 40	Solution Of Non-Homogenous Linear Partial Differential Equation
Day 41	Case Of Repeated Factors
Day 42	Case When Pde Cannot Be Resolved Into Linear Factors
Day 43	Rule For Writing C.F. Of Non-Homogenous Linear Equations
Day 44	Examples Of Repeated Factors

Day 45	Examples Of Equations Cannot Be Resolved Into Linear Factors
Day 46	Examples Of Non-Homogenous Partial Differential Equation
Day 47	Exercise 4.2
Day 48	Doubts Class
Day 49	Test Of Ch-4
Day 50	Assignment Of Ch-4
Day 51	Introduction To Variable Coefficients Reducible To Equations
Day 52	Examples Discussed
Day 53	Exercise 5.1
Day 54	Doubts Of Ex 5.1
Day 55	Test Of Ch-5
Day 56	Introduction To Classification And Canonical Forms Of Second Order Linear
Day 57	Classifications Examples
Day 58	Ex 6.1
Day 59	Working Rule For Reduction To Canonical Forms
Day 60	Examples Of Hyperbolic Equations
Day 61	Exercise 6.2
Day 62	Doubt Class
Day 63	Reduction Of Parabolic To Canonical Forms
Day 64	Exercise 6.3
Day 65	Doubt Class Of 6.3
Day 66	Reduction Of Elliptic To Canonical Forms
Day 67	Examples
Day 68	Exercise 6.4
Day 69	Doubt Class
Day 70	Solution Of Linear Hyperbolic Equations
Day 71	Examples Of Riemann's Method
Day 72	Green's Function Examples
Day 73	Exercise 6.5
Day 74	Introduction To Monge's Method For Pde Of Second Order Ch-7
Day 75	Exercise 7.1
Day 76	Exercise 7.2
Day 77	Introduction Of Characterstics Equation And Characterstics Curves Ch-8
Day 78	Exercise 8.1
Day 79	Introduction To Wave Equation Ch-9
Day 80	Method Of Separation Of Variables(One Dimensional Wave Equation)
Day 81	One Dimensional& 2 Dimensional Wave Equation Subject To Initial
Day 82	Exercise 9.1
Day 83	Method Of Separation Of Variables(One & 2 Dimensional Heat Equation)
Day 84	Heat Equation Subject To Initial & Boundary
Day 85	Method Of Separation Of Variables(Laplace Equation)
Day 86	Laplace Equation Subject To Initial & Boundary Conditions
Day 87	Exercise 9.3
Day 88	Revision Of Unit-I&Ii
Day 89	Revision Of Unit-Iii
Day 90	Revision Of Unit-Iv

Name Of The Assistant Professor: Ms. Manisha Suri **Class And Section: B.Sc & B.A 1st Year** **Subject: Algebra**	
Day 1	Orientation Of The Students
Day 2	Orientation Of The Students
Day 3	Introduction Of The Book
Day 4	Chapter 1 'Matrices'
Day 5	Theorem Based On Matrices
Day 6	Exercise-1.1
Day 7	Symmetric And Hermitian Matrix
Day 8	Exercise-1.2
Day 9	Doubts Of Chapter 1
Day 10	Chapter 2 'Rank Of A Matrix
Day 11	Minors Or Rank Of A Matrix
Day 12	Exercise-2.1
Day 13	Elementary Operations
Day 14	Row Echelon And Column Echelon Matrix
Day 15	Exercise-2.2
Day 16	Normal Form Of A Matrix
Day 17	Theorems On Elementary Matrices
Day 18	Exercise-2.3
Day 19	Linear Dependence And Independence Of Row And Column Matrices
Day 20	Theorems On Linear Dependence And Independence
Day 21	Exercise-2.4
Day 22	Doubts Of The Chapter
Day 23	Test
Day 24	Chapter 3 'Characteristic Equation Of A Matrix'
Day 25	Eigen Vector Or Latent Vector
Day 26	Eigen Vector Or Latent Vector
Day 27	Exercise-3.1
Day 28	Exercise-3.2
Day 29	Theorems And Exercise-3.3
Day 30	Monic Polynomial
Day 31	Exercise-3.4
Day 32	Doubts Of The Chapter
Day 33	Applications Of Matrices To A System Of Linear Equation
Day 34	Solution Of System Of Non-Homogeneous Equations
Day 35	Exercise-4.1
Day 36	Solution Of System Of Homogeneous Equations
Day 37	Exercise-4.2
Day 38	Orthogonal Matrix And Its Properties
Day 39	Unitary Matrix And Its Properties
Day 40	Exercise-5.1
Day 41	Doubts Of The Chapter
Day 42	Linear Transformation
Day 43	Factorizable Bilinear Form
Day 44	Exercise-6.1

Day 45	Quadratic Forms
Day 46	Exercise-6.2
Day 47	Linear Transformation Of A Quadratic Form
Day 48	Exercise-6.3
Day 49	Factorable Quadratic Forms
Day 50	Exercise-6.4 And Doubts
Day 51	‘Relation B/.W The Roots And Coefficients Of An Equation’
Day 52	Remainder Theorem And Factor Theorem
Day 53	Exercise-7.1
Day 54	Fundamental Theorem Of Algebra
Day 55	Exercise-7.2
Day 56	Relation Between The Roots And The Co-Efficient Of An Equation
Day 57	Exercise-7.3
Day 58	To Find The Condition That The Roots Of The Given Equation
Day 59	Exercise-7.4
Day 60	Common Roots Of Two Equations
Day 61	Exercise-7.5
Day 62	Doubts Of The Chapter
Day 63	Roots With Signs Changed
Day 64	Reciprocal Roots And Equation
Day 65	Exercise-8.1
Day 66	Roots Diminished By A Given Number
Day 67	Transformation Of The Cubic And Biquadratic
Day 68	Exercise-8.2
Day 69	Transformation In General
Day 70	Exercise-8.3
Day 71	Equation Of Squared Differences Of A Cubic
Day 72	Exercise-8.4
Day 73	‘Solution Of Cubic And Biquadratic Equations
Day 74	Exercise-9.1
Day 75	Descarte’s Solution Of The Biquadratic
Day 76	Exercise-9.2
Day 77	Ferrari’s Method Of Solving A Biquadratic
Day 78	Exercise-9.3
Day 79	Doubts Of The Chapter
Day 80	Test
Day 81	Revision
Day 82	‘Descartes’s Rule Of Signs’
Day 83	Complex Roots
Day 84	Examples
Day 85	Exercise
Day 86	Doubts
Day 87	Doubts
Day 88	Revision
Day 89	Test
Day 90	Revision

Name Of The Professor: Dr. Sonam Ahuja **Class And Section: B.Sc. & B.A. 1st Sem** **Subject: Solid Geometry (Bm-113)**	
Day 1	Introduction To Syllabus And Preliminaries
Day 2	Introduction To Conics Section, Classification Of Conics Section
Day 3	Center Of A Conic Section, To Find Equation Conic Section
Day 4	Find Asymptotes Of Conics, Examples And Exercise
Day 5	To Find Length And Equation Of Axes Of Conics To Find Foci Of Conics
Day 6	Examples And Exercise
Day 7	To Find Length And Equation Of Axes Of Conics To Find Foci Of Conics
Day 8	Examples And Exercise
Day 9	Intersection Of General Conics And A Line, Equation Of Tangents
Day 10	Determine Locus Of Middle Points, Condition For Two Straight Line
Day 11	Polar Of A Point, To Find Pole Of The Line, To Find Equation Of Director
Day 12	Examples And Exercise
Day 13	Test
Day 14	Tracing Of Conics, Examples And Exercise
Day 15	System Of Conics Equation Of Conics Through Intersection Of Conics
Day 16	To Find Equation Of A Conic Having Double Contact With A Conic, Examples
Day 17	Exercise And Problems
Day 18	Confocal Conics, Confocal Parabola, Confocal Ellipse, Confocal Hyperbolas
Day 19	Some Theorem On Confocal Conics
Day 20	Examples And Exercise
Day 21	Assignment
Day 22	Distance Formula, Area Of A Triangle, Equation Of Line In Polar
Day 23	Polar Equation Of Conics, Polar Equation Of A Conic With A Focus As A Pole
Day 24	Equation Of Normal, Prove Tangent At Extrimities Of Any Focal Chord Intersect
Day 25	Tracing Of Conics
Day 26	Problems
Day 27	Examples And Exercise
Day 28	Problems
Day 29	Equation Of Sphere, Diameteric Form Of Sphere
Day 30	Theorems
Day 31	Examples And Exercise
Day 32	Problems
Day 33	Four -Point Form, Examples And Exercise, Equation Of Circle
Day 34	Intersection Of Two Sphere, Examples And Exercise, Sphere And A Line
Day 35	Examples And Exercise
Day 36	Plane Of Contact, Polar Of A Given Plane, Polar Lines, Equation Of Polar
Day 37	Examples And Exercise
Day 38	Two Or More Sphere, Exercise, Length Of Tangent, Examples And Exercise
Day 39	Problems
Day 40	Class Test
Day 41	Paraboloids, Number Of Normal, Normal To An Elliptic Paraboloid
Day 42	Exercise And Examples
Day 43	Problems

Day 44	Homogeneous Equation, Equation Of Cone, Example Discussion
Day 45	Exercise And Problems
Day 46	Problems, Right Circular Cone, Quadratic Cone Through Axes,Enveloping Cone
Day 47	Exercise
Day 48	Problems ,Cone And A Line, Angel Between Two Plan, Examples
Day 49	Exercise And Problems
Day 50	Doubt Class
Day 51	Test
Day 52	Quadratic Cylinder, Right Circular Cylinder, Examples
Day 53	Exercise
Day 54	Enveloping Cylinder, Exercise And Examples
Day 55	Problems
Day 56	Class Test
Day 57	Assignment
Day 58	The Conicoidcentral Conicoids, Trace The Hyperboloid Of One Sheet, Two Sheet
Day 59	Director Circle, Normal, Examples And Exercise
Day 60	Number Of Normal, Cubic Curve Through The Feet Of Normal, Quadratic Cone.
Day 61	Examples And Exercise
Day 62	Problems, Polar Plane Of A Point, Reciprocal Property, Polar Of A Given Plane.
Day 63	Examples And Exercise
Day 64	Enveloping Cone, Cylinder, Examples And Exercise
Day 65	Plane Section With A Given Center, Examples And Exercise
Day 66	Length And Direction Ratios Of The Axes Of A Central Section, Area Of Central
Day 67	Axes Of Noncentral Plane Section Exercise And Examples
Day 68	Problems
Day 69	Circular Section, Examples And Exercise
Day 70	Plane Section Of Paraboloids, Circular Section Of Paraboloids, Exercise
Day 71	Generating Lines Of Hyperboloid Of One Sheet, Examples And Exercise
Day 72	Generating Lines Of A Hyperbolic Paraboloids, Examples And Exercise
Day 73	Confocal Conicoids A Point, Confocal Touching A Given Line
Day 74	Examples And Exercise
Day 75	Problems
Day 76	Doubtt Class
Day 77	Revision
Day 78	Revision
Day 79	Revision
Day 80	Parameter Of Confocal Through A Point,Condocal, Equation To Enveloping Cone
Day 81	Exercise And Examples
Day 82	Examples
Day 83	Reduction Of Second Degree Equation
Day 84	Introduction Of Line And Conicoid,Diameter Planes, Principle Planes
Day 85	Assignment
Day 86	Test
Day 87	Revision Of Unit 1
Day 88	Revision Of Unit 2
Day 89	Revision Of Unit 3
Day 90	Revision Of Unit 4

Name Of The Professor: Dr. Nupur Srivastava
Class And Section: B.Sc. 3rd Sem
Subject: Statics (Bm-233)

Day 1	Introduction Of Subject
Day 2	Resultant And Components
Day 3	Magnitude And Direction Of The Resultant
Day 4	Problems
Day 5	Problems
Day 6	Components Of Given Forces In Two Given Directions
Day 7	Problems
Day 8	Triangle Law Of Forces
Day 9	Theorem
Day 10	Problems
Day 11	Lami,'S Theorem
Day 12	Problem
Day 13	Polygon Law Of Forces
Day 14	Theorem Of Resolve Parts
Day 15	Problems
Day 16	Problems
Day 17	Parallel Forces
Day 18	Resultant Of Two Like And Unlike Forces
Day 19	Analog Of Lami' S Theorem
Day 20	Problem
Day 21	Moment Of A Force About A Point
Day 22	Sign Of Moment Of A Force About A Point
Day 23	Problems
Day 24	Varignon 'S Theorem
Day 25	Problems
Day 26	Center Of A Number Of Parallel Forces Moment Of Force About A Line
Day 27	Varigon's Theorem On Moment
Day 28	Friction Kind Of Friction
Day 29	Law Of Friction
Day 30	Resultant Reaction
Day 31	Angle Of Friction Cone Of Friction
Day 32	Problem
Day 33	Center Of Gravity
Day 34	Center Of Gravity Rod ,Lamina, Theorem
Day 35	Cg Of Uniform Lamina In The Form Of Trapzium
Day 36	Problems
Day 37	Thin Uniform Rod ,Parallogram Lamina,Circular Wire,Right Circular Cone
Day 38	Problem
Day 39	Virtual Work
Day 40	Principal Of Virtual Work
Day 41	Problems
Day 42	Problems
Day 43	Forces In Three Dimensions
Day 44	Composition Of Couple

Day 45	Poinsot's Central Axis
Day 46	Invariants
Day 47	Problems
Day 48	Test
Day 49	Wrenches
Day 50	Resultant Wrench Of Two Given Wrenches
Day 51	Theorem
Day 52	Problem
Day 53	Doubt Class
Day 54	Null Lines And Null Planes
Day 55	Theorem
Day 56	Theorem
Day 57	Problem
Day 58	Test
Day 59	Stable Unstable And Neutral Equilibirum
Day 60	Theorem
Day 61	Problem
Day 62	Revision
Day 63	Couples
Day 64	Sign Of Moment Of Couple
Day 65	Equilibruim Of Couple
Day 66	Theorem
Day 67	Problem
Day 68	Problem
Day 69	Resolution Of A Force Into A Force And Couple
Day 70	Problem
Day 71	Analytical Conditions Of Equilibrium Of Co Planer Forces
Day 72	Trignometrical Theorem
Day 73	Problems
Day 74	Revision
Day 75	Revision
Day 76	Test
Day 77	Doubt Class
Day 78	Revision
Day 79	Revision
Day 80	Test
Day 81	Test
Day 82	Doubt Class
Day 83	Revision
Day 84	Revision
Day 85	Doubt Class
Day 86	Doubt Class
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Sonia **Class And Section: B. Sc(N.M) 3rd Sem** **Subject: Advanced Calculus (Bm-231)**	
Day 1	Introduction Of Continuous Functions
Day 2	Theorems On Continuous Functions
Day 3	Theorems On Continuous Functions
Day 4	Discuss Questions Of Continuous Functions
Day 5	Uniform Continuity And Theorems
Day 6	Doubts Discussion
Day 7	Introduction Of Derivability Of A Function And Chain Rule
Day 8	Darboux's Theorem And Questions
Day 9	Rolles Theorem And Questions
Day 10	Lagranges Mean Value Theorem And Questions
Day 11	Doubts Discussion
Day 12	Cauchy's Mean Value Theorem And Questions
Day 13	Taylor's Theorem And Questions
Day 14	Doubts Discussion
Day 15	Test
Day 16	Introduction Of Indeterminate Forms
Day 17	L'hospital Rule And Questions(0/0)
Day 18	L'hospital Rule To Evaluate The Indeterminate Form Of Infinity
Day 19	L'hospital Rule To Evaluate The Indeterminate Form Of Infinity
Day 20	L'hospital Rule To Evaluate The Indeterminate Form Of Infinity
Day 21	Doubts Discussion
Day 22	Test
Day 23	Introduction Of Functions Of Two Variables And It's Limits
Day 24	Continuity Of A Function Of Two Variables
Day 25	Doubts Discussion
Day 26	Test
Day 27	Introduction Of Partial Differentiation And Partial Diff. Of Higher Order
Day 28	Homogeneous Functions And It's Questions
Day 29	Total Increment And Total Differentiation, Composite Functions
Day 30	Diff. Of Implicit Functions
Day 31	Taylor's Theorem For Functions Of Two Variables
Day 32	Doubts Discussion
Day 33	Test
Day 34	Differentiability Of Functions Of Two Variables
Day 35	Young's Theorem
Day 36	Schwarz's Theorem
Day 37	Implicit Function And Question
Day 38	Doubts
Day 39	Test
Day 40	Maximum And Minimum Of A Function Of Two Variables
Day 41	Lagrange Method Of Undetermined Multipliers
Day 42	Doubts Discussion
Day 43	L'hospital Rule To Evaluate The Indeterminate Form Of Infinity
Day 44	Test
Day 45	Description Of Curves In Space

Day 46	Equation Of A Tangent Line At A Point On A Space Curve
Day 47	Oscillating Plane And Analytic Function
Day 48	Oscillating Plane And Analytic Function
Day 49	Equation Of Tangent Plane At Any Point Of The Surface
Day 50	Normal Line At A Point, Binormal, Curvature
Day 51	Torsion, Screw Curvature And Serret-Frenet Formula
Day 52	Oscillating Plane And Analytic Function
Day 53	Doubts Discussion
Day 54	Oscillating Plane And Analytic Function
Day 55	Test
Day 56	Osculating Circleand It's Results
Day 57	Osculating Sphere And It's Properties
Day 58	Doubts Discussion
Day 59	Test
Day 60	Introduction Of Involutes And Evolutes
Day 61	Oscillating Plane And Analytic Function
Day 62	Bertrand Curves And It's Properties
Day 63	Doubts Discussion
Day 64	Introduction Of Surface, Class Of A Surface
Day 65	Curvilinear Equations Of The Curve On The Surface
Day 66	Family Of Surfaces, Envelope, Edge Of Regression
Day 67	Doubts Discussion
Day 68	Test
Day 69	Revision Of Ch-1,2&3
Day 70	Revision Of Ch-1,2&3
Day 71	Revision Of Ch-1,2&3
Day 72	Test
Day 73	Revision Of Ch-4&5
Day 74	Revision Of Ch-4&5
Day 75	Revision Of Ch-4&5
Day 76	Doubts Discussion
Day 77	Test
Day 78	Revision Of Ch-6&7
Day 79	Revision Of Ch-6&7
Day 80	Revision Of Ch-6&7
Day 81	Revision Of Ch-6&7
Day 82	Doubts Discussion
Day 83	Test
Day 84	Revision Of Ch-8&9
Day 85	Revision Of Ch-8&9
Day 86	Revision Of Ch-8&9
Day 87	Test
Day 88	Revision Of Ch-10&11
Day 89	Revision Of Ch-8&9
Day 90	Revision Of Ch-8&9

Name Of The Professor: Ms. Sonia **Class And Section: B.Sc (N.M) 1st Sem** **Subject: Calculus (Bm-112)**	
Day 1	Introduction Of Limit Of A Function
Day 2	Types Of Limits And Squeeze Principle
Day 3	Continuous Function, Kinds Of Discontinuity
Day 4	Derivability At An Interior Point
Day 5	Doubts Discussion
Day 6	Introduction Of Successive Differentiation
Day 7	Nth Derivatives Of Functions
Day 8	Nth Derivatives Of Functions
Day 9	Nth Derivatives Of Functions
Day 10	Leibnitz's Theorem And It's Question
Day 11	Nth Derivative At X=0
Day 12	Doubts Discussion
Day 13	Test
Day 14	Introduction Of Rolles Theorem And Lagrange's Mean Value Theorem
Day 15	Taylor's Theorem With Lagrange's Forms
Day 16	Taylor's Theorem With Cauchy's Forms Of Remainder
Day 17	Taylor's Infinite Series
Day 18	Another Form Of Taylor's Series
Day 19	Expansion By Diff. Equations
Day 20	Doubts Discussion
Day 21	Test
Day 22	Introduction Of Asymptotes, Pall. To X-Axis & Y-Axis
Day 23	Oblique Asymptotes
Day 24	Oblique Asymptotes Of The General Algebraic Curve
Day 25	Alternative Methods Of Finding Asymptotes
Day 26	Asymptotes Of Polar Curves
Day 27	Position Of The Curves With Respect To The Asymptotes
Day 28	Doubts Discussion
Day 29	Introduction Of Intrinsic Equation, Curvature Of Circle & In Different Forms
Day 30	Radius Of Curvature For Polar Equations
Day 31	Radius Of Curvature At The Origin
Day 32	Center Of Curvature, Circle Of Curvature, Evolute Of A Curve
Day 33	Doubts Discussion
Day 34	Test
Day 35	Introduction Of Singular Point & It's Types
Day 36	Species Of Cusps
Day 37	Concavity And Convexity
Day 38	Doubts Discussion
Day 39	Tracing Of Cartesian Curves
Day 40	Parametric Equations, Cycloid
Day 41	Tracing Of Polar Curves
Day 42	Doubts Discussion
Day 43	Introduction Of Reduction Formula For Trigonometric Functions
Day 44	Introduction Of Reduction Formula For Trigonometric Functions
Day 45	Introduction Of Reduction Formula For Trigonometric Functions

Day 46	Introduction Of Reduction Formula For Trigonometric Functions
Day 47	Introduction Of Reduction Formula For Trigonometric Functions
Day 48	Doubts Discussion
Day 49	Test
Day 50	Introduction Of Rectification, Fundamental Theorem About Rectification
Day 51	Length Of The Parametric Curves
Day 52	Lengths Of The Polar Curves
Day 53	Intrinsic Equation Of A Curve
Day 54	Doubts Discussion
Day 55	Introduction Of Quadrature
Day 56	Area Between Two Curves
Day 57	Area Formula For Parametric Curves
Day 58	Area Formula For Polar Curves
Day 59	Area Between Two Polar Curves
Day 60	Doubts Discussion
Day 61	Test
Day 62	Introduction Of Revolution, Volume Of A Solid Of Revolution
Day 63	Any Axis Of Revolution
Day 64	Volume Formula For Two Solids
Day 65	Volume Formula For Polar Curves
Day 66	Area Of A Surface Of Revolution
Day 67	Centroid
Day 68	Doubts Discussion
Day 69	Test
Day 70	Revision Of Ch-1, 2&3
Day 71	Revision Of Ch-1, 2&3
Day 72	Revision Of Ch-1, 2&3
Day 73	Doubts Discussion
Day 74	Test
Day 75	Revision Of Ch-4, 5&6
Day 76	Revision Of Ch-1, 2&3
Day 77	Revision Of Ch-4, 5&6
Day 78	Doubts Discussion
Day 79	Test
Day 80	Revision Of Ch-7, 8&9
Day 81	Revision Of Ch-7, 8&9
Day 82	Revision Of Ch-7, 8&9
Day 83	Doubts Discussion
Day 84	Test
Day 85	Revision Of Ch-10&11
Day 86	Revision Of Ch-10&11
Day 87	Revision Of Ch-10&11
Day 88	Doubts Discussion
Day 89	Test
Day 90	Revision

Name Of The Professor:Ms.Sonia
Class And Section: B. Sc(N.M) 5th Sem.
Subject:Real Analysis (Bm-351)

Day 1	Introduction Of Riemann Integral
Day 2	Theorem On Lower Sum And Upper Sum
Day 3	Questions Practice
Day 4	Darboux's Theorem And Conditions Of Integrability
Day 5	Integrability Of Continuous Functions
Day 6	Integrability Of Monotonic Functions & Riemann Sum
Day 7	Questions Practice
Day 8	Properties Of Riemann Integral
Day 9	Properties Of Riemann Integral
Day 10	Properties Of Riemann Integral
Day 11	Theorems On Continuity And Differentiability
Day 12	Mean Value Theorem Of Integral Calculus
Day 13	Doubts Discussion
Day 14	Test
Day 15	Improper Integral & It's Types
Day 16	Convergence Of 1st And 2nd Kind
Day 17	Comparison Test For Convergence
Day 18	Properties Of Riemann Integral
Day 19	General Test For Convergence
Day 20	Comparison Test For Convergence At Infinity
Day 21	Cauchy's Test, Abel's Test And Dirichlet's Test For Convergence
Day 22	Cauchy's Test, Abel's Test And Dirichlet's Test For Convergence
Day 23	Frullani's Integral
Day 24	Doubts Discussion
Day 25	Test
Day 26	Continuity Of The Integral & Derivability Of The Integral
Day 27	Integrability Of An Integral Of A Function Of Parameter
Day 28	Doubts Discussion
Day 29	Test
Day 30	Introduction Of Metric Space
Day 31	Bounded Sequence & Function
Day 32	Semi Metric Space
Day 33	Doubts Discussion
Day 34	Test
Day 35	Introduction Of Open & Closed Sphere
Day 36	Interior Point & Nhd. Of A Point
Day 37	Open Set
Day 38	Theorems Of Open Set
Day 39	Theorems Of Open Set
Day 40	Limit Point & Closed Set
Day 41	Theorems Of Closed Set
Day 42	Theorems Of Closed Set
Day 43	Theorems Of Closed Set
Day 44	Exterior Point, Frontier Point & Boundary Point

Day 45	Theorems
Day 46	Doubts Discussion
Day 47	Test
Day 48	Sequence And Their Convergence In Metric Space
Day 49	Theorems On Convergence
Day 50	Cauchy's Sequence & It's Theorems
Day 51	Subsequence & It's Theorems
Day 52	Subsequence & It's Theorems
Day 53	Cantor's Intersection Theorem
Day 54	Baire's Category Theorem
Day 55	Banach's Fixed Point Theorem
Day 56	Doubts Discussion
Day 57	Test
Day 58	Continuous Function & It's Theorems
Day 59	Continuous Function & It's Theorems
Day 60	Continuous Function & It's Theorems
Day 61	Uniform Continuity & It's Theorems
Day 62	Doubts Discussion
Day 63	Test
Day 64	Compact Set & It's Theorems
Day 65	Compact Set & It's Theorems
Day 66	Fip & It's Theorems
Day 67	Fip & It's Theorems
Day 68	Fip & It's Theorems
Day 69	Doubts Discussion
Day 70	Introduction Of Connected And Disconnected Set
Day 71	Properties Of Separated Sets
Day 72	Properties Of Separated Sets
Day 73	Properties Of Separated Sets
Day 74	Component & It's Theorems
Day 75	Doubts Discussion
Day 76	Test
Day 77	Revision Of Ch-1
Day 78	Revision Of Ch-1
Day 79	Revision Of Ch-1
Day 80	Test
Day 81	Revision Of Ch-2&3
Day 82	Revision Of Ch-2&3
Day 83	Test
Day 84	Revision Of Ch-4&5
Day 85	Revision Of Ch-4&5
Day 86	Test
Day 87	Revision Of Ch-7&8
Day 88	Revision Of Ch-7&8
Day 89	Revision Of Ch-7&8
Day 90	Test

Name Of The Professor: Ms. Sonia **Class And Section: B. Sc(N.M) 3rd Sem** **Subject: Advanced Calculus (Bm-231)**	
Day 1	Introduction Of Continuous Functions
Day 2	Theorems On Continuous Functions
Day 3	Theorems On Continuous Functions
Day 4	Discuss Questions Of Continuous Functions
Day 5	Uniform Continuity And Theorems
Day 6	Doubts Discussion
Day 7	Introduction Of Derivability Of A Function And Chain Rule
Day 8	Darboux's Theorem And Questions
Day 9	Rolles Theorem And Questions
Day 10	Lagranges Mean Value Theorem And Questions
Day 11	Doubts Discussion
Day 12	Cauchy's Mean Value Theorem And Questions
Day 13	Taylor's Theorem And Questions
Day 14	Doubts Discussion
Day 15	Test
Day 16	Introduction Of Indeterminate Forms
Day 17	L'hospital Rule And Questions(0/0)
Day 18	L'hospital Rule To Evaluate The Indeterminate Form Of Infinity
Day 19	L'hospital Rule To Evaluate The Indeterminate Form Of Infinity
Day 20	L'hospital Rule To Evaluate The Indeterminate Form Of Infinity
Day 21	Doubts Discussion
Day 22	Test
Day 23	Introduction Of Functions Of Two Variables And It's Limits
Day 24	Continuity Of A Function Of Two Variables
Day 25	Doubts Discussion
Day 26	Test
Day 27	Introduction Of Partial Differentiation And Partial Diff. Of Higher Order
Day 28	Homogeneous Functions And It's Questions
Day 29	Total Increment And Total Differentiation, Composite Functions
Day 30	Diff. Of Implicit Functions
Day 31	Taylor's Theorem For Functions Of Two Variables
Day 32	Doubts Discussion
Day 33	Test
Day 34	Differentiability Of Functions Of Two Variables
Day 35	Young's Theorem
Day 36	Schwarz's Theorem
Day 37	Implicit Function And Question
Day 38	Doubts
Day 39	Test
Day 40	Maximum And Minimum Of A Function Of Two Variables
Day 41	Lagrange Method Of Undetermined Multipliers
Day 42	Doubts Discussion
Day 43	Doubts Discussion

Day 44	Test
Day 45	Description Of Curves In Space
Day 46	Equation Of A Tangent Line At A Point On A Space Curve
Day 47	Oscillating Plane And Analytic Function
Day 48	Oscillating Plane And Analytic Function
Day 49	Equation Of Tangent Plane At Any Point Of The Surface
Day 50	Normal Line At A Point, Binormal, Curvature
Day 51	Torsion, Screw Curvature And Serret-Frenet Formula
Day 52	Oscillating Plane And Analytic Function
Day 53	Doubts Discussion
Day 54	Doubts Discussion
Day 55	Test
Day 56	Osculating Circleand It's Results
Day 57	Osculating Sphere And It's Properties
Day 58	Doubts Discussion
Day 59	Test
Day 60	Introduction Of Involutes And Evolutes
Day 61	Introduction Of Involutes And Evolutes
Day 62	Bertrand Curves And It's Properties
Day 63	Doubts Discussion
Day 64	Introduction Of Surface, Class Of A Surface
Day 65	Curvilinear Equations Of The Curve On The Surface
Day 66	Family Of Surfaces, Envelope, Edge Of Regression
Day 67	Doubts Discussion
Day 68	Test
Day 69	Revision Of Ch-1,2&3
Day 70	Revision Of Ch-1,2&3
Day 71	Revision Of Ch-1,2&3
Day 72	Test
Day 73	Revision Of Ch-4&5
Day 74	Revision Of Ch-4&5
Day 75	Revision Of Ch-4&5
Day 76	Doubts Discussion
Day 77	Test
Day 78	Revision Of Ch-6&7
Day 79	Revision Of Ch-6&7
Day 80	Revision Of Ch-6&7
Day 81	Revision Of Ch-6&7
Day 82	Doubts Discussion
Day 83	Test
Day 84	Revision Of Ch-8&9
Day 85	Revision Of Ch-8&9
Day 86	Revision Of Ch-8&9
Day 87	Test
Day 88	Revision Of Ch-10&11
Day 89	Revision Of Ch-10&11
Day 90	Revision Of Ch-10&11

Name Of The Professor:Ms.Sonia **Class And Section: B.Sc(N.M) 1st Sem.** **Subject: Calculus (Bm-112)**	
Day 1	Introduction Of Limit Of A Function
Day 2	Types Of Limits And Squeeze Principle
Day 3	Continuous Function, Kinds Of Discontinuity
Day 4	Derivability At An Interior Point
Day 5	Doubts Discussion
Day 6	Introduction Of Successive Differentiation
Day 7	Nth Derivatives Of Functions
Day 8	Nth Derivatives Of Functions
Day 9	Nth Derivatives Of Functions
Day 10	Leibnitz's Theorem And It's Question
Day 11	Nth Derivative At X=0
Day 12	Doubts Discussion
Day 13	Test
Day 14	Introduction Of Rolles Theorem And Lagrange's Mean Value Theorem
Day 15	Taylor's Theorem With Lagrange's Forms
Day 16	Taylor's Theorem With Cauchy's Forms Of Remainder
Day 17	Taylor's Infinite Series
Day 18	Another Form Of Taylor's Series
Day 19	Expansion By Diff. Equations
Day 20	Doubts Discussion
Day 21	Test
Day 22	Introduction Of Asymptotes, Pall. To X-Axis & Y-Axis
Day 23	Oblique Asymptotes
Day 24	Oblique Asymptotes Of The General Algebraic Curve
Day 25	Alternative Methods Of Finding Asymptotes
Day 26	Asymptotes Of Polar Curves
Day 27	Position Of The Curves With Respect To The Asymptotes
Day 28	Doubts Discussion
Day 29	Introduction Of Intrinsic Equation, Curvature Of Circle
Day 30	Radius Of Curvature For Polar Equations
Day 31	Radius Of Curvature At The Origin
Day 32	Center Of Curvature, Circle Of Curvature, Evolute Of A Curve
Day 33	Doubts Discussion
Day 34	Test
Day 35	Introduction Of Singular Point & It's Types
Day 36	Species Of Cusps
Day 37	Concavity And Convexity
Day 38	Doubts Discussion
Day 39	Tracing Of Cartesian Curves
Day 40	Parametric Equations, Cycloid
Day 41	Tracing Of Polar Curves
Day 42	Doubts Discussion

Day 43	Introduction Of Reduction Formula For Trigonometric Functions
Day 44	Introduction Of Reduction Formula For Trigonometric Functions
Day 45	Introduction Of Reduction Formula For Trigonometric Functions
Day 46	Introduction Of Reduction Formula For Trigonometric Functions
Day 47	Introduction Of Reduction Formula For Trigonometric Functions
Day 48	Doubts Discussion
Day 49	Test
Day 50	Introduction Of Rectification, Fundamental Theorem About Rectification
Day 51	Length Of The Parametric Curves
Day 52	Lengths Of The Polar Curves
Day 53	Intrinsic Equation Of A Curve
Day 54	Doubts Discussion
Day 55	Introduction Of Quadrature
Day 56	Area Between Two Curves
Day 57	Area Formula For Parametric Curves
Day 58	Area Formula For Polar Curves
Day 59	Area Between Two Polar Curves
Day 60	Doubts Discussion
Day 61	Test
Day 62	Introduction Of Revolution, Volume Of A Solid Of Revolution
Day 63	Any Axis Of Revolution
Day 64	Volume Formula For Two Solids
Day 65	Volume Formula For Polar Curves
Day 66	Area Of A Surface Of Revolution
Day 67	Centroid
Day 68	Doubts Discussion
Day 69	Test
Day 70	Revision Of Ch-1, 2&3
Day 71	Revision Of Ch-1, 2&3
Day 72	Revision Of Ch-1, 2&3
Day 73	Doubts Discussion
Day 74	Test
Day 75	Revision Of Ch-4, 5&6
Day 76	Revision Of Ch-4, 5&6
Day 77	Revision Of Ch-4, 5&6
Day 78	Doubts Discussion
Day 79	Test
Day 80	Revision Of Ch-7, 8&9
Day 81	Revision Of Ch-7, 8&9
Day 82	Revision Of Ch-7, 8&9
Day 83	Doubts Discussion
Day 84	Test
Day 85	Revision Of Ch-10&11
Day 86	"
Day 87	"
Day 88	Doubts Discussion
Day 89	Test
Day 90	Revision

Name Of The Professor:Ms.Sonia **Class And Section: B. Sc(N.M) 5th Sem.** **Subject:Real Analysis (Bm-351)**	
Day 1	Introduction Of Riemann Integral
Day 2	Theorem On Lower Sum And Upper Sum
Day 3	Questions Practice
Day 4	Darboux's Theorem And Conditions Of Integrability
Day 5	Integrability Of Continuous Functions
Day 6	Integrability Of Monotonic Functions & Riemann Sum
Day 7	Questions Practice
Day 8	Properties Of Riemann Integral
Day 9	Properties Of Riemann Integral
Day 10	Properties Of Riemann Integral
Day 11	Theorems On Continuity And Differentiability
Day 12	Mean Value Theorem Of Integral Calculus
Day 13	Doubts Discussion
Day 14	Test
Day 15	Improper Integral & It's Types
Day 16	Convergence Of 1st And 2nd Kind
Day 17	Comparison Test For Convergence
Day 18	Comparison Test For Convergence
Day 19	General Test For Convergence
Day 20	Comparison Test For Convergence At Infinity
Day 21	Cauchy's Test, Abel's Test And Dirichlet's Test For Convergence
Day 22	Cauchy's Test, Abel's Test And Dirichlet's Test For Convergence
Day 23	Frullani's Integral
Day 24	Doubts Discussion
Day 25	Test
Day 26	Continuity Of The Integral & Derivability Of The Integral
Day 27	Integrability Of An Integral Of A Function Of Parameter
Day 28	Doubts Discussion
Day 29	Test
Day 30	Introduction Of Metric Space
Day 31	Bounded Sequence & Function
Day 32	Semi Metric Space
Day 33	Doubts Discussion
Day 34	Test
Day 35	Introduction Of Open & Closed Sphere
Day 36	Interior Point & Nhd. Of A Point
Day 37	Open Set
Day 38	Theorems Of Open Set
Day 39	Theorems Of Open Set

Day 40	Limit Point & Closed Set
Day 41	Theorems Of Closed Set
Day 42	Theorems Of Closed Set
Day 43	Theorems Of Closed Set
Day 44	Exterior Point, Frontier Point & Boundary Point
Day 45	Theorems
Day 46	Doubts Discussion
Day 47	Test
Day 48	Sequence And Their Convergence In Metric Space
Day 49	Theorems On Convergence
Day 50	Cauchy's Sequence & It's Theorems
Day 51	Subsequence & It's Theorems
Day 52	Subsequence & It's Theorems
Day 53	Cantor's Intersection Theorem
Day 54	Baire's Category Theorem
Day 55	Banach's Fixed Point Theorem
Day 56	Doubts Discussion
Day 57	Test
Day 58	Continuous Function & It's Theorems
Day 59	Continuous Function & It's Theorems
Day 60	Continuous Function & It's Theorems
Day 61	Uniform Continuity & It's Theorems
Day 62	Doubts Discussion
Day 63	Test
Day 64	Compact Set & It's Theorems
Day 65	Compact Set & It's Theorems
Day 66	Fip & It's Theorems
Day 67	Fip & It's Theorems
Day 68	Fip & It's Theorems
Day 69	Doubts Discussion
Day 70	Introduction Of Connected And Disconnected Set
Day 71	Properties Of Separated Sets
Day 72	Properties Of Separated Sets
Day 73	Properties Of Separated Sets
Day 74	Component & It's Theorems
Day 75	Doubts Discussion
Day 76	Test
Day 77	Revision Of Ch-1
Day 78	Revision Of Ch-1
Day 79	Revision Of Ch-1
Day 80	Test
Day 81	Revision Of Ch-2&3

Day 82	Revision Of Ch-2&3
Day 83	Test
Day 84	Revision Of Ch-4&5
Day 85	Revision Of Ch-4&5
Day 86	Test
Day 87	Revision Of Ch-7&8
Day 88	Revision Of Ch-7&8
Day 89	Revision Of Ch-7&8
Day 90	Test

Name of the professor: Ms. Priyanka
Class And Section: B.Sc. Med 5th sem,A
Subject: Organic Chemistry

Day 1	Introduction to NMR, Principal , PMR spectrum
Day 2	No. Of signals , peak areas, equivalent and non equivalent protons
Day 3	Practical Work – Inorganic Salt Analysis
Day 4	Practical Work – Inorganic Salt Analysis
Day 5	Position of signals , Shielding and deshielding of protons.
Day 6	Chemical Shift , Proton Counting and Spilliting of Signals
Day 7	Practical Work – Inorganic Salt Analysis
Day 8	Practical Work – Inorganic Salt Analysis
Day 9	Magnetic Equivalence of Protons , Coupling Constant
Day 10	Practical Work – Inorganic Salt Analysis
Day 11	Practical Work – Inorganic Salt Analysis
Day 12	Test of Unit 1
Day 13	Practical Work – Inorganic Salt Analysis
Day 14	Practical Work – Inorganic Salt Analysis
Day 15	Discussion of NMR Spectra of all the organic Compounds mentioned in Unit 2
Day 16	Practical Work – Inorganic Salt Analysis
Day 17	Practical Work – Inorganic Salt Analysis
Day 18	Test / Assignment
Day 19	Practical Work – Inorganic Salt Analysis
Day 20	Practical Work – Inorganic Salt Analysis
Day 21	Unit 3 - Classification and nomenclature of carbohydrates , monosaccharides
Day 22	Practical Work – Inorganic Salt Analysis
Day 23	Practical Work – Inorganic Salt Analysis
Day 24	Preperation and reactions of Glucose , Mechanism of Osazone formation
Day 25	Practical Work – Inorganic Salt Analysis
Day 26	Practical Work – Inorganic Salt Analysis
Day 27	Preparation and reactions of fructose , interconversion of glucose and fructose
Day 28	Practical Work – Inorganic Salt Analysis
Day 29	Practical Work – Inorganic Salt Analysis
Day 30	Chain lengthening and shortening of aldose , Configuration of monosaccharides
Day 31	Practical Work – Inorganic Salt Analysis
Day 32	Practical Work – Inorganic Salt Analysis
Day 33	Erythro and threo diastereomer , Conversation of glucose to mannose
Day 34	Practical Work – Inorganic Salt Analysis
Day 35	Practical Work – Inorganic Salt Analysis
Day 36	Formation of glycosides , ether and ester
Day 37	Practical Work – Inorganic Salt Analysis
Day 38	Practical Work – Inorganic Salt Analysis
Day 39	Assignment
Day 40	Determination of ring size of glucose and fructose , Mechanism of mutarotation
Day 41	Practical Work – Inorganic Salt Analysis
Day 42	Practical Work – Inorganic Salt Analysis
Day 43	Open chain and cyclic structure of D-(+) Glucose and D- (+) Fructose
Day 44	Practical Work – Inorganic Salt Analysis

Day 45	Practical Work – Inorganic Salt Analysis
Day 46	Structure of Ribose and deoxyribose and Revision
Day 47	Practical Work – Inorganic Salt Analysis
Day 48	Practical Work – Inorganic Salt Analysis
Day 49	Assignment
Day 50	Test
Day 51	Practical Work – Inorganic Salt Analysis
Day 52	Practical Work – Inorganic Salt Analysis
Day 53	Introduction to diasaccharides , maltose , sucrose and lactose
Day 54	Introduction to diasaccharides , maltose , sucrose and lactose
Day 55	Practical Work – Inorganic Salt Analysis
Day 56	Practical Work – Inorganic Salt Analysis
Day 57	Introduction to polysaccharide : Starch and Cellulose
Day 58	Introduction to polysaccharide : Starch and Cellulose
Day 59	Practical Work – Inorganic Salt Analysis
Day 60	Practical Work – Inorganic Salt Analysis
Day 61	Organomagnesium compounds : Grignard reagents formation
Day 62	Structure and chemical Reaction
Day 63	Practical Work – Inorganic Salt Analysis
Day 64	Practical Work – Inorganic Salt Analysis
Day 65	Organozinc Compounds : Formation and Chemical Reaction
Day 66	Organozinc Compounds : Formation and Chemical Reaction
Day 67	Practical Work – Inorganic Salt Analysis
Day 68	Practical Work – Inorganic Salt Analysis
Day 69	Organolithium Compounds : Formation and Chemical Reaction
Day 70	Organolithium Compounds : Formation and Chemical Reaction
Day 71	Practical Work – Paper Chromatography
Day 72	Practical Work – – Paper Chromatography
Day 73	Practical Work — Paper Chromatography
Day 74	Practical Work — Paper Chromatography
Day 75	Practical Work — Paper Chromatography
Day 76	Practical Work — Paper Chromatography
Day 77	Doubt Class
Day 78	Doubt Class
Day 79	Test of Unit 1& 2
Day 80	Doubt Class
Day 81	Doubt Class
Day 82	Test of Unit 3&4
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor: Ms Priyanka Bhatia
Class And Section: BSc Med 3rd Sem
Subject: Inorganic Chemistry

Day 1	Introduction to D-Block Elements,Position in the periodic table
Day 2	General characteristic and properties of d block elements
Day 3	Practical Work- Organic Compound Analysis
Day 4	Comparsion of properties of 3d elements with 4d and 5d elements
Day 5	Conparsion of magnetic and spectral properties ,stereochemistry
Day 6	Practical Work- Organic Compound Analysis
Day 7	Practical Work- Organic Compound Analysis
Day 8	Stability of various oxidation states and e.m.f
Day 9	Practical Work- Organic Compound Analysis
Day 10	Practical Work- Organic Compound Analysis
Day 11	Structures and properties of some compounds of transition elements
Day 12	Practical Work- Organic Compound Analysis
Day 13	Assignment
Day 14	Practical Work- Organic Compound Analysis
Day 15	Practical Work- Organic Compound Analysis
Day 16	Test of D Block elements
Day 17	Introduction to coordination compounds
Day 18	Werner's theory of coordination compounds
Day 19	Practical Work- Organic Compound Analysis
Day 20	Assignment
Day 21	Test
Day 22	Practical Work- Organic Compound Analysis
Day 23	Practical Work- Organic Compound Analysis
Day 24	Types of ligands ,chelates,effects
Day 25	Types of ligands ,chelates,effects
Day 26	Practical Work- Organic Compound Analysis
Day 27	Practical Work- Organic Compound Analysis
Day 28	Nomenclature of coordination compunds
Day 29	Nomenclature of coordination compunds
Day 30	Practical Work- Organic Compound Analysis
Day 31	Practical Work- Organic Compound Analysis
Day 32	Effective atomic number and Practice of nomenclature
Day 33	Effective atomic number and Practice of nomenclature
Day 34	Practical Work- Organic Compound Analysis
Day 35	Practical Work- Organic Compound Analysis
Day 36	Assignment
Day 37	Practical Work- Organic Compound Analysis
Day 38	Practical Work- Organic Compound Analysis
Day 39	Practical Work- Organic Compound Analysis
Day 40	Isomerism in coordination compounds
Day 41	Isomerism in coordination compounds
Day 42	Practical Work- Organic Compound Analysis
Day 43	Practical Work- Organic Compound Analysis
Day 44	Geometrical and optical isomerism

Day 45	Geometrical and optical isomerism
Day 46	Practical Work- Organic Compound Analysis
Day 47	Practical Work- Organic Compound Analysis
Day 48	Practical Work- Organic Compound Analysis
Day 49	Valence bond theory of transition metal complexes
Day 50	Valence bond theory of transition metal complexes
Day 51	Practical Work- Organic Compound Analysis
Day 52	Practical Work- Organic Compound Analysis
Day 53	Applications of valence bond theory
Day 54	Colours and Magnetic properties of coordination compounds
Day 55	Practical Work- Organic Compound Analysis
Day 56	Practical Work- Organic Compound Analysis
Day 57	Limitations of VBT and Doubt class
Day 58	Assignment
Day 59	Practical Work- Organic Compound Analysis
Day 60	Practical Work- Organic Compound Analysis
Day 61	Types of solvents
Day 62	Test
Day 63	Practical Work- Organic Compound Analysis
Day 64	Practical Work- Organic Compound Analysis
Day 65	Non aqueous solvents ,physical properties of solvents
Day 66	Non aqueous solvents ,physical properties of solvents
Day 67	Practical Work- Organic Compound Analysis
Day 68	Practical Work- Organic Compound Analysis
Day 69	Practical Work- Organic Compound Analysis
Day 70	Non aqueous solvents- general properties
Day 71	Non aqueous solvents- general properties
Day 72	Practical Work- Organic Compound Analysis
Day 73	Practical Work- Organic Compound Analysis
Day 74	Reactions in non aqueous solvents with reference to liquid ammonia and liquid
Day 75	Reactions in non aqueous solvents with reference to liquid ammonia and liquid
Day 76	Practical Work- Organic Compound Analysis
Day 77	Practical Work- Organic Compound Analysis
Day 78	Practical Work- Organic Compound Analysis
Day 79	Assignment
Day 80	Test
Day 81	Revision and Doubt class of Unit-1
Day 82	Revision and Doubt class of Unit-2
Day 83	Revision and Doubt class of Unit-3
Day 84	Practice of important questions
Day 85	Practice of important questions
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor: Ms. Komal Sharma

Class And Section: B.Sc. 5TH sem(Medical A&B)

Subject: Inorganic chemistry

Day 1	Metal ligand bonding, introduction
Day 2	crystal field theory for octahedral, tetrahedral
Day 3	crystal field theory for square planar, Factors affecting CFSE
Day 4	Practical Work – Inorganic Analysis
Day 5	Practical Work – Inorganic Analysis
Day 6	Doubt Class
Day 7	Test of crystal field theory
Day 8	Practical Work – Inorganic Analysis
Day 9	Practical Work – Inorganic Analysis
Day 10	Magnetic Properties of transition metal complexes
Day 11	Magnetic Properties of transition metal complexes
Day 12	Practical Work – Inorganic Analysis
Day 13	Practical Work – Inorganic Analysis
Day 14	Introduction and types of properties
Day 15	Introduction and types of properties
Day 16	Practical Work – Inorganic Analysis
Day 17	Practical Work – Inorganic Analysis
Day 18	Methods to measure magnetic properties
Day 19	Methods to measure magnetic properties
Day 20	Practical Work – Inorganic Analysis
Day 21	Practical Work – Inorganic Analysis
Day 22	Relation b/w magnetic susceptibility and magnetic moment
Day 23	Relation b/w magnetic susceptibility and magnetic moment
Day 24	Practical Work – Inorganic Analysis
Day 25	Practical Work – Inorganic Analysis
Day 26	Orbital contribution and TIP
Day 27	Orbital contribution and TIP
Day 28	Practical Work – Inorganic Analysis
Day 29	Practical Work – Inorganic Analysis
Day 30	Doubt Class
Day 31	Test of Magnetic Properties of transition metal complexes
Day 32	Practical Work – Inorganic Analysis
Day 33	Practical Work – Inorganic Analysis
Day 34	Thermodynamic and kinetic aspects of metal complexes
Day 35	Thermodynamic and kinetic aspects of metal complexes
Day 36	Practical Work – Inorganic Analysis
Day 37	Practical Work – Inorganic Analysis
Day 38	Factors affecting stability of complexes
Day 39	Factors affecting stability of complexes
Day 40	Practical Work – Inorganic Analysis
Day 41	Practical Work – Inorganic Analysis
Day 42	Substitution reactions and rate law

Day 43	Substitution reactions and rate law
Day 44	Practical Work – Inorganic Analysis
Day 45	Practical Work – Inorganic Analysis
Day 46	Trans effect and theories of trans effect
Day 47	Trans effect and theories of trans effect
Day 48	Practical Work – Inorganic Analysis
Day 49	Practical Work – Inorganic Analysis
Day 50	Doubt Class
Day 51	Test of Thermodynamic and kinetic aspects of metal complexes
Day 52	Practical Work – Inorganic Analysis
Day 53	Practical Work – Inorganic Analysis
Day 54	Practical Work – Inorganic Analysis
Day 55	Introduction of electronic spectra of transition metal complexes
Day 56	Introduction of electronic spectra of transition metal complexes
Day 57	Practical Work – Inorganic Analysis
Day 58	Practical Work – Inorganic Analysis
Day 59	Types of electronic transition,
Day 60	Selection of d-d transition
Day 61	Practical Work – Inorganic Analysis
Day 62	Practical Work – Inorganic Analysis
Day 63	Spectroscopic ground state
Day 64	Spectrochemical series
Day 65	Practical Work – Inorganic Analysis
Day 66	Practical Work – Inorganic Analysis
Day 67	Orgel energy level diagram of d1 state
Day 68	Orgel energy level diagram of d9 state
Day 69	Practical Work – Inorganic Analysis
Day 70	Practical Work – Inorganic Analysis
Day 71	Test of orgel energy level diagram
Day 72	Practical Work – Inorganic Analysis
Day 73	Practical Work – Inorganic Analysis
Day 74	Discussion of the electronic spectrum of [Ti(H2O)6]3+ complex ion
Day 75	Discussion of the electronic spectrum of [Ti(H2O)6]3+ complex ion
Day 76	Practical Work – Inorganic Analysis
Day 77	Practical Work – Inorganic Analysis
Day 78	Test of electronic spectra
Day 79	Practical Work – Inorganic Analysis
Day 80	Practical Work – Inorganic Analysis
Day 81	Revision
Day 82	Revision of metal ligand bonding
Day 83	Revision of metal ligand bonding
Day 84	Revision of magnetic properties of transition metal complexes
Day 85	Revision of magnetic properties of transition metal complexes
Day 86	Revision of Thermodynamic and kinetic aspects of metal complexes
Day 87	Revision of Thermodynamic and kinetic aspects of metal complexes
Day 88	Revision of electronic spectra of transition metal complexes
Day 89	Revision
Day 90	Revision

Name of the professor: Ms. Anita
Class And Section: B.Sc. Med 1st Sem
Subject: Organic chemistry

Day 1	Unit 1 - Localised and delocalised chemical bonds, vanderwal interactions
Day 2	Resonance : Conditions , resonance effects and it's applications
Day 3	Practical Work
Day 4	Practical Work
Day 5	Electrometric effect and their comparison
Day 6	Practical Work
Day 7	Practical Work
Day 8	Hyperconjugation , Inductive effect ,
Day 9	Assignment
Day 10	Practical Work
Day 11	Practical Work
Day 12	Doubt Class
Day 13	Test
Day 14	Practical Work
Day 15	Practical Work
Day 16	Chapter 2 : Stereochemistry of organic compounds I - Concept of isomerism
Day 17	Optical isomerism , elements of symmetry
Day18	Practical Work
Day 19	Properties of enantiomers , chiral , achiral with two stereo genic center molecules
Day 20	Chiral , achiral and stereogenic center , Optical Activity
Day 21	Practical Work
Day 22	Practical Work
Day 23	Inversion , retention and racimisation
Day 24	Diastereomer , threo , erythro , meso compounds , resolution of enantiomers
Day 25	Practical Work
Day 26	Practical Work
Day 27	Unit 2 : Stereochemistry of organic compounds
Day 28	Sequence rule , R/S system of nomenclature
Day 29	Practical Work
Day 30	Practical Work
Day 31	Geometric Isomerism and Determination of Configuration
Day 32	Geometric Isomerism and Determination of Configuration
Day 33	Practical Work
Day 34	Practical Work
Day 35	Conformational isomerism : Conformational analysis of of ethane and butane ,
Day 36	Conformation of cyclohexane axial and equitorial bonds
Day 37	Practical Work
Day 38	Practical Work
Day 39	Newman and sawhorse projection
Day 40	Practical Work
Day 41	Practical Work
Day 42	Doubt Class
Day 43	Revision
Day 44	Practical Work
Day 45	Practical Work
Day 46	Unit 3 : Mechanism of Organic Reactions ; curved arrow notation , drawing

Day 47	electron movement with arrow , homolytic and heterolytic bond cleavage
Day 48	Practical Work
Day 49	Practical Work
Day 50	Types of reagents : electrophiles , nucleophiles ,
Day 51	Types of Organic Reactions , energy considerations
Day 52	Practical Work
Day 53	Practical Work
Day 54	Reactive intermediates : Carbocation , carbanion , free radical
Day 55	Reactive intermediates : Carbocation , carbanion , free radical
Day 56	Practical Work
Day 57	Practical Work
Day 58	Carbene , aryne, nitrenes (Formation , structure and stability)
Day 59	Assigning formal charge on intermediates and other ionic species
Day 60	Practical Work
Day 61	Practical Work
Day 62	Doubt Class
Day 63	Test
Day 64	Practical Work
Day 65	Practical Work
Day 66	Unit 4 : Alkanes and Cycloalkanes;
Day 67	Isomerism in Alkanes
Day 68	Practical Work
Day 69	Practical Work
Day 70	Method of formation of Alkanes - wurtz reaction , kolbes reactions
Day 71	Correy house reaction , and decarboxylation of carboxylic acids
Day 72	Practical Work
Day 73	Practical Work
Day 74	Cyclo alkanes - Nomenclature , synthesis of Cycloalkanes and their derivatives ,
Day 75	2+2 cycloaddition Reactions
Day 76	Practical Work
Day 77	Practical Work
Day 78	Dehalogination of alpha - omega dihalides
Day 79	bayer starin theory and it's limitations , theory of strainless ring
Day 80	Test
Day 81	Revision
Day 82	Revision
Day 83	Revision
Day 84	Revision
Day 85	Doubt Class
Day 86	Doubt Class
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor: Ms. Anita
Class And Section: B.Sc. Non Med 1st Sem
Subject: Organic chemistry

Day 1	Unit 1 - Localised and delocalised chemical bonds, vanderwal interactions
Day 2	Resonance : Conditions , resonance effects and it's applications
Day 3	Practical Work
Day 4	Practical Work
Day 5	Electrometric effect and their comparison
Day 6	Practical Work
Day 7	Practical Work
Day 8	Hyperconjugation , Inductive effect ,
Day 9	Assignment
Day 10	Practical Work
Day 11	Practical Work
Day 12	Doubt Class
Day 13	Test
Day 14	Practical Work
Day 15	Practical Work
Day 16	Chapter 2 : Stereochemistry of organic compounds I - Concept of isomerism
Day 17	Optical isomerism , elements of symmetry
Day 18	Practical Work
Day 19	Properties of enantiomers , chiral , achiral with two stereo genic center molecules
Day 20	Chiral , achiral and stereogenic center , Optical Activity
Day 21	Practical Work
Day 22	Practical Work
Day 23	Inversion , retention and racimisation
Day 24	Diastereomer , threo , erythro , meso compounds , resolution of enantiomers
Day 25	Practical Work
Day 26	Practical Work
Day 27	Unit 2 : Stereochemistry of organic compounds II : Relative and Absoluteconfiguration ,
Day 28	Sequence rule , R/S system of nomenclature
Day 29	Practical Work
Day 30	Practical Work
Day 31	Geometric Isomerism and Determination of Configuration , E and Z system
Day 32	Geometric Isomerism and Determination of Configuration , E and Z system
Day 33	Practical Work
Day 34	Practical Work
Day 35	Conformational isomerism : Conformational analysis of of ethane and butane ,
Day 36	Conformation of cyclohexane axial and equitorial bonds
Day 37	Practical Work
Day 38	Practical Work
Day 39	Newman and sawhorse projection , difference between conformation andconfiguration
Day 40	Practical Work
Day 41	Practical Work
Day 42	Doubt Class
Day 43	Revision
Day 44	Practical Work

Day 45	Practical Work
Day 46	Unit 3 : Mechanism of Organic Reactions ; curved arrow notation , drawing
Day 47	electron movement with arrow , homolytic and heterolytic bond cleavage
Day 48	Practical Work
Day 49	Practical Work
Day 50	Types of reagents : electrophiles , nucleophiles ,
Day 51	Types of Organic Reactions , energy considerations
Day 52	Practical Work
Day 53	Practical Work
Day 54	Reactive intermediates : Carbocation , carbanion , free radical
Day 55	Reactive intermediates : Carbocation , carbanion , free radical
Day 56	Practical Work
Day 57	Practical Work
Day 58	Carbene , aryne, nitrenes (Formation , structure and stability)
Day 59	Assigning formal charge on intermediates and other ionic species
Day 60	Practical Work
Day 61	Practical Work
Day 62	Doubt Class
Day 63	Test
Day 64	Practical Work
Day 65	Practical Work
Day 66	Unit 4 : Alkanes and Cycloalkanes; IUPAC nomenclature of branched and unbranched A
Day 67	Isomerism in Alkanes
Day 68	Practical Work
Day 69	Practical Work
Day 70	Method of formation of Alkanes - wurtz reaction , kolbes reactions
Day 71	Correy house reaction , and decarboxylation of carboxylic acids , physical properties
Day 72	Practical Work
Day 73	Practical Work
Day 74	Cyclo alkanes - Nomenclature , synthesis of Cycloalkanes and their derivatives ,
Day 75	2+2 cycloaddition Reactions
Day 76	Practical Work
Day 77	Practical Work
Day 78	Dehalogination of alpha - omega dihalides , pyrolysis of calcium or barium
Day 79	bayer starin theory and it's limitations , theory of strainless ring
Day 80	Test
Day 81	REvision
Day 82	Revision
Day 83	Revision
Day 84	Revision
Day 85	Doubt Class
Day 86	Doubt Class
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor:- Anita Yadav **Class:-B.Sc. Non Medical 2nd year (3rd sem** **Subject:- Physical Chemistry**	
Day 1	{Unit:-4}Nernst Distribution Law- It's Thermodynamics Derivation, Modification
Day 2	Chemical Combination, Application Of Distribution Law
Day 3	Practical Work
Day 4	Practical Work
Day 5	(Ii) Determination Of Equilibrium Constant Of Potassium Tri-Iodide Complex
Day 6	Practical Work
Day 7	Practical Work
Day 8	Test
Day 9	{Unit:-3} Equilibrium Constant And Free Energy, Concept Of Chemical Potential,
Day 10	Practical Work
Day 11	Practical Work
Day 12	Thermodynamics Derivation Of Law Of Chemical Equilibrium
Day 13	Temprature Dependence Of Equilibrium Constant
Day 14	Practical Work
Day 15	Practical Work
Day 16	Van't Hoff Reaction Isochore
Day 17	Van't Hoff Reaction Isotherm
Day 18	Practical Work
Day 19	Practical Work
Day 20	Le-Chatelier's Principal
Day 21	Practical Work
Day 22	Practical Work
Day 23	Applications Of Clausius-Clapeyron Equation
Day 24	Applications Of Clausius-Clapeyron Equation
Day 25	Practical Work
Day 26	Practical Work
Day 27	Assignment
Day 28	Assignment Discussion
Day 29	Practical Work
Day 30	Practical Work
Day 31	Doubt Class
Day 32	Test
Day 33	Practical Work
Day 34	Practical Work
Day 35	{Unit:-1} Defination Of Thermodynamics Terms; System And Surrounding Etc
Day 36	Defination Of Thermodynamics Terms; System And Surrounding Etc
Day 37	Practical Work
Day 38	Practical Work
Day 39	Types Of System,Intensive And Extensive Properties.

Day 40	State And Path Function And TheirDifferentials.
Day 41	Practical Work
Day 42	Practical Work
Day 43	Thermodynamics Process, Zeroth Law Of Thermodynamics
Day 44	Concept Of Heat And Work,
Day 45	Practical Work
Day 46	Practical Work
Day 47	First Law Of Thermodynamics, Statement,
Day 48	Definition Of Internal Energy And Enthalpy.
Day 49	Practical Work
Day 50	Practical Work
Day 51	Heat Capacities At Constant Pressure And Volume
Day 52	Relationship Between Cp And Cv
Day 53	Practical Work
Day 54	Practical Work
Day 55	Joule's Law,Joule-Thomson Coefficient For Ideal Gases
Day 56	Joule's Law,Joule-Thomson Coefficient For Ideal Gases
Day 57	Practical Work
Day 58	Practical Work
Day 59	Joule's Thomson Coefficient For Real Gas And Inversion Temperature.
Day 60	Joule's Thomson Coefficient For Real Gas And Inversion Temperature.
Day 61	Practical Work
Day 62	Practical Work
Day 63	Doubt Class
Day 64	Test Of Unit 3
Day 65	Practical Work
Day 66	Practical Work
Day 67	{Unit:-2} Calculation Of W,Q,Du And Dh For The Ideal Gases Under Isothermal
Day 68	Calculation Of W,Q,Du And Dh For The Ideal Gases Under Isothermal
Day 69	Practical Work
Day 70	Practical Work
Day 71	Calculation Of W,Q,Du,Dh For Adiabatic Condition For Reversible Process
Day 72	Calculation Of W,Q,Du,Dh For Adiabatic Condition For Reversible Process
Day 73	Practical Work
Day 74	Practical Work
Day 75	Temprature Dependence Kirchoffs Equation
Day 76	Temprature Dependence Of Enthalpy,
Day 77	Practical Work
Day 78	Practical Work
Day 79	Bond Energies And Application Of Bond Energies.
Day 80	Assignment Of Unit:-1
Day 81	Practical Work

Day 82	Practical Work
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor:- Ms. Manisha Verma **Class:-B.Sc. Medical 2nd year (3rd sem)** **Subject:- Physical Chemistry**	
Day 1	Nernst Distribution Law- it's Thermodynamics Derivation, Modification
Day 2	When solute undergoes Association and chemical Combination
Day 3	Practical Work
Day 4	Practical Work
Day 5	Determination of equilibrium constant of potassium tri-iodide complex andprocess
Day 6	Practical Work
Day 7	Practical Work
Day 8	Test
Day 9	Equilibrium constant and Free Energy, Concept of chemical potential,
Day 10	Practical Work
Day 11	Practical Work
Day 12	Thermodynamics Derivation of law of chemical equilibrium
Day 13	Temprature dependence of equilibrium constant
Day 14	Practical Work
Day 15	Practical Work
Day 16	Van't Hoff reaction isochore
Day 17	Van't Hoff reaction isotherm
Day 18	Practical Work
Day 19	Practical Work
Day 20	Le-chatelier's Principal
Day 21	Practical Work
Day 22	Practical Work
Day 23	Applications of Clausius-Clapeyron Equation
Day 24	Applications of Clausius-Clapeyron Equation

Day 25	Practical Work
Day 26	Practical Work
Day 27	Assignment
Day 28	Assignment Discussion
Day 29	Practical Work
Day 30	Practical Work
Day 31	Doubt Class
Day 32	Test
Day 33	Practical Work
Day 34	Practical Work
Day 35	Defination of Thermodynamics terms; system and surrounding etc
Day 36	Defination of Thermodynamics terms; system and surrounding etc
Day 37	Practical Work
Day 38	Practical Work
Day 39	Types of system,intensive and extensive properties.
Day 40	State and Path function and theirdifferentials.
Day 41	Practical Work
Day 42	Practical Work
Day 43	Thermodynamics process, Zeroth Law of thermodynamics
Day 44	Concept of heat and work,
Day 45	Practical Work
Day 46	Practical Work
Day 47	First law of thermodynamics, statement,
Day 48	Definition of internal energy and Enthalpy.
Day 49	Practical Work
Day 50	Practical Work
Day 51	Heat capacities at constant Pressure and volume
Day 52	Relationship between Cp and Cv
Day 53	Practical Work
Day 54	Practical Work
Day 55	Joule's Law,joule-Thomson coefficient for ideal Gases
Day 56	Joule's Law,joule-Thomson coefficient for ideal Gases
Day 57	Practical Work
Day 58	Practical Work
Day 59	Joule's Thomson coefficient for real gas and inversion temperature.
Day 60	Joule's Thomson coefficient for real gas and inversion temperature.
Day 61	Practical Work
Day 62	Practical Work
Day 63	Doubt Class
Day 64	Test of Unit 3
Day 65	Practical Work
Day 66	Practical Work

Day 67	{Unit:-2} Calculation of w,q,dU and dH for the ideal Gases Under isothermal
Day 68	Calculation of w,q,dU and dH for the ideal Gases Under isothermal
Day 69	Practical Work
Day 70	Practical Work
Day 71	Calculation of w,q,dU,dH for adiabatic condition for reversible process
Day 72	Calculation of w,q,dU,dH for adiabatic condition for reversible process
Day 73	Practical Work
Day 74	Practical Work
Day 75	Temprature dependence Kirchoffs equation
Day 76	Temprature dependence of Enthalpy,
Day 77	Practical Work
Day 78	Practical Work
Day 79	Bond energies and Application of bond energies.
Day 80	Assignment of Unit:-1
Day 81	Practical Work
Day 82	Practical Work
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name of the professor: Dr Monika **Class And Section: B.Sc. medical 1st Sem** **Subject: Physical Chemistry**	
Day 1	Unit 1 - Classification of solids, Symmetry elements of crystals
Day 2	Laws of crystallography – (i) Law of constancy of interfacial angles
Day 3	Practical Work
Day 4	Practical Work
Day 5	Definition of unit cell & space lattice. Definition of unit cell & space lattice
Day 6	Practical Work
Day 7	Practical Work
Day 8	Determination of crystal structure of NaCl, KCl. Xray diffraction by crystals
Day 9	Definition of unit cell & space lattice. Bravais lattices, crystal system
Day 10	Practical Work
Day 11	Practical Work
Day 12	Doubt Class
Day 13	Test
Day 14	Practical Work
Day 15	Practical Work
Day 16	Liquid crystals: Difference between solids, Liquids and liquid crystals
Day 17	Types of l iquid crystals
Day 18	Practical Work
Day 19	Practical Work
Day 20	Applications of liquid crystals
Day 21	Doubt Class
Day 22	Practical Work
Day 23	Practical Work
Day 24	Doubt Class
Day 25	Test
Day 26	Practical Work
Day 27	Practical Work
Day 28	Unit 2 : Introduction of liquid crystal
Day 29	Applications of liquid crystals
Day 30	Practical Work
Day 31	Practical Work
Day 32	Properties of liquids – surface tension
Day 33	Assignment
Day 34	Practical Work
Day 35	Practical Work
Day 36	Concept of Viscosity
Day 37	Concept of Vapour pressure
Day 38	Practical Work

Day 39	Practical Work
Day 40	Optical rotations and their determination
Day 41	Optical rotations and their determination
Day 42	Practical Work
Day 43	Practical Work
Day 44	Unit 3 : Maxwell's distribution of velocities and energies
Day 45	Maxwell's distribution of energies
Day 46	Practical Work
Day 47	Practical Work
Day 48	Assignment
Day 49	Most probable velocity
Day 50	Practical Work
Day 51	Practical Work
Day 52	Deviation of Real gases from ideal behaviour.
Day 53	Average velocity
Day 54	Practical Work
Day 55	Practical Work
Day 56	Deviation of Real gases from ideal behaviour.
Day 57	And its application in the calculation of Boyle's temperature (compression factor)
Day 58	Practical Work
Day 59	Practical Work
Day 60	Doubt Class
Day 61	Test
Day 62	Practical Work
Day 63	Practical Work
Day 64	Unit-4 Critical Phenomenon: Critical temperature, Critical pressure
Day 65	Critical Phenomenon: Critical temperature, Critical pressure, critical volume
Day 66	Practical Work
Day 67	Practical Work
Day 68	PV isotherms of real gases, Continuity of states
Day 69	The isotherms of Vander Waal's equation
Day 70	Practical Work
Day 71	Practical Work
Day 72	Relationship between critical constant
Day 73	Vander Waal"s constants
Day 74	Practical Work
Day 75	Practical Work
Day 76	Revision
Day 77	Critical compressibility factor.
Day 78	Critical compressibility factor.
Day 79	Doubt Class
Day 80	Doubt Class
Day 81	Revision
Day 82	Revision
Day 83	Revision

Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision