K.L MEHTA DAYANAND COLLEGE FOR WOMEN, FARIDABAD

LESSON PLAN FOR THE SESSION 2023-24(EVEN)

Name Of The Professor: Dr. Meenu Dua **Class And Section: B.Sc. M 6th Sem Sec A & B** **Subject: Physical Chemistry**	
Day 1	Introduction Of Electronic Spectrum
Day 2	Concept Of Potential Energy Curves For Bonding And Antibonding MolecularOrbitals
Day 3	Qualitative Description Of Selection Rules And Franck- Condon Principle
Day 4	Qualitative Description Of Sigma And Pie And N Molecular Orbital (MO) Energy Level.
Day 5	Qualitative Description Of Sigma And Pie And N Molecular Orbital (MO) Their Energy Level And Respective Transitions
Day 6	Introduction Of Photochemistry
Day 7	Interaction Of Radiation With Matter, Difference Between Thermal And Photochemical Processes
Day 8	Laws Of Photochemistry: Grotthus-Drapper Law & Starkeinstein Law
Day 9	Test
Day 10	Jablonski Diagram Depiciting Various Processes Occurring In The Exicted State
Day 11	Practical Work
Day 12	Qualitative Description Of Fluorescence, Phosphorescence & Non-Radiative Processes.
Day 13	Practical Work
Day 14	Quantum Yield, Photosensitized Reactions-Energy Transfer Processes
Day 15	Practical Work
Day 16	Introduction Of Dilute Solutions And Colligative Properties
Day 17	Practical Work
Day 18	Ideal And Non-Ideal Solutions, Methods Of Expressing Concentrations Of Solutions

Day 19	Practical Work
Day 20	Dilute Solution,Colligative Properties
Day 21	Practical Work
Day 22	Raolut's Law, Relative Lowering Of Vapour Pressure
Day 23	Define Activity And Activity Coefficient.
Day 24	Practical Work
Day 25	Practical Work
Day 26	Test
Day 27	Determination Of Molecular Weight From Osmotic Pressure.
Day 28	Practical Work
Day 29	Practical Work
Day 30	Molelcular Weight Determination,
Day 31	Osmosis Law Of Osmotic Pressure And ItsMeasurement,
Day 32	Practical Work
Day 33	Practical Work
Day 34	Assignment
Day 35	Assignment Discussion
Day 36	Practical Work
Day 37	Practical Work
Day 38	Elevation Of Boiling Point
Day 39	Depression Of Freezing Point
Day 40	Practical Work
Day 41	Practical Work

Day 42	Thermodynamic Derivation Of Relation Between Molecular Weight And ElevationIn Boiling Point
Day 43	Thermodynamic Derivation Of Relation Between Molecular Weight And ElevationIn Boiling Point
Day 44	Practical Work
Day 45	Practical Work
Day 46	Thermodynamic Derivation Of Relation Between Molecular Weight And Freezing Point
Day 47	Thermodynamic Derivation Of Relation Between Molecular Weight And Freezing Point
Day 48	Practical Work
Day 49	Practical Work
Day 50	Experimental Methods For Determining Various Colligative Properties.
Day 51	Assignment
Day 52	Practical Work
Day 53	Practical Work
Day 54	Abnormal Molar Mass, Degree Of Dissociation And Association Of Solutes.&
Day 55	Assignment. Discussion
Day 56	Practical Work
Day 57	Practical Work
Day 58	Introduction Of Phase Equillibrium & Statement And Meaning Of The Terms –Phase Component And Degree Of Freedom.
Day 59	Introduction Of Phase Equillibrium & Statement And Meaning Of The Terms –Phase Component And Degree Of Freedom.
Day 60	Practical Work
Day 61	Practical Work
Day 62	Thermodynamic Derivation Of Gibbs Phase Rule
Day 63	Phase Equilibria Of OneComponent System –Example – Water System
Day 64	Practical Work

Day 65	Practical Work
Day 66	Doubt Class
Day 67	Test
Day 68	Practical Work
Day 69	Practical Work
Day 70	Phase Equilibria Of Two Component Systems Solid-Liquid Equilibria.
Day 71	Phase Equilibria Of One Component System -Sulpher Systems
Day 72	Practical Work
Day 73	Practical Work
Day 74	Simple Eutectic Example Of Pb-Ag System & Desilerisation Of Lead.
Day 75	Simple Eutectic Example Of Pb-Ag System & Desilerisation Of Lead.
Day 76	Practical Work
Day 77	Practical Work
Day 78	Discussion Of Previous Year Question Paper.
Day 79	Discussion Of Previous Year Question Paper.
Day 80	Revision Of Unit-1,2
Day 81	Doubt Class
Day 82	Revision Of Unit-3,4
Day 83	Doubt Class
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. Meenu Dua **Class And Section: B.Sc Medical III Year Section : A&B** **Subject: Physical Chemistry**	
Day 1	Introduction Of Electronic Spectrum
Day 2	Concept Of Potential Energy Curves For Bonding And Antibonding MolecularOrbitals
Day 3	Qualitative Description Of Selection Rules And Franck- Condon Principle
Day 4	Qualitative Description Of Sigma And Pie And N Molecular Orbital (MO) Energy Level.
Day 5	Qualitative Description Of Sigma And Pie And N Molecular Orbital (MO) Their Energy Level And Respective Transitions
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Day 8	Laws Of Photochemistry: Grotthus-Drapper Law & Starkeinstein Law
Day 9	Test
Day 10	Jablonski Diagram Depiciting Various Processes Occurring In The Exicted State
Day 11	Practical Work
Day 12	Qualitative Description Of Fluorescence, Phosphorescence & Non-Radiative Processes.
Day 13	Practical Work
Day 14	Quantum Yield, Photosensitized Reactions-Energy Transfer Processes

Day 15	Practical Work
Day 16	Introduction Of Dilute Solutions And Colligative Properties
Day 17	Practical Work
Day 18	Ideal And Non-Ideal Solutions, Methods Of Expressing Concentrations Of Solutions
Day 19	Practical Work
Day 20	Dilute Solution,Colligative Properties
Day 21	Practical Work
Day 22	Raolut's Law, Relative Lowering Of Vapour Pressure
Day 23	Define Activity And Activity Coefficient.
Day 24	Practical Work
Day 25	Practical Work
Day 26	Test
Day 27	Determination Of Molecular Weight From Osmotic Pressure.
Day 28	Practical Work
Day 29	Practical Work
Day 30	Molelcular Weight Determination,
Day 31	Osmosis Law Of Osmotic Pressure And ItsMeasurement,
Day 32	Practical Work
Day 33	Practical Work
Day 34	Assignment
Day 35	Assignment Discussion
Day 36	Practical Work
Day 37	Practical Work

Day 38	Elevation Of Boiling Point
Day 39	Depression Of Freezing Point
Day 40	Practical Work
Day 41	Practical Work
Day 42	Thermodynamic Derivation Of Relation Between Molecular Weight And ElevationIn Boiling Point
Day 43	Thermodynamic Derivation Of Relation Between Molecular Weight And ElevationIn Boiling Point
Day 44	Practical Work
Day 45	Practical Work
Day 46	Thermodynamic Derivation Of Relation Between Molecular Weight And Freezing Point
Day 47	Thermodynamic Derivation Of Relation Between Molecular Weight And Freezing Point
Day 48	Practical Work
Day 49	Practical Work
Day 50	Experimental Methods For Determining Various Colligative Properties.
Day 51	Assignment
Day 52	Practical Work
Day 53	Practical Work
Day 54	Abnormal Molar Mass, Degree Of Dissociation And Association Of Solutes.&
Day 55	Assignment. Discussion
Day 56	Practical Work
Day 57	Practical Work
Day 58	Introduction Of Phase Equillibrium & Statement And Meaning Of The Terms –Phase Component And Degree Of Freedom.
Day 59	Introduction Of Phase Equillibrium & Statement And Meaning Of The Terms –Phase Component And Degree Of Freedom.
Day 60	Practical Work

Day 61	Practical Work
Day 62	Thermodynamic Derivation Of Gibbs Phase Rule
Day 63	Phase Equilibria Of OneComponent System –Example – Water System
Day 64	Practical Work
Day 65	Practical Work
Day 66	Doubt Class
Day 67	Test
Day 68	Practical Work
Day 69	Practical Work
Day 70	Phase Equilibria Of Two Component Systems Solid-Liquid Equilibria.
Day 71	Phase Equilibria Of One Component System -Sulpher Systems
Day 72	Practical Work
Day 73	Practical Work
Day 74	Simple Eutectic Example Of Pb-Ag System & Desilerisation Of Lead.
Day 75	Simple Eutectic Example Of Pb-Ag System & Desilerisation Of Lead.
Day 76	Practical Work
Day 77	Practical Work
Day 78	Discussion Of Previous Year Question Paper.
Day 79	Discussion Of Previous Year Question Paper.
Day 80	Revision Of Unit-1,2
Day 81	Doubt Class
Day 82	Revision Of Unit-3,4
Day 83	Doubt Class

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: B.Sc Non Medical 4th Sem
Subject: Inorganic Chemistry

Day 1	Introduction Of F Block Elements
Day 2	Electronic Structure Of Lanthanide
Day 3	Practical Work
Day 4	Oxidation States And Magnetic Properties
Day 5	Practical Work
Day 6	Practical Work
Day 7	Complex Formation And Colour Of Compounds
Day 8	Ionic Radii And Lanthanide Contraction
Day 9	Practical Work
Day 10	Practical Work
Day 11	Occurence N Separation Of Lanthanides
Day 12	Lanthanide Compounds
Day 13	Practical Work
Day 14	Practical Work
Day 15	Test Of Unit-1

Day 16	Introduction To Actinides
Day 17	Practical Work
Day 18	Practical Work
Day 19	General Characteristics Of Actinides
Day 20	Chemistry Of Separation Of Np,Pu And Am From Uranium
Day 21	Practical Work
Day 22	Practical Work
Day 23	Transuranic Elements
Day 24	Comparison Of Properties Of Lanthanides And Actinides With Transition Elements.
Day 25	Practical Work
Day 26	Practical Work
Day 27	Test Of Unit-2
Day 28	Assignment
Day 29	Practical Work
Day 30	Practical Work
Day 31	Theory Of Qualitative And Quantitative Analysis
Day 32	Introduction To Basic Radical And Acidic Radical
Day 33	Practical Work
Day 34	Practical Work
Day 35	Discussion About Group 1,2 Preliminary Test
Day 36	Common Ion Effect
Day 37	Practical Work
Day 38	Practical Work
Day 39	Solubility Product
Day 40	Group Radical And Group Reagents
Day 41	Practical Work
Day 42	Practical Work
Day 43	Oral Test
Day 44	Chemistry Of Identification Of Acid Radicals In Combination

Day 45	Practical Work
Day 46	Practical Work
Day 47	Chemistry Of Interference Of Acid Radicals
Day 48	Discussion Of Group 1Basic Radical
Day 49	Practical Work
Day 50	Practical Work
Day 51	Group2A
Day 52	Group 2B
Day 53	Practical Work
Day 54	Practical Work
Day 55	Group 3
Day 56	Group 4
Day 57	Practical Work
Day 58	Practical Work
Day 59	Group 4
Day 60	Group 5
Day 61	Practical Work
Day 62	Practical Work
Day 63	Group 6
Day 64	Oral Test Of All Groups
Day 65	Practical Work
Day 66	Practical Work
Day 67	Interfering Acid Radical
Day 68	Group1Confirmatory Test
Day 69	Practical Work
Day 70	Practical Work
Day 71	Group 2 Confirmatory Test
Day 72	Group 3 Confirmatory Test
Day 73	Practical Work

Day 74	Practical Work
Day 75	Theory Of Precipitation,Post Precipitation
Day 76	Purification Of Precipitates
Day 77	Practical Work
Day 78	Practical Work
Day 79	Doubt Class
Day 80	Test
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: Ms. Renu Pandey
Class & Section: B.Sc. Biotechnology Ist Year
Subject: Microbiology (BT 202)

Day 1	Unit I Introduction Of Syllabus
Day 2	History And Evolution Of Microbiology
Day 3	History And Evolution Of Microbiology
Day 4	Practical: Microscopy
Day 5	History And Evolution Of Microbiology

Day 6	Microbial Taxonomy
Day 7	Criteria Used Including Molecular Approaches
Day 8	Criteria Used Including Molecular Approaches
Day 9	Criteria Used Including Molecular Approaches
Day 10	Practical: Microscopy & Use Of Microscope
Day 11	Microbial Phylogeny
Day 12	Assignment
Day 13	Current Classification Of Bacteria
Day 14	Current Classification Of Bacteria
Day 15	Characterization Prokaryotic And Eukaryotic Cells
Day 16	Practical: Microscopy & Use Of Microscope
Day 17	Distribution Of Prokaryotic And Eukaryotic Cells
Day 18	Morphology And Cell Structure
Day 19	Major Groups Of Micro- Organisms
Day 20	Practical: Isoaltion Of Bactria
Day 21	Bacteria
Day 22	Nutritional Categories Of Micro-Organisms
Day 23	Algae
Day 24	Fungi
Day 25	Nutritional Categories Of Micro-Organisms
Day 26	Practical: Microscopy & Use Of Microscope
Day 27	Nutritional Categories Of Micro-Organisms
Day 28	Autotrophy
Day 29	Test
Day 30	Methods Of Isolation
Day 31	Purification
Day 32	Practical: Microscopy & Use Of Microscope
Day 33	Preservation
Day 34	Preservation Methods

Day 35	Microbial Growth: Growth Curve
Day 36	Microbial Growth: Synchronous Batch
Day 37	Continuous Culture
Day 38	Practical: Staining Methods
Day 39	Test
Day 40	Colony Culture
Day 41	Measurement Of Growth And Factors Affecting Growth Of Bacteria
Day 42	Measurement Of Growth And Factors Affecting Growth Of Bacteria
Day 43	Microbial Metabolism: Metabolic Pathways
Day 44	Glycolytic Cycle
Day 45	Microbial Metabolism: Amphi-Catabolic
Day 46	Practical: Staining Methods
Day 47	Catabolic And Biosynthetic Pathways
Day 48	Bacterial Reproduction: Transformation
Day 49	Bacterial Reproduction: Transduction
Day 50	Bacterial Reproduction: Conjugation
Day 51	Endospores And Sporulation In Bacteria
Day 52	Practical: Staining Methods
Day 53	Endospores And Sporulation In Bacteria
Day 54	Test
Day 55	Endospores And Sporulation In Bacteria
Day 56	Endospores And Sporulation In Bacteria
Day 57	Revision
Day 58	Practical: Preparation Of Media And Sterilization
Day 59	Control Of Microorganisms: By Physical Agents
Day 60	Chemical Agents
Day 61	Chemo- Therapeutic Agents
Day 62	Practical: Determination Of Cell Size
Day 63	Assignment

Day 64	Water Microbiology:
Day 65	Water Microbiology:
Day 66	Test
Day 67	Bacterial Polluatnts Of Water,
Day 68	Presentation
Day 69	Coliforms And Non- Coliforms.
Day 70	Coliforms And Non- Coliforms.
Day 71	Practical: Preparation Of Media And Sterilization.
Day 72	Sewage Composition And Its Disposal.
Day 73	Membrane Receptors For Extra Cellular Matrix
Day 74	Membrane Receptors For Extra Cellular Matrix
Day 75	Food Microbiology: Important Microorganism In Food
Day 76	Practical: Total And Viable Count
Day 77	Important Microorganism In Food
Day 78	Major Food Born Infections And Intoxications
Day 79	Preservation Of Various Types Of Foods. Fermented Foods
Day 80	Preservation Of Various Types Of Foods. Fermented Foods
Day 81	Assignment Discussion
Day 82	Practical: Total And Viable Count
Day 83	Major Food Born Infections And Intoxications
Day 84	Bio Engineering Of Microorganism For Industrial Purposes,
Day 85	Industrial Uses Of Bacteria, Yeasts, Moulds
Day 86	Revision Unit I
Day 87	Revision Unit II
Day 88	Presentation
Day 89	Revision Unit III
Day 90	Revision Unit IV

Name Of Professor: Ms. Renu Pandey **Class: B.Sc. Biotechnology Iind Year(4thsem)** **Subject: Animal Diversity II (BT 401)**	
Day 1	Introduction Of Syllabus
Day 2	Introduction
Day 3	Proto-Chordates: Outline
Day 4	Proto-Chordates: Outline
Day 5	Classification
Day 6	General Features And Characters Of Herdmania
Day 7	Origin Of Chordates
Day 8	General Features And Important Characters Of Branchiostoma
Day 9	Practical Identification Of Protochordates
Day 10	Origin Of Chordates
Day 11	Assignment 1
Day 12	Migration In Pisces
Day 13	Migration In Pisces
Day 14	General Classification
Day 15	Practical Identification Of Protochordates
Day 16	Amphibia: Classification
Day 17	Amphibia: Origin
Day 18	Test
Day 19	Amphibia: Parental Care
Day 20	Amphibia: Parental Care
Day 21	Practical An Ecological Note
Day 22	Amphibia: Paedogenesis
Day 23	Reptelia: Classification
Day 24	Presentation

Day 25	Practical
Day 26	Reptilia: Origin
Day 27	Reptilia: Origin
Day 28	Aves: Classification
Day 29	Aves: Flight-Adaptations
Day 30	Aves: Flight-Adaptations
Day 31	Practical An Ecological Note
Day 32	Test
Day 33	General Classification Aves
Day 34	Aves: Migration
Day 35	Flight Adaptation
Day 36	Flight Adaptation
Day 37	Flightless Birds
Day 38	Assignment
Day 39	Practical Identification Of The Slides
Day 40	Revision
Day 41	Mammalia: Classification
Day 42	Presentation
Day 43	Monotremata
Day 44	Mammalia: Origin
Day 45	Practical Identification Of The Slides
Day 46	Mammalia: Dentition
Day 47	Mammalia: Origin
Day 48	Assignment
Day 49	Mammalia: General Features
Day 50	Mammalia: General Features
Day 51	Presentation
Day 52	Comparative Anatomy Of Vertebrates: Integumentary System

Day 53	Comparative Anatomy Of Vertebrates: Integumentary System
Day 54	Assignment
Day 55	Practical Preparation Of Permanent Mount
Day 56	Comparative Anatomy Of Vertebrates: Digestive System
Day 57	Comparative Anatomy Of Vertebrates: Digestive System
Day 58	Comparative Anatomy Of Vertebrates: Digestive System
Day 59	Comparative Anatomy Of Vertebrates: Digestive System
Day 60	Test
Day 61	Practical Preparation Of Permanent Mount
Day 62	Comparative Anatomy Of Vertebrates: Respiratory System
Day 63	Different Respiratory Organs
Day 64	Comparative Anatomy Of Vertebrates: Respiratory System
Day 65	Respiratory System
Day 66	Test
Day 67	Practical Preparation Of Permanent Mount
Day 68	Comparative Anatomy Of Vertebrates –Heart
Day 69	Aortic Arches
Day 70	Comparative Anatomy Of Vertebrates –Heart
Day 71	Comparative Anatomy Of Vertebrate's Aortic Arches
Day 72	Comparative Anatomy Of Vertebrates – Kidney
Day 73	Practical Identification Of Endoskeleton Of Frog And Rabbit
Day 74	Comparative Anatomy Of Vertebrates – Kidney
Day 75	Presentation
Day 76	Comparative Anatomy Of Vertebrates – Urino-Genital System

Day 77	Comparative Anatomy Of Vertebrates – Urino-Genital System
Day 78	Comparative Anatomy Of Vertebrates –Brain
Day 79	Mammal Eye
Day 80	Assignment
Day 81	Practical Identification Of Endoskeleton Of Frog And Rabbit
Day 82	Comparative Anatomy Of Vertebrates –Ear, Eye
Day 83	Comparative Anatomy Of Vertebrates –Ear, Eye
Day 84	Autonomic Nervous System
Day 85	Practical Slide VLS Of Liver
Day 86	Autonomic Nervous System
Day 87	Revision Unit I
Day 88	Revision Unit II
Day 89	Revision Unit III
Day 90	Revision Unit IV

Name Of The Professor: Ms. Renu Pandey
Class And Section: B.Sc. Biotechnology IIIrd Year
Subject: IPR Entrepreneurship, Bioethics & Biosafety (BT 601)

Day 1	Introduction To The Syllabus
Day 2	Introduction Of IPR
Day 3	Introduction Of IPR

Day 4	Property Rights
Day 5	Patent
Day 6	Practical Proxy Filing Of Indian Product Patent
Day 7	World Trade Organization
Day 8	Trade Mark
Day 9	Trade Secret
Day 10	Trade Design
Day 11	Practical Proxy Filing Of Indian Product Patent
Day 12	Presentation
Day 13	Trade Design
Day 14	Copyright
Day 15	Assignment
Day 16	Trips
Day 17	GAAT
Day 18	Practical Proxy Filing Of Indian Process Patent
Day 19	Industrial Property Right
Day 20	Industrial Property Right
Day 21	Test
Day 22	WTO And Related Intellectual Property Provisions
Day 23	WTO And Related Intellectual Property Provisions
Day 24	WTO Members
Day 25	Presentation
Day 26	Legal Protection In Research

Day 27	Legal Protection In Research
Day 28	Revision
Day 29	Legal Protection In Design And Development
Day 30	Legal Protection In Design
Day 31	Practical Proxy Filing Of Indian Process Patent
Day 32	Copyright
Day 33	Copyright
Day 34	Assignment
Day 35	Patenting In Biotechnology
Day 36	Patenting In Biotechnology
Day 37	Patenting In Biotechnology
Day 38	Presentation
Day 39	Practical Planning Of Establishing A Hypothetical Biotechnology Industry In India
Day 40	Ethical And Depository Considerations
Day 41	Ethical And Depository Considerations
Day 42	Entrepreneurship, Introduction
Day 43	Selection Of A Product
Day 44	Release Of Product
Day 45	Basic Regulation Of Excise
Day 46	Demand For A Given Product
Day 47	Demand For A Given Product
Day 48	Assignment
Day 49	Practical Planning Of Establishing A Hypothetical Biotechnology Industry In India

Day 50	Test
Day 51	Demand For A Given Product
Day 52	Feasibility Of Its Production Under Constraints Of Raw Material
Day 53	Constraints Of Energy
Day 54	Feasibility Of Its Production Under Constraints Of Raw Material
Day 55	Product Selection
Day 56	Product Selection
Day 57	Practical Planning Of Establishing A Hypothetical Biotechnology Industry In India
Day 58	Energy Input And Financial Situation
Day 59	Energy Input And Financial Situation
Day 60	Presentation
Day 61	Energy Constraints
Day 62	Energy Constraints
Day 63	Export Potential
Day 64	Export Potential
Day 65	Test
Day 66	Revision
Day 67	Bioethics-Necessity
Day 68	Bioethics-Necessity
Day 69	Assignment
Day 70	Practical Planning Of Establishing A Hypothetical Biotechnology Industry In India
Day 71	Bioethics- Paradigms
Day 72	Bioethics- Paradigms

Day 73	Health Hazards Concerning Biotechnology
Day 74	Bioethical Issues
Day 75	Bioethical Issues
Day 76	Practical Planning Of Establishing A Hypothetical Biotechnology Industry In India
Day 77	Physical Containment
Day 78	Introduction To Contaminant Levels
Day 79	Biosafety Levels
Day 80	Introduction To GLP
Day 81	Introduction To GLP
Day 82	Introduction To GMP
Day 83	Introduction To GMP
Day 84	Practical Setting Up Biotech Industry
Day 85	Biosafety Issues (Discussion)
Day 86	Presentation
Day 87	Revision Unit I
Day 88	Revision Unit II
Day 89	Revision Unit III
Day 90	Revision Unit IV

Name Of Theprofessor: Ms. Sudha Diwakar **Class And Section: B.Sc Biotech 2nd Sem** **Subject: Organic Chemistry B T-206**	
Day1	Nomenclature Of Alkenes
Day2	Dehydrohalogenation Of Alkyl Halides
Day3	Mechanisms Of Dehydration Of Alcohols
Day4	Paper Chromatography Of Cations
Day5	Paper Chromatography Of Anions
Day6	The Saytzeff Rule,
Day7	Hofmann Elimination
Day8	Paper Chromatography Of Cations
Day9	Physical Properties
Day10	Relative Stabilities Of Alkenes.
Day11	Iodoform From Ethanol (Or Acetone)
Day12	Chemical Reactions Of Alkenes
Day13	Mechanisms Involved In Hydrogenation
Day14	Iodoform From Ethanol (Or Acetone)
Day15	Electrophilic And Free Radical Additions, Markownikoff's Rule
Day16	Free Radical Additions, Markownikoff's Rule
Day17	Revision
Day18	Hydroboration–Oxidation,
Day19	Ozonolysis
Day20	Oxymercuration Reduction
Day21	Hydration, Hydroxylation
Day22	*M*-Dinitrobenzene From Nitrobenzene
Day23	Oxidation With Kmno4
Day24	Revision Of Alkenes
Day25	Nomenclature Of Benzene Derivatives:. Aromatic Nucleus And Side Chain
Day26	Aromaticity: The Huckel Rule, Aromatic Ions, Annulenes Up To 10 Carbon Atoms
Day27	Aromaticity: The Huckel Rule, Aromatic Ions, Annulenes Up To 10 Carbon Atoms

Day28	Practice Of Huckle Rule
Day29	Class Test
Day30	*M*-Dinitrobenzene From Nitrobenzene
Day31	Aromatic, Anti - Aromatic And Non - Aromatic Compounds
Day32	Assignment Given On Aromaticity
Day33	P-Bromoacetanilide From Acetanilide
Day34	Aromatic Electrophilic Substitution • General Pattern Of The Mechanism,
Day35	Mechansim Of Nitration
Day36	P-Bromoacetanilide From Acetanilide
Day37	Mechansim Of Sulphonation
Day38	Mechansim Of Halogination
Day39	Mechansim Of Free Craft Alkylation
Day40	Mechansim Of Free Craft Acylation
Day41	Dibenzalacetone From Acetone And Benzaldehyde
Day42	Energy Profile Diagrams
Day43	Activating , Deactivating Substituents And Orientation
Day44	Revision
Day45	Class Test
Day46	Nomenclature And Classification Of Dienes: Isolated, Conjugated And Cumulated Dienes.
Day 47	Structure Of Butadiene
Day 48	Dibenzalacetone From Acetone And Benzaldehyde
Day 49	Chemical Reactions 1,2 And 1,4 Additions And Diels-Alder Reaction
Day 50	Nomenclature, Structure And Bonding In Alkynes
Day 51	Methods Of Formation
Day 52	Aspirin From Salicylic Acid
Day 53	Chemical Reactions Of Alkynes
Day 54	Acidity Of Alkynes
Day 55	Assignment Given On Dienes
Day 56	Aspirin From Salicylic Acid

Day 57	Mechanism Of Electrophilic Addition Reaction
Day 58	Mechanism Of Nucleophilic Addition Reactions
Day 59	Hydroboration-Oxidation Of Alkynes
Day 60	To Study The Process Of Sublimation Of Camphor
Day 61	Nomenclature And Classes Of Alkyl Halides
Day 62	Methods Of Formation
Day 63	Chemical Reactions
Day 64	Class Test
Day 65	Mechanisms And Stereochemistry Of Nucleophilic Substitution Reactions Of Alkyl Halides SN1 Reactions With Energy Profile Diagrams
Day 66	Mechanisms And Stereochemistry Of Nucleophilic Substitution Reactions Of Alkyl Halides SN1 Reactions With Energy Profile Diagrams
Day 67	Revision
Day 68	Mechanism &Stereochemistry Of Nucleophilic Substitution Rxn Of Alkyl Halides S N 2
Day 69	Mechanism &Stereochemistry Of Nucleophilic Substitution Rxn Of Alkyl Halides S N 2
Day 70	Inorganic Cations And Anions By Paper Chromatography (Pb2+ , Cu2+ , Ca2+ , Ni2+
Day 71	Methods Of Formation Of Alkyl Halide
Day 72	And Reactions Of Aryl Halides, The Additionelimination
Day 73	Revision
Day 74	Methods Of Formation And Reactions Of Aryl Halides, The Additionelimination
Day 75	Elimination-Addition Mechanisms Of Nucleophilic Aromatic Substitution Reactions
Day 76	Class Test
Day 77	Inorganic Cations And Anions By Paper Chromatography (Pb2+ , Cu2+ , Ca2+ , Ni2+
Day 78	Relative Reactivities Of Alkyl Halides Vs Allyl, Vinyl And Aryl Halides.
Day 79	Assignment Given On Aryl Halides
Day 80	Doubt Classs
Day 81	Inorganic Cations And Anions By Paper Chromatography (Pb2+ , Cu2+ , Ca2+ , Ni2+)
Day 82	Chemical Reactions Of Aryl Halides
Day 83	REVISION

Day 84	REVISION
Day 85	Organic Preparation :Iodoform From Iodine Crystal.
Day 86	Organic Preparation Practice
Day 87	Revision
Day 88	Doubt Class
Day 89	Revision
Day 90	Revision

Name Of The Assistant Professor: Ms. Sudha Diwakar **Class And Section: B.Sc. Biotech 6th Sem** **Subject: Organic Chemistry**	
Day1	Molecular Orbital Picture And Aromatic Characteristics Of Pyrrole
Day2	Molecular Orbital Picture And Aromatic Characteristics Of Pyrrole
Day3	Molecular Orbital Picture And Aromatic Characteristics Of Furan
Day4	Molecular Orbital Picture And Aromatic Characteristics Of Furan
Day5	Molecular Orbital Picture And Aromatic Characteristics Of Thiophene
Day6	Molecular Orbital Picture And Aromatic Characteristics Of Pyridine
Day7	Methods Of Synthesis Of Thiophene
Day8	Methods Of Synthesis Of Thiophene
Day9	Practical: Determine The Solubility And Solubility Product Of ASparingly Soluble Electrolyte Conductometrically
Day10	Methods Of Synthesis Of Furan
Day11	Methods Of Synthesis Of Furan
Day12	Chemical Reactions Of Pyrrole, Furan
Day13	Chemical Reactions Of Thiophene

Day14	Determine The Solubility And Solubility Product Of ASparingly Soluble Electrolyte Conductometrically
Day15	The Mechanism Of Electrophilic Substitution
Day16	The Mechanism Of Nucleophilic Substitution
Day17	Reactions In Pyridine Derivatives
Day18	Comparison Of Basicity Of Pyridine, Piperidine And Pyrrole
Day19	Condensed Five And Six-Membered Heterocycles
Day20	Practical: Prepare O-Chlorobenzoic Acid From Anthranilic Acid
Day21	Practical: Prepare O-Chlorobenzoic Acid From Anthranilic Acid
Day22	Preparation Of Indole, Quinoline
Day23	Preparation Of Isoquinoline
Day24	Indole Synthesis, Skraup Synthesis & Bischler-Napieralski Synthesis
Day25	Reactions Of Indole
Day26	Practical: To Prepare M-Nitroaniline From M-Dinitrobenzene
Day27	Practical: To Prepare M-Nitroaniline From M-Dinitrobenzene
Day28	Reactions Of Quinoline & Isoquinoline
Day29	Mechanisms Of Electrophilic Substitution Reactions Of Quinoline
Day30	Mechanisms Of Electrophilic Substitution Reactions Of Isoquinoline
Day31	Revision
Day32	Mechanisms Of Electrophilic Substitution Reactions Of Isoquinoline
Day33	Nomenclature, Structural Features, Methods Of Formation Of Thiols
Day34	Methods Of Formation Of Thioethers
Day35	Methods Of Formation Of Thioethers
Day36	Methods Of Formation Of Sulphonic Acids
Day37	Chemical Reactions Of Sulphonamides & Sulphaguanidine
Day38	Practical: To Prepare S-Benzyl-Iso-Thiouronium Chloride From Thiourea
Day39	Practical: To Prepare S-Benzyl-Iso-Thiouronium Chloride From Thiourea
Day40	Chemical Reactions Of Sulphonic Acids, Sulphonamides & Sulphaguanidine
Day41	Chemical Reactions Of Sulphonamides & Sulphaguanidine

Day42	Class Test
Day43	Chemical Reactions Of Sulphonamides & Sulphaguanidine
Day44	Practical: Prepare O-Chlorobenzoic Acid From Anthranilic Acid
Day45	Practical: Prepare O-Chlorobenzoic Acid From Anthranilic Acid
Day46	Synthetic Detergents Alkyl
Day47	Aryl Sulphonates
Day48	Acidity Of Hydrogen, Alkylation Of Diethyl Malonate And Ethyl cetoacetate
Day49	Alkylation Of Ethyl Acetoacetate
Day50	Practical: Determine The Molecular Weight Of A Non-Volatile Solute ByRast Method
Day51	Practical: Determine The Molecular Weight Of A Non-Volatile Solute ByRast Method
Day52	The Claisen Condensation
Day53	Keto-Enol Tautomerism Of Ethyl Acetoacetate
Day54	Addition Or Chain-Growth Polymerization
Day55	Free Radical Vinyl Polymerization
Day56	Practical: To Standardize The Given Acid Solution Ph Metrically
Day57	Practical: To Standardize The Given Acid Solution Ph Metrically
Day58	Ionic Vinyl Polymerization, Zeigler-Natta Polymerization & VinylPolymers
Day59	Practical: To Prepare Of P-Bromoaniline From P-Bromoacetanilide
Day60	Practical: To Prepare Of P-Bromoaniline From P-Bromoacetanilide
Day61	Ionic Vinyl Polymerization, Zeigler-Natta Polymerization
Day62	Condensation Or Step-Growth Polymerization
Day63	Polyesters
Day64	Phenol Formaldehyde Resins, Urea Formaldehyde Resins, Epoxy Resins& Polyurethanes
Day65	Natural And Synthetic Rubbers
Day66	Urea Formaldehyde Resins
Day67	Epoxy Resins & Polyurethanes
Day68	Class Test
Day69	Practical: To Prepare S-Benzyl-Iso-Thiouronium Chloride From Thiourea
Day70	Practical: To Prepare S-Benzyl-Iso-Thiouronium Chloride From Thiourea

Day71	Condensation Or Step-Growth Polymerization, Polyamides
Day72	Polyamides
Day73	Classification Of Amino Acids, Acid-Base Behaviour
Day74	Acid-Base Behaviour
Day75	Structure & Classification Of Proteins
Day76	Isoelectric Point & Electrophoresis
Day77	Practical: Determine Strength Of The Given Acid Solution Conductometrically
Day78	Practical: Determine The Solubility And Solubility Product Of A Sparingly Soluble Electrolyte Conductometrically
Day79	Preparation Of Amino Acids
Day80	Peptide Structure Determination, End Group Analysis
Day81	Peptide Structure Determination, End Group Analysis
Day82	Selective Hydrolysis Of Peptides
Day83	Practical: Determine The Strength Of Given Acid Solution Potentiometrically
Day84	Practical: Determine The Molecular Weight Of A Non-Volatile Solute ByRast Method
Day85	Classical Peptide Synthesis
Day86	Solid-Phase Peptide Synthesis
Day87	Structure Of Peptide
Day88	Proteins: Primary And Secondary Structure
Day89	Practical: To Prepare Of P-Bromoaniline From P-Bromoacetanilide
Day90	Practical: To Prepare Of P-Bromoaniline From P-Bromoacetanilide

Name Of The Professor: Indu Rani **Class And Section: B.Sc. Med. 2nd Sem. Botany** **Subject: Genetics**	
Day 1	Introduction To Syllabus
Day 2	DNA The Genetic Material , Structure Of DNA
Day 3	Replication Of DNA
Day 4	Replication Of DNA
Day 5	DNA And Protein Interaction
Day 6	Genetic Code, Satellite DNA
Day 7	Test
Day 8	Introduction To Mendel And Monohybrid Cross
Day 9	Dihybrid Cross
Day 10	Law Of Segregation
Day 11	Law Of Independent Assortment
Day 12	Linkage
Day 13	Types Of Linkage
Day 14	Sex Linked Inheritance
Day 15	Incomplete And Codominance
Day 16	Complementary Gene Interactions
Day 17	Epistasis
Day 18	Supplementary Genes And Polygenic Inheritance
Day 19	Extra Nuclear Inheritance
Day 20	Plastid Inheritance In Four ‘O Clock Plant
Day 21	Cytoplasm Male Sterility
Day 22	Plasmids
Day 23	Test
Day 24	Mutation
Day 25	Types Of Mutation
Day 26	Mutation And Their Effects
Day 27	Transposon

Day 28	DNA Damage And Repair
Day 29	DNA Damage And Repair
Day 30	Concept Of Gene
Day 31	RNA And Its Types
Day 32	RNA And Its Type
Day 33	Test
Day 34	Ribosome
Day 35	Transcription
Day 36	Translation
Day 37	Translation
Day 38	Structure Of Protein
Day 39	Regulation Of Gene Expression
Day 40	Regulation Of Gene Expression
Day 41	Test
Day 42	Revision
Day 43	Revision
Day 44	Revision
Day 45	Revision
Day 46	Practical Group I – Monohybrid Cross
Day 47	Practical Group I – Dihybrid Cross
Day 48	Practical Group II – Monohybrid Cross
Day 49	Practical Group II – Dihybrid Cross
Day 50	Practical Group III – Monohybrid Cross
Day 51	Practical Group III – Dihybrid Cross
Day 52	Practical Group I – File Check
Day 53	Practical Group I – Incomplete Dominance
Day 54	Practical Group II – File Check
Day 55	Practical Group II – Incomplete Dominance
Day 56	Practical Group III – File Check

Day 57	Practical Group III – Incomplete Dominance
Day 58	Practical Group I – Complete Dominance
Day 59	Practical Group I – Complementary Gene Interactions
Day 60	Practical Group II – Complete Dominance
Day 61	Practical Group II – Complementary Gene Interactions
Day 62	Practical Group III – Complete Dominance
Day 63	Practical Group III – Complementary Gene Interactions
Day 64	Practical Group I – File Check
Day 65	Practical Group I – Dominant Epistasis
Day 66	Practical Group II – File Check
Day 67	Practical Group II – Dominant Epistasis
Day 68	Practical Group III – File Check
Day 69	Practical Group III – Dominant Epistasis
Day 70	Practical Group I – Recessive Epistasis
Day 71	Practical Group I – Concept Of Linkage
Day 72	Practical Group II – Recessive Epistasis
Day 73	Practical Group II – Concept Of Linkage
Day 74	Practical Group III – Recessive Epistasis
Day 75	Practical Group III – Concept Of Linkage
Day 76	Practical Group I – Complete Linkage
Day 77	Practical Group I – File Check
Day 78	Practical Group II – Complete Linkage
Day 79	Practical Group II – File Check
Day 80	Practical Group III – Complete Linkage
Day 81	Practical Group III – File Check
Day 82	Practical Group I – Revision
Day 83	Practical Group I – Revision
Day 84	Practical Group I – Revision
Day 85	Practical Group I – Revision

Day 86	Practical Group I – Revision
Day 87	Practical Group I – Revision
Day 88	Practical Group I – Revision
Day 89	Practical Group I – Revision
Day 90	Practical Group I – Revision

Name Of The Assistant Professor: Shweta Chaudhary **Class And Section: B.Sc. Medical 2nd Year 4th Sem** **Subject: Plant Embryology (Paper II)**	
Day 1	Introduction Of Syllabus
Day 2	Parts Of Flower
Day 3	Inflorescence
Day 4	Different Types Of Inflorescence
Day 5	Aestivation And Types Of Placentation
Day 6	Microsporangium: Structure And Development Of Pollen Sac
Day 7	Dehiscence Mechanism Of Microsporangium
Day 8	Structure Of Pollen Grains And Microsporogenesis
Day 9	Structure Of Pollen Grains And Microsporogenesis
Day 10	Test
Day 11	Development Of Male Gametophytes
Day 12	Pollen- Pistil Interaction
Day 13	Self Incompatibility
Day 14	Assignment 1
Day 15	Types Of Pollination
Day 16	Structure Of Megasporangium (Ovule)
Day 17	Types Of Ovules
Day 18	Revision Of Ovules

Day 19	Megasporogenesis And Megagametogenesis
Day 20	Development Of Female Gametophytes
Day 21	Test
Day 22	Types Of Female Gametophytes
Day 23	Double Fertilization
Day 24	Endosperm Development And Its Types
Day 25	Biological Importance Of Endosperm
Day 26	Embryogenesis In Dicot And Monocot Plant
Day 27	Polyembryony
Day 28	Assignment 2
Day 29	Polyembryony
Day 30	Oral Test
Day 31	Development Of Seed
Day 32	Structure Of Dicot And Monocot Seed
Day 33	Revision Of Types Of Ovules
Day 34	Fruit Types
Day 35	Test
Day 36	Revision Of Polyembryony
Day 37	Dispersal Mechanism In Fruits And Seeds
Day 38	Dispersal Mechanism In Fruits And Seeds
Day 39	Revision
Day 40	Oral Test
Day 41	Revision
Day 42	Assignment
Day 43	PPT Presentation
Day 44	Revision
Day 45	Revision
Day 46	Introduction Of The Subject (Group I)
Day 47	Flower And It’s Flowering Parts (Group I)

Day 48	Introduction Of The Subject (Group II)
Day 49	Flower And It's Flowering Parts (Group II)
Day 50	Introduction Of The Subject (Group III)
Day 51	Flower And It's Flowering Parts (Group III)
Day 52	Inflorescence – Racemose (Group I)
Day 53	Inflorescence – Cymose (Group I)
Day 54	Inflorescence – Racemose (Group II)
Day 55	Inflorescence – Cymose (Group II)
Day 56	Inflorescence – Racemose (Group III)
Day 57	Inflorescence – Cymose (Group III)
Day 58	Male Reproductive Structure (Group I)
Day 59	Pollen Grain (Group I)
Day 60	Male Reproductive Structure (Group II)
Day 61	Pollen Grain (Group II)
Day 62	Male Reproductive Structure (Group III)
Day 63	Pollen Grain (Group III)
Day 64	Female Reproductive Structure (Group I)
Day 65	Ovule And It's Types (Group I)
Day 66	Female Reproductive Structure (Group II)
Day 67	Ovule And It's Types (Group II)
Day 68	Female Reproductive Structure (Group III)
Day 69	Ovule And It's Types (Group III)
Day 70	Endosperm And It's Types (Group I)
Day 71	Fruit (Type I) (Group I)
Day 72	Endosperm And It's Types (Group II)
Day 73	Fruit (Type I) (Group II)
Day 74	Endosperm And It's Types (Group III)
Day 75	Fruit (Type I) (Group III)
Day 76	Embryo Sac (Group I)

Day 77	Fruit (Type II) (Group I)
Day 78	Embryo Sac (Group II)
Day 79	Fruit (Type II) (Group II)
Day 80	Embryo Sac (Group III)
Day 81	Fruit (Type II) (Group III)
Day 82	Fruit (Type III) (Group I)
Day 83	Fruit (Type IV) (Group I)
Day 84	Fruit (Type III) (Group II)
Day 85	Fruit (Type IV) (Group II)
Day 86	Fruit (Type III) (Group III)
Day 87	Fruit (Type IV) (Group III)
Day 88	Revision
Day 89	Revision
Day 90	Revision

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Name Of The Assistant Professor: Shweta Chaudhary **Class And Section: B.Sc. Medical 2nd Year 4th Sem** **Subject: Biology And Diversity Of Seed Plants (Paper I)**	
Day 1	TOPIC TO BE COVERED
Day 2	Introduction About The Syllabus.
Day 3	Taxonomy And Some Important Terms Related To Taxonomy
Day 4	Fundamental Components Of Taxonomy
Day 5	Aims And Objectives To Study Taxonomy
Day 6	Role Of Chemotaxonomy
Day 7	Role Of Cytotaxonomy
Day 8	Role Of Numerical Taxonomy / Taximetrics
Day 9	Phenogram And Cladogram

Day 10	Nomenclature, Principles And Rules
Day 11	Principle Of Priority
Day 12	Type Concept, Different Types In Taxonomy
Day 13	Test
Day 14	Identification Of Plant, Herbarium Description
Day 15	Keys Of Identifications
Day 16	Systems Of Classification
Day 17	Bentham And Hookers System Of Classification
Day 18	Engler And Prantle System Of Classification
Day 19	Engler And Prantle System Of Classification
Day 20	Description Of Floral Terms
Day 21	Description Of Floral Terms
Day 22	Inflorescence And Its Types
Day 23	Test
Day 24	Explanation About The Various Parts Of Plant
Day 25	Explanation Of Floral Diagram
Day 26	Description Of Ranunculaceae
Day 27	Description Of Brassicaceae
Day 28	Description Of Malvaceae
Day 29	Description Of Euphorbiaceae
Day 30	Description Of Rutaceae
Day 31	Description Of Fabaceae
Day 32	Description Of Cucurbitiaceae
Day 33	Description Of Apiaceae
Day 34	Description Of Asclepediaceae
Day 35	Description Of Lamiaceae
Day 36	Description Of Solanaceae
Day 37	Test
Day 38	Description Of Asteraceae

Day 39	Description Of Liliaceae
Day 40	Test
Day 41	Revision
Day 42	Revision
Day 43	Doubt Session
Day 44	Doubt Session
Day 45	Doubt Session
Day 46	Introduction To Basic Terms Of Plant Taxonomy (Group I)
Day 47	Taxonomic Features *Brassica Napus* (Group I)
Day 48	Introduction To Basic Terms Of Plant Taxonomy (Group II)
Day 49	Taxonomic Features *Brassica Napus* (Group II)
Day 50	Introduction - Basic Terms Of Plant Taxonomy(Group III)
Day 51	Taxonomic Features Of Brassica Napus (Group III)
Day 52	Taxonomic Features Of *Iberis* (Group I
Day 53	Taxonomic Features Of *Ranunculus Scleratus* (Group I)
Day 54	Taxonomic Features Of *Iberis* (Group II)
Day 55	Taxonomic Features Of *Ranunculus Scleratus* (Group II)
Day 56	Taxonomic Features Of *Iberis* (Group III)
Day 57	Taxonomic Features - *Ranunculus Scleratus* (Group III)
Day 58	Taxonomic Features Of *Clematis* (Group I)
Day 59	Taxonomic Features Of *Delphinium* (Group I)
Day 60	Taxonomic Features Of *Clematis* (Group II)
Day 61	Taxonomic Features Of *Delphinium* (Group II)
Day 62	Taxonomic Features Of *Clematis* (Group III)
Day 63	Taxonomic Features Of *Delphinium* (Group III)
Day 64	Taxonomic Features Of *Gossypium* (Group I)
Day 65	Taxonomic Features Of *Hibiscus* (Group I)
Day 66	Taxonomic Features Of *Gossypium* (Group II)
Day 67	Taxonomic Features Of *Hibiscus* (Group II)

Day 68	Taxonomic Features Of *Gossypium* (Group III)
Day 69	Taxonomic Features Of *Hibiscus* (Group III)
Day 70	Taxonomic Features Of *Euphorbia Hirta* (Group I)
Day 71	Taxonomic Features Of *Ricinus* (Group I)
Day 72	Taxonomic Features Of *Euphorbia Hirta* (Group II)
Day 73	Taxonomic Features Of *Ricinus* (Group II)
Day 74	Taxonomic Features Of *Euphorbia Hirta* (Group III)
Day 75	Taxonomic Features Of *Ricinus* (Group III)
Day 76	Taxonomic Features Of *Hevea* (Group I)
Day 77	Taxonomic Features Of *Citrus Lemon* (Group I)
Day 78	Taxonomic Features Of *Hevea* (Group II)
Day 79	Taxonomic Features Of *Citrus Lemon* (Group II)
Day 80	Taxonomic Features Of *Hevea* (Group III)
Day 81	Taxonomic Features Of *Citrus Lemon* (Group III)
Day 82	Taxonomic Features Of *Pisum Sativum, Solanum Nigrum* (Group I)
Day 83	Taxonomic Features Of *Cucurbita Hirta, Coriandrum Sativum* (Group I)
Day 84	Taxonomic Features Of *Pisum Sativum, Solanum Nigrum* (Group II)
Day 85	Taxonomic Features Of *Cucurbita Hirta*, *Coriandrum Sativum* (Group II)
Day 86	Taxonomic Features Of *Pisum Sativum, Solanum Nigrum* (Group III)
Day 87	Taxonomic Features-Cucurbita *Hirta, Coriandrum Sativum* (Group III)
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Assistant Professor:Ms. Neha **Class And Section: B.Sc. Medical 6th Semester** **Subject: Plant Biochemistry And Biotechnology**	
Day 1	Introduction To Biochemistry And Biotechnology
Day 2	Basic Of Enzymology , Definition And Basic Concept
Day 3	Discovery Nomenclature And Characters Of Enzymes
Day 4	Mechanism Of Enzymes,Types,Regulation Of Its Activity Of Enzymes
Day 5	Test And Revision Of Enzymes
Day 6	Introduction To Respiration,RQ Values
Day 7	Substrates, Aerobic And Anaerobic Respiration, Fermentation
Day 8	Mechanism Of Aerobic And Anaerobic Respiration
Day 9	EMP,Pathway,Kerb Cycle
Day 10	ETC, Chemo Osmotic Theory
Day 11	Oxidative Phosphorylation
Day 12	Pentose Phosphate Pathway And Its Significance
Day 13	Factors Affecting Rate Of Respiration
Day 14	ATP Energy Coupling Factor
Day 15	Structure And Function Of ATP
Day 16	Alternative Pathway For Glucose Breakdown
Day 17	Redox Potential And Emp Pathway
Day 18	Doubt And Seminar On Unit First
Day 19	Test Of Topic Covered And Revision Of Respiration
Day 20	Structure And Function Of Lipids
Day 21	Structure Of Fats Glycerol And Fatty Acid
Day 22	Fatty Acid Biosynthesis
Day 23	Alpha And Beta Oxidation And Saturated And Unsaturated Fatty Acid
Day 24	Storage And Metabolism Of Fatty Acid
Day 25	Importance Of Fat Metabolism
Day 26	Nitrogen It's Metabolism And Basic Idea
Day 27	Biology Of Nitrogen Metabolism

Day 28	Importance Of Nitrate Reductase And Nitrogen Cycle
Day 29	Regulation Of Nitrogen Metabolic Pathway And Ammonium Assimilation S Simulation
Day 30	Test Of Lipid An Nitrogen Metabolism/Assignment On Topic Taught
Day 31	DNA Is Structure And Function
Day 32	Introduction To Tool And Technique Of DNA
Day 33	Techniques Of Recombinant DNA Technology
Day 34	Cloning Vectors, Genome And C DNA Library
Day 35	Transposable Elements
Day 36	Plan Tissue Culture Its Application
Day 37	Morphogenesis , Differentiation And Biology Of Agrobacterium
Day 38	Vectors
Day 39	Marker Gene
Day 40	Revision And Assignment On Topic Taught
Day 41	Test And Revision Of Topic Covered
Day 42	Revision Unit 1
Day 43	Revision Unit-2
Day 44	Revision Unit 3
Day 45	Revision Unit 4
Day 46	To Prepare An Experiment To Show Aerobic Respiration
Day 47	To Demonstrate Anaerobic Respiration (Group -1)
Day 48	To Prepare A Experiment To Show Aerobic Respiration
Day 49	To Demonstrate Anaerobic Respiration (Group -2)
Day 50	To Prepare A Experiment To Show Aerobic Respiration
Day 51	To Demonstrate Anaerobic Respiration (Group -3)
Day 52	To Demonstrate That Energy Is Released In The Form Of Heat During Respiration
Day 53	To Perform Colour Test For Reducing Sugar Glucose (Group -1)
Day 54	To Demonstrate That Energy Is Released In The Form Of Heat During Respiration
Day 55	To Perform Colour Test For Reducing Sugar Glucose
Day 56	To Demonstrate That Energy Is Released In The Form Of Heat During Respiration

Day 57	To Perform Colour Test For Reducing Sugar Glucose (Group -3)
Day 58	To Perform Colour Test For Non Reducing Sugar Sucrose
Day 59	To Perform Colour Test To Demonstrate The Presence Of Fat (Group 1)
Day 60	To Perform Colour Test For Non Reducing Sugar Sucrose
Day 61	To Perform Colour Test To Demonstrate The Presence Of Fat (Group 2)
Day 62	To Perform Colour Test For Non Reducing Sugar Sucrose
Day 63	To Perform Colour Test To Demonstrate The Presence Of Fat (Group -3)
Day 64	Revision (Group 1)
Day 65	To Perform Colour Test To Demonstrate The Presence Of Protein
Day 66	Revision (Group -2)
Day 67	To Perform Colour Test To Demonstrate The Presence Of Protein
Day 68	Revision (Group -3)
Day 69	To Perform Colour Test To Demonstrate The Presence Of Protein
Day 70	To Study The Activity Of Enzyme Peroxidase
Day 71	To Prepare Stock Solution Of M.S Media (Group 1)
Day 72	To Study The Activity Of Enzyme Peroxidase
Day 73	To Prepare Stock Solution Of M.S Media (Group 2)
Day 74	To Study The Activity Of Enzyme Peroxidase
Day 75	To Prepare Stock Solution Of M.S Media (Group 3)
Day 76	Revision
Day 77	To Inoculate Seed Of Trigonella And Evaluate The Percentage Of Germination
Day 78	Revision
Day 79	To Inoculate Seed Of Trigonella And Evaluate The Percentage Of Germination
Day 80	Revision
Day 81	To Inoculate Seed Of Trigonella And Evaluate The Percentage Of Germination
Day 82	Preparation Of M.S Medium For Micro Propagation
Day 83	To Produce Haploids Plant By Anther Culture (Group -1)
Day 84	Preparation Of M.S Medium For Micro Propagation
Day 85	To Prepare Haploids Plant By Anther Culture (Group 2)

Day 86	Preparation Of M.S Medium For Micro Propagation
Day 87	To Prepare Haploids Plant By Anther Culture (Group 3)
Day 88	Revision
Day 89	Revision
Day 90	Test

Name Of The Assistant Professor:Ms. Neha
Class And Section: B.Sc.Medical 6 Semester
Subject: Economic Botany

Day 1	Introduction To Economic Botany
Day 2	Vavilov Centre Of Origin Of Crop Plants, Origin Distribution
Day 3	Origin, Distribution And Botanical Description Of Rice
Day 4	Origin, Distribution, Botanical Description Of Maize
Day 5	Origin, Distribution, Botanical Description And Cultivation Of Pea
Day 6	Origin, Distribution, Botanical Description And Cultivation Of Gram
Day 7	Origin, Distribution, Botanical Description And Cultivation Of Arhar
Day 8	Origin, Distribution, Botanical Description And Cultivation Of Potato
Day 9	Origin, Distribution, Botanical Description And Cultivation Of Tomato
Day 10	Origin, Distribution, Botanical Description And Cultivation Of Onion
Day 11	Test Of Wheat, Rice , Maize, Gram, Arhar
Day 12	Assignment On The Above Mentioned Topic
Day 13	Origin, Distribution, Botanical Description And Cultivation Of Groundnut
Day 14	Origin, Distribution, Botanical Description And Cultivation Of Mustard
Day 15	Origin,Distribution, Botanical Description And Cultivation Of Coconut, Sunflower
Day 16	Origin, Distribution, Botanical Description, Processing Cultivation Of Cotton
Day 17	Jute And Flax
Day 18	Revision Of Unit First And 2nd
Day 19	Test Of Unit 1 And 2

Day 20	Morphological Description, Brief Idea Of Cultivation And Uses Of Ferula
Day 21	Morphological Description Brief Idea Of Cultivation And Uses Of Turmeric
Day 22	Morphological Description, Brief Idea Of Cultivation And Uses Of Coriander
Day 23	Morphological Description, Brief Idea Of Cultivation And Uses Of Ginger
Day 24	Morphological Description, Brief Idea Of Cultivation And Uses Of Clove
Day 25	Assignment On Spices
Day 26	Morphological Description,Cultivation And Uses Of Medicinal Plant Cinchona
Day 27	Medicinal Plant Raowolfia, Withania At Atroopa
Day 28	Medicinal Plant Opium, Azadirachta Cannabis
Day 29	Botanical Description, Processing And Uses Of Tea
Day 30	Botanical Description, Processing And Uses Of Coffee
Day 31	Botanical Description, Processing And Uses Of Rubber
Day 32	Test Of Medicinal Plant And Beverages
Day 33	Botanical Description, Processing And Uses Of Sugarcane
Day 34	Assignment On Sugarcane
Day 35	Assignment On Medicinal Plant And Beverage
Day 36	General Account And Source Of Timber
Day 37	Energy Plantation
Day 38	General Account Of Teak, Sal, Shisham
Day 39	Carbon Dating
Day 40	Biofuels
Day 41	Test Of Unit-3
Day 42	Test Of Biofuels
Day 43	Revision
Day 44	Revision On Timber And Biofuels
Day 45	Test Of Unit-4
Day 46	Classification And Economic Importance Of Wheat
Day 47	Classification And Economic Importance Of Rice
Day 48	Classification And Economic Importance Of Maize

Day 49	Revision
Day 50	Classification And Economic Importance Of Gram
Day 51	Classification And Economic Importance Of Pea
Day 52	Classification And Economic Importance Of Pigeon Pea
Day 53	Revision
Day 54	Classification And Economic Importance Of Potato
Day 55	Classification And Economic Importance Of Tomato
Day 56	Classification And Economic Importance Of Onion
Day 57	Revision
Day 58	Classification And Economic Importance Of Groundnut
Day 59	Classification And Economic Importance Of Mustard
Day 60	Classification And Economic Importance Of Coconut
Day 61	Classification And Economic Importance Of Sunflower
Day 62	Revision
Day 63	Classification And Economic Importance Of Coriander
Day 64	Classification And Economic Importance Of Ginger
Day 65	Classification And Economic Importance Of Turmeric
Day 66	Classification And Economic Importance Of Ferula
Day 67	Classification And Economic Importance Of Clove
Day 68	Revision
Day 69	Classification And Economic Importance Of Cotton
Day 70	Classification And Economic Importance Of Jute
Day 71	Classification And Economic Importance Of Flax
Day 72	Revision
Day 73	Classification And Economic Importance Of Atroopa
Day 74	Classification And Economic Importance Of Belladonna
Day 75	Classification And Economic Importance Of Raowolfia
Day 76	Classification And Economic Importance Of Opium
Day 77	Classification And Economic Importance Of Cannabis

Day 78	Classification And Economic Importance Of Withania
Day 79	Classification And Economic Importance Of Neem
Day 80	Revision
Day 81	Classification And Economic Importance Of Tea
Day 82	Classification And Economic Importance Of Coffee
Day 83	Classification And Economic Importance Of Rubber
Day 84	Classification And Economic Importance Of Sugarcane
Day 85	Revision
Day 86	Classification And Economic Importance Of Teak
Day 87	Classification And Economic Importance Of Sal, Shisham
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Dr. Purnima Verma **Class And Section: M.Sc 2 Sem** **Subject: Inorganic Chemistry**	
Day 1	Section-A Basic Of Cft
Day 2	Limitation Of Crystal Field Theory & General Introduction Of Cft
Day 3	Molecular Orbital Theory
Day 4	Molecular Orbital Theory (Octahedral) Part-1
Day 5	Molecular Orbital Theory (Octahedral) Part-2
Day 6	Discussion
Day 7	Molecular Orbital Theory (Tetrahedral) Part-1
Day 8	Molecular Orbital Theory (Tetrahedral) Part-2
Day 9	Discussion
Day 10	Molecular Orbital Theory (Square Planner)) Part-1

Day 11	Molecular Orbital Theory (Square Planner)) Part-2
Day 12	Discussion
Day 13	Pi –Bonding & Mot
Day 14	Revision Of Limitation Of Crystal Field Theory
Day 15	Revision Of Molecular Orbital Theory (Octahedral) & (Tetrahedral)
Day 16	Revision Of Molecular Orbital Theory (Square Planner) & Pi Bonding
Day 17	Doubt Session & Assignment Of Section A Mot
Day 18	Unit Test -1
Day 19	Important Question Discussion
Day 20	Important Question Discussion
Day 21	Section-D Metal Carbonyls
Day 22	Structure And Bonding With Examples
Day 23	Vibrational Spectra Of Metal Carbonyl For Bonding
Day 24	Discussion
Day 25	Structure Elucidation Of Metal Carbonyl
Day 26	Important Reaction Of Metal Carbonyls
Day 27	Discussion
Day 28	Preparation , Bonding Of Metal Carbonyl
Day 29	Structure & Important Reactions Of Metal Transition Metal Nitrosyl
Day 30	Discussion
Day 31	Tertiary Phosphine As Ligands
Day 32	Di Nitrogen & Di Oxygen
Day 33	Revision Of Metal Carbonyls & Structure And Bonding With Examples
Day 34	Revision Of Vibrational Spectra Of Metal Carbonyl For Bonding
Day 35	Revision Of Important Reaction Of Metal Carbonyls & Preparation
Day 36	Revision Of Structure
Day 37	Doubt Session & Assignment Of Section D Di Nitrogen & Di Oxygen
Day 38	Unit Test -2
Day 39	Section C Part-1 Structure & Bonding In Higher Boranes

Day 40	Wade's & Mingo's Rule
Day 41	Carboranes & Metal Carbonyl Cluster
Day 42	Low Nuclearity Carbonyl Cluster & Total Electron Count (Tec)
Day 43	Discussion
Day 44	Part-2 Elementary Theory Of Magneto - Chemistry
Day 45	Guoy's Method For Determination Of Magnetic Susceptibility
Day 46	Discussion
Day 47	Calculation Of Magnetic Moments
Day 48	Magnetic Properties Of Free Ions
Day 49	Discussion
Day 50	Orbital Contribution
Day 51	Effect Of Ligand-Field
Day 52	Discussion
Day 53	Application Of Magneto-Chemistry In Structure Determination
Day 54	Magnetic Exchange Coupling
Day 55	Spin State Cross Over
Day 56	Revision Of Elementary Theory Of Magneto – Chemistry
Day 57	Revision Of Guoy's Method For Determination Of Magnetic Susceptibility
Day 58	Revision Of Magnetic Properties Of Free Ions & Orbital Contribution
Day 59	Revision Of Application Of Magneto-Chemistry In Structure Determination
Day 60	Doubt Session & Assignment
Day 61	Unit Test -3
Day 62	Section B Spectroscopic Ground States
Day 63	Correlation And Spin-Orbit Coupling In Free Ions
Day 64	Discussion
Day 65	Orgel And Tanabe-Sugano Diagrams For Transition Metal Complexes (D1 – D9 States)
Day 66	Calculation Of Dq

Day 67	Discussion
Day 68	B And B Parameters
Day 69	Effect Of Distortion On The D-Orbital Energy Levels.
Day 70	Discussion
Day 71	Structural Evidence From Electronic Spectrum
Day 72	John-Tellar Effect
Day 73	Discussion
Day 74	Spectrochemical And Nephalauxetic Series
Day 75	Charge Transfer Spectra
Day 76	Electronic Spectra Of Molecular Addition Compounds.
Day 77	Revision Of Spectroscopic Ground States
Day 78	Revision Of Correlation And Spin-Orbit Coupling In Free Ions For Ist Series Of Transition Metals
Day 79	Revision Of Orgel And Tanabe-Sugano Diagrams For Transition Metal Complexes (D1 – D9 States)
Day 80	Revision Of Calculation Of Dq & B And B Parameters
Day 81	Revision Of Effect Of Distortion On The D-Orbital Energy Levels & John-Tellar Effect
Day 82	Revision Of Structural Evidence From Electronic Spectrum & Spectrochemical And Nephalauxetic Series
Day 83	Revision Of Charge Transfer Spectra & Electronic Spectra Of Molecular Addition Compounds
Day 84	Doubt Session & Assignment Of Section B Structural Evidence From Electronic Spectrum
Day 85	Mock Test – Inorganic Chemistry
Day 86	Mock Test – Environment Science
Day 87	Revision Section A
Day 88	Revision Section D
Day 89	Revision Section C
Day 90	Revision Section B

Name Of The Professor: Mr. Manisha **Class And Section: M.SC. Iind Year** **Subject: Physical Chemistry**	
Day 1	Classius – Clayperon Equation
Day 2	Law Of Mass Action And Its Thermodynamic Derivation.
Day 3	Third Law Of Thermodynamics (Nernest Heat Theorem
Day 4	Determination Of Absolute Entropy, Unattainability Of Absolute Zero) And Its Limitation
Day 5	Schrodinger Wave Equation For A Particle In A Three Dimensional Box
Day 6	The Concept Of Degeneracy Among Energy Levels For A Particle In Three Dimensional Box.
Day 7	Revesion
Day 8	Test
Day 9	Schrodinger Wave Equation For A Linear Harmonic Oscillator
Day 10	Its Solution By Polynomial Method. Zero Point Energy Of A Particle Possessing Harmonic Motion
Day 11	Its Solution By Polynomial Method. Zero Point Energy Of A Particle Possessing Harmonic Motion And Its Consequence.
Day 12	Its Solution By Polynomial Method. Zero Point Energy Of A Particle Possessing Harmonic Motion And Its Consequence.
Day 13	Schrodinger Wave Equation For Three Dimensional Rigid Rotator,
Day 14	Energy Of Rigid Rotator
Day 15	Revesion
Day 16	Space Quantization;
Day 17	Schrodinger Wave Equation For Hydrogen Atom
Day 18	Separation Of Variable In Polar Spherical Coordinates
Day 19	Separation Of Variable In Polar Spherical Coordinates And Its Solution,
Day 20	Principle, Azimuthal And Magnetic Quantum Numbers
Day 21	The Magnitude Of Their Values, Probability Distribution Function
Day 22	Revesion
Day 23	Doubt

Day 24	Radial Distribution Function And Shape Of Atomic Orbitals (S,P & D). Section
Day 25	Test
Day 26	Phase Diagram For Two Completely Miscible Components Systems. Eutectic Systems,
Day 27	Calculation Of Eutectic Point, Systems Forming Solid Compounds Ax By With Congruent And Incongruent Melting Points
Day 28	Phase Diagram And Thermodynamic Treatment Of Solid Solutions
Day 29	Doubt
Day 30	Revision
Day 31	Chain Reactions: Hydrogen - Bromine Reaction
Day 32	Pyrolysis Of Acetaldehyde, Decomposition Of Ethane.
Day 33	Photochemical Reactions (Hydrogen - Bromine & Hydrogen -Chlorine Reactions).
Day 34	Photochemical Reactions (Hydrogen - Bromine & Hydrogen -Chlorine Reactions).
Day 35	Doubt
Day 36	Test
Day 37	Bromine Reactions), Apparent Activation Energy Of Chain Reactions,
Day 38	Chain Length, Rice- Herzfeld Mechanism Of Organic Molecules Decomposition(Acetaldehyde)
Day 39	Branching Chain Reactions And Explosions (H2 - O2 Reaction).
Day 40	Kinetics Of (One Intermediate) Enzymatic Reaction
Day 41	Michaelis - Menton Treatment, Evaluation Of Michaelis 'S Constant For Enzyme
Day 42	Doubt
Day 43	Revsion
Day 44	Test
Day 45	Substrate Binding By
Day 46	- Burk Plot And Eadie- Hofstae Methods.
Day 47	Competitive And Non-Competitive Inhibition.
Day 48	Calculation Of Eutectic Point, Systems Forming Solid Compounds Ax By With Congruent
Day 49	Thermodynamic Treatment Of Solid Solutons Thermodynamic Treatment Of Solid Solutons
Day 50	Calculation Of Eutectic Point, Systems Forming Solid Compounds Ax By With Congruent

Day 51	Calculation Of Eutectic Point, Systems Forming Calculation Of Eutectic Point, Systems Forming
Day 52	Thermodynamic Treatment Of Solid Solutons
Day 53	Revision
Day 54	Revision
Day 55	Doubt
Day 56	Test
Day 57	Azimuthal And Magnetic Quantum Numbers And The Magnitude Of Their Values, Probability Distribution Function
Day 58	Azimuthal And Magnetic Quantum Numbers And The Magnitude Of Their Values, Probability Distribution Function
Day 59	Azimuthal And Magnetic Quantum Numbers And The Magnitude Of Their Values, Probability Distribution Function
Day 60	Revision
Day 61	Revision
Day 62	Test
Day 63	Thermodynamic Treatment Of Solid Solutons
Day 64	Thermodynamic Treatment Of Solid Solutons
Day 65	Thermodynamic Treatment Of Solid Solutons Thermodynamic Treatment Of Solid Solutons
Day 66	Calculation Of Eutectic Point, Systems Forming Calculation Of Eutectic Point, Systems Forming
Day 67	Ionic Movement Under The Influence Of An Electric Field
Day 68	Mobility Of Ions, Ionic Drift Velocity And Its Relation With Current Density,
Day 69	Einstein Relation Between The Absolute Mobility And Diffusion Coefficient,
Day 70	Revision The Stokes- Einstein Relation
Day 71	The Nernst -Einstein Equation
Day 72	Waldens Rule, The Rate- Process Approach To Ionic Migration
Day 73	The Rate Process Equation For Equivalent Conductivity
Day 74	Total Driving Force For Ionic Transport,

Day 75	Nernst - Planck Flux Equation,
Day 76	Ionic Drift And Diffusion Potential
Day 77	The Onsager Phenomenological Equations.
Day 78	The Basic Equation For The Diffusion,
Day 79	Planck- Henderson Equation For The Diffusion Potential.
Day 80	Revision
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: Ms. Rajni **Class And Section: M.Sc. Chemistry II Semester** **Subject: Organic Chemistry, 16CHE22C3**	
Day 1	Aliphatic Nucleophilic Substtitution Introduction
Day 2	SN2
Day 3	SN1
Day 4	Mixed SN1 And SN2, Sni
Day 5	SN1', SN2'
Day 6	Sni' And SET Mechanisms
Day 7	Neighbouring Group Mechanisms Introduction And Types
Day 8	Neighbouring Group Participation By Sigma And Pi Bonds
Day 9	Anchimeric Assistance
Day 10	Classical And Nonclassical Carbocations, Phenonium Ions
Day 11	Common Carbocation Rearrangements
Day 12	Applications Of NMR Spectroscopy In The Detection Of Carbocations
Day 13	Factors- Reactivity- Effects Of Substrate Structure
Day 14	Attacking Nucleophile, Leaving Group
Day 15	Reaction Medium
Day 16	Ambident Nucleophiles And Regioselectivity
Day 17	Phase Transfer Catalysis.
Day 18	Doubts Of Section -A
Day 19	Assignment
Day 20	Aliphatic Electrophilic Substitution Introduction
Day 21	Bimolecular Mechanisms - SE2
Day 22	Sei. The SE1 Mechanism
Day 23	Electrophilic Substitution Accompained By Double Bond Shifts
Day 24	Factors- Effect Of Substrates, Leaving Group
Day 25	Solvent Polarity On The Reactivity.
Day 26	Aromatic Electrophilic Substitution: The Arenium Ion, Mechanism

Day 27	Orientation And Reactivity, Energy Profile Diagrams
Day 28	Test
Day 29	The Ortho/Para Ratio
Day 30	Ipso Attack
Day 31	Orientation In Ring Systems
Day 32	Orientation In Other Ring Systems Cont.
Day 33	Quantitative Treatment Of Reactivity In Substrates And Electrophiles
Day 34	Diazonium Coupling
Day 35	Vilsmeir Reaction
Day 36	Gattermann-Koch Reaction
Day 37	Aromatic Nucleophilic Substitution: The Arsn1
Day 38	Arsn2
Day 39	Benzyne And SRN1 Mechanisms
Day 40	Reactivity – Effect Of Substrate Structure
Day 41	Leaving Group And Attacking Nucleophile
Day 42	Von Richter Rearrangement
Day 43	Sommelet-Hauser Rearrangement
Day 44	Smiles Rearrangements
Day 45	Assignment
Day 46	Elimination Reactions: The E2 Mechanism
Day 47	E1 Mechanism, E1cb Mechanisms
Day 48	Orientation Of The Double Bond
Day 49	Factors- Reactivity –Effects Of Substrate Structures
Day 50	Attacking Base, The Leaving Group And The Medium
Day 51	Mechanism And Orientation In Pyrolytic Elimination
Day 52	Mechanism And Orientation In Pyrolytic Elimination Cont.
Day 53	Addition To Carbon-Carbon Multiple Bonds Introduction
Day 54	Addition Reactions Involving Electrophiles (Br2)
Day 55	Addition Reactions Involving Electrophiles (Cl2, Hbr)

Day 56	Addition Reactions Involving Electrophiles (BH3)
Day 57	Addition Reactions Involving Nucleophiles
Day 58	Addition Reactions Involving Free Radicals
Day 59	Regio – And Chemoselectivity
Day 60	Orientation And Reactivity, Addition To Cyclopropane Ring
Day 61	Test
Day 62	Hydrogenation Of Double And Triple Bonds
Day 63	Hydrogenation Of Aromatic Rings
Day 64	Hydroboration Oxidation
Day 65	Michael Reaction
Day 66	Sharpless Asymmetric Epoxidation
Day 67	Assignment
Day 68	Aldol
Day 69	Knoevenagel
Day 70	Claisen
Day 71	Mannich
Day 72	Benzoin
Day 73	Perkin
Day 74	Stobbe Reactions
Day 75	Hydrolysis Of Esters
Day 76	Hydrolysis Of Amides,
Day 77	Ammonolysis Of Esters
Day 78	Mechanism Of Metal Hydride Reduction Of Saturated And Unsaturated Carbonyl Compounds, Acids, Esters And Nitriles
Day 79	Mechanism Of Metal Hydride Reduction Of Saturated And Unsaturated Carbonyl Compounds, Acids, Esters And Nitriles
Day 80	Assignment
Day 81	Addition Of Grignard Reagents
Day 82	Organozinc

Day 83	Organolithium Reagents
Day 84	Wittig Reaction
Day 85	Test
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor:Ms.Rajni, Ms. Manisha, Ms. Pooja Khatana **Class And Section:M.Sc.(P) Chemistry** **Subject: General Spectroscopy**	
Day 1	Introduction Of Spectroscopy
Day 2	Electromagnetic Radiation
Day 3	Interaction Of Electromagnetic Radiation With Matter
Day 4	Regions Of The Spectrum
Day 5	Regions Of The Spectrum
Day 6	Resolving Power
Day 7	The Width And Intensity Of Spectral Transitions
Day 8	The Width And Intensity Of Spectral Transitions
Day 9	The Rotation Of Molecules, Rotational Spectra Of Diatomic Molecules
Day 10	Test
Day 11	The Rotation Of Molecules, Rotational Spectra Of Diatomic Molecules
Day 12	The Spectrum Of Non Rigid Rotator, The Effect Of Isotopic Substitutions
Day 13	The Spectrum Of Non Rigid Rotator, The Effect Of Isotopic Substitutions

Day 14	Rotational Spectra Of Linear And Symmetric Top Polyatomic Molecules
Day 15	The Vibrating Diatomic Molecule; Simple Harmonic Vibrations
Day 16	Anharmonicity Of Vibrations, The Diatomic Vibrating Rotator
Day 17	The Interaction Of Rotations And Vibrations The Vibrations Of Polyatomic Molecules
Day 18	Analysis By Infrared Technique
Day 19	Electronic Spectra Of Diatomic Molecules, Vibrational Course Structure
Day 20	Rotational Fine Structure Of Electronic Band
Day 21	The Frank- Condon Principle
Day 22	The Frank- Condon Principle
Day 23	Intensity Of Vibrational-Electronic Band, Dissociation Energy
Day 24	Assignment
Day 25	The Fortrat Diagram.
Day 26	The Fortrat Diagram.
Day 27	Test
Day 28	Revision
Day 29	Electronic Absorption Spectroscopy
Day 30	Energy Levels In Diatomic Molecules
Day 31	Introduction To Electronic Transition
Day 32	Assignment Of Transitions
Day 33	Spectra Of Transition Metal Complexes
Day 34	Spectra Of Transition Metal Complexes
Day 35	Orgel Diagrams
Day 36	Orgel Diagrams
Day 37	Test
Day 38	Nuclear Magnetic Resonance
Day 39	Nuclear Magnetic Resonance
Day 40	Applications Of Spin-Spin Coupling To Structure Alignment Of Inorganic Compounds
Day 41	Applications Of Spin-Spin Coupling To Structure Alignment Of Inorganic Compounds
Day 42	Assignment

Day 43	Evaluation Of Reaction Rates Of Fast Exchange Reactions
Day 44	Evaluation Of Reaction Rates Of Fast Exchange Reactions
Day 45	Revision
Day 46	Test
Day 47	The Double Resonance Technique
Day 48	The Double Resonance Technique
Day 49	Application Of Infra-Red Spectroscopy To The Determination Of Inorganic Compound
Day 50	Application Of Infra-Red Spectroscopy To The Determination Of Inorganic Compound
Day 51	Revision
Day 52	Revision
Day 53	NMR Introduction And Principle
Day 54	NMR Principle
Day 55	Spin Active Nuclei
Day 56	Chemical Shift
Day 57	Chemical Shift Cont.
Day 58	Shielding And Deshielding
Day 59	Shielding And Deshielding Cont.
Day 60	Internal Standards And Solvent
Day 61	Spin-Spin Coupling
Day 62	Equivalent And Non- Equivalent Protons
Day 63	Equivalent And Non- Equivalent Protons Cont.
Day 64	Assignment
Day 65	Factors- Effect Of Changing Solvents
Day 66	Factors- Hydrogen Bonding On Chemical Shifts
Day 67	Anisotropic Effect
Day 68	Test
Day 69	Applications Of NMR In The Structure Elucidation Of Organic Compounds
Day 70	Applications Of NMR In The Structure Elucidation Of Inorganic Compounds
Day 71	Examples Of NMR

Day 72	Principles Of UV
Day 73	Applications Of UV In The Structure Elucidation Of Organic Compounds
Day 74	Applications Of UV In The Structure Elucidation Of Organic Compounds
Day 75	Principles Of IR
Day 76	Applications Of IR In The Structure Elucidation Of Organic Compounds
Day 77	Applications Of IR In The Structure Elucidation Of Organic Compounds
Day 78	Applications Of IR In The Structure Elucidation Of Organic Compounds
Day 79	Applications Of IR In The Structure Elucidation Of Inorganic Compounds
Day 80	Applications Of IR In The Structure Elucidation Of Inorganic Compounds
Day 81	Applications Of IR In The Structure Elucidation Of Inorganic Compounds
Day 82	Doubts
Day 83	Assignment
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of Professor : Dr. Purnima Verma, Dr. Annu Kalra, Ms. Sonia Bisht
Class And Section: M.Sc. Chemistry 2nd Semester
Subject: Environmental Chemistry- I, 16CHE22O1

Day 1	Atmosphere
Day 2	Environmental Segments
Day 3	Environmental Segments
Day 4	Composition Of The Atmosphere
Day 5	Composition Of The Atmosphere
Day 6	Revision Of The Above Topics

Day 7	Earth's Radiation Balance
Day 8	Earth's Radiation Balance
Day 9	Earth's Radiation Balance
Day 10	Particulates, Ions, Radicals And Their Formation, Chemical And Photochemical Reactions In The Atmosphere
Day 11	Particulates, Ions, Radicals And Their Formation, Chemical And Photochemical Reactions In The Atmosphere
Day 12	Revision Of The Above Topics
Day 13	Air Pollution
Day 14	Oxides Of C,N,S And Their Effects
Day 15	Oxides Of C,N,S And Their Effects
Day 16	Acid-Rain
Day 17	Acid-Rain
Day 18	Revision Of The Above Topics
Day 19	Smog Formation
Day 20	Smog Formation
Day 21	Green House Effect
Day 22	Global Warming
Day 23	Global Warming
Day 24	Revision Of The Above Topics
Day 25	Analytical Methods For Measuring Air Pollutants
Day 26	Analytical Methods For Measuring Air Pollutants
Day 27	Continuous Monitoring Instruments
Day 28	Continuous Monitoring Instruments
Day 29	Test Of Unit – I (First Half)
Day 30	Test Of Unit – I (Second Half)
Day 31	Hydrosphere: Chemical Composition Of Water Bodies-Lakes
Day 32	Chemical Composition Of Streams Rivers
Day 33	Chemical Composition Of Sea

Day 34	Hydrological Cycle
Day 35	Hydrological Cycle
Day 36	Revision Of The Above Topics
Day 37	Complexation In Natural And Waste Water
Day 38	Complexation In Natural And Waste Water
Day 39	Microbially Mediated Redox Reactions
Day 40	Microbially Mediated Redox Reactions
Day 41	Water Pollution-Inorganic Pesticides
Day 42	Water Pollution-Inorganic Pesticides
Day 43	Water Pollution-Organic Pesticides
Day 44	Water Pollution-Organic Pesticides
Day 45	Water Pollution-Industrial And Radioactive Materials
Day 46	Water Pollution-Industrial And Radioactive Materials
Day 47	Revision Of Above Topics
Day 48	Oil Spills
Day 49	Oil Pollution
Day 50	Eutrophication
Day 51	Eutrophication
Day 52	Acid-Mine Drainage,
Day 53	Waste Water Treatment
Day 54	Waste Water Treatment
Day 55	Waste Water Treatment
Day 56	Domestic Waste Water Treatment
Day 57	Aerobic And Anaerobic Treatment
Day 58	Aerobic And Anaerobic Treatment
Day 59	Revision Of Above Topics
Day 60	Industrial Waste Water Treatment
Day 61	Industrial Waste Water Treatment
Day 62	Noise Pollution

Day 63	Sources Of Noise Pollution
Day 64	Sources Of Noise Pollution
Day 65	Effect Of Noise Pollution On Human Health
Day 66	Effect Of Noise Pollution On Human Health
Day 67	Mitigation And Control
Day 68	Test Of Unit-Ii (First Half)
Day 69	Test Of Unit-Ii (Second Half)
Day 70	Environmental Toxicology
Day 71	Assignment
Day 72	Discussion Of Assignment Topics
Day 73	Environmental Toxicology
Day 74	Environmental Toxicology
Day 75	Chemical Solutions To Environmental Problems
Day 76	Chemical Solutions To Environmental Problems
Day 77	Sewozo Disaster
Day 78	Sewozo Disaster
Day 79	Biodegradability
Day 80	Biodegradability
Day 81	Principles Of Decomposition
Day 82	Better Industrial Processes
Day 83	Bhopal Gas Tragedy
Day 84	Bhopal Gas Tragedy
Day 85	Chernobyl Disaster
Day 86	Three Mile Island Disaster
Day 87	Test Of Unit-Iii (First Half)
Day 88	Test Of Unit-Iii (Second Half)
Day 89	Revision Of Unit 1 And 2
Day 90	Revision Of Unit 3 And 4

Name Of The Professor: Dr. Annu Kalra **Class And Section: M.Sc (F)Chemistry** **Subject: Inorganic Special-IV (Organotransition Metal Chemistry), 17CHE24GA1**	
Day 1	Introduction And Classification Of Organometallic Compounds
Day 2	Covalent Organometallic Compounds
Day 3	Ionic Organometallic Compounds
Day 4	Electron Deficient Organometallic Compounds
Day 5	Cluster Organometallic Compounds
Day 6	Cluster Organometallic Compounds (Contd.)
Day 7	Alkyls And Aryls Of Transition Metals: Types
Day 8	Test From Above Topics
Day 9	Alkyls And Aryls Of Transition Metals: Types (Contd.)
Day 10	Routes Of Synthesis
Day 11	Routes Of Synthesis (Contd.)
Day 12	Stability And Decomposition Pathways
Day 13	Stability And Decomposition Pathways (Contd.)
Day 14	Organocopper In Organic Synthesis
Day 15	Organocopper In Organic Synthesis (Contd.)
Day 16	Test From Above Topics
Day 17	Transition Metal Π–Complexes With Alkenes
Day 18	Transition Metal Π–Complexes With Alkenes (Contd.)
Day 19	Transition Metal Π–Complexes With Alkenes (Contd.)
Day 20	Transition Metal Π–Complexes With Alkynes
Day 21	Transition Metal Π–Complexes With Alkynes (Contd.)
Day 22	Transition Metal Π–Complexes With Alkynes (Contd.)
Day 23	Transition Metal Π–Complexes With Allyls
Day 24	Transition Metal Π–Complexes With Allyls (Contd.)
Day 25	Transition Metal Π–Complexes With Allyls (Contd.)

Day 26	Transition Metal Π–Complexes With Dienyls (Metallocenes)
Day 27	Transition Metal Π–Complexes With Dienyls (Metallocenes) (Contd.)
Day 28	Test From Above Topics
Day 29	Preparation Of Transition Metal Π–Complexes
Day 30	Preparation Of Transition Metal Π–Complexes (Contd.)
Day 31	Properties Of Transition Metal Π–Complexes
Day 32	Properties Of Transition Metal Π–Complexes (Contd.)
Day 33	Properties Of Transition Metal Π–Complexes (Contd.)
Day 34	Nature Of Bonding And Structural Features
Day 35	Nature Of Bonding And Structural Features (Contd.)
Day 36	Important Reactions Related To Nucleophilic Attack On Ligands
Day 37	Important Reactions Related To Electrophilic Attack On Ligands
Day 38	Important Reactions Related To Organic Synthesis
Day 39	Important Reactions Related To Organic Synthesis (Contd.)
Day 40	Test From Above Topics
Day 41	Introduction To Transition Metal- Carbene Complexes: Fischer Type And Schrock Type Carbene Complexes
Day 42	Synthesis Of Fischer Type Carbene Complexes
Day 43	Reactions Of Fischer Type Carbene Complexes
Day 44	Structure And Bonding Of Fischer Type Carbene Complexes
Day 45	Structure And Bonding Of Fischer Type Carbene Complexes (Contd.)
Day 46	Synthesis Of Schrock Type Carbene Complexes
Day 47	Reactions Of Schrock Type Carbene Complexes
Day 48	Reactions Of Schrock Type Carbene Complexes (Contd.)
Day 49	Test From Above Topics
Day 50	Structure And Bonding Of Schrock Type Carbene Complexes
Day 51	Structure And Bonding Of Schrock Type Carbene Complexes (Contd.)
Day 52	Transition Metal-Carbyne Complexes: Synthesis
Day 53	Transition Metal-Carbyne Complexes: Synthesis (Contd.)

Day 54	Transition Metal-Carbyne Complexes: Reactions
Day 55	Transition Metal-Carbyne Complexes: Reactions (Contd.)
Day 56	Transition Metal-Carbyne Complexes: Structural Features
Day 57	Transition Metal-Carbyne Complexes: Structural Features (Contd.)
Day 58	Transition Metal-Carbyne Complexes: Structural Features (Contd.)
Day 59	Test From Above Topics
Day 60	Fluxionality & Dynamic Equilibria In Compounds Such As Acyclic Alkenes
Day 61	Fluxionality & Dynamic Equilibria In Compounds Such As Acyclic Alkenes (Contd.)
Day 62	Fluxionality & Dynamic Equilibria In Compounds Such As Σ-Bonded Alkenes
Day 63	Fluxionality & Dynamic Equilibria In Compounds Such As Σ-Bonded Alkenes (Contd.)
Day 64	Fluxionality & Dynamic Equilibria In Compounds Such As Π–Bonded Cyclic Alkenes
Day 65	Fluxionality & Dynamic Equilibria In Compounds Such As Π–Bonded Cyclic Alkenes (Contd.)
Day 66	Rotation Of Ligands On Metals
Day 67	Rotation Of Ligands On Metals (Contd.)
Day 68	Ligand Scrambling On Metals
Day 69	Test From Above Topics
Day 70	Ligand Scrambling On Metals (Contd.)
Day 71	Zeigler-Natta Polymerization ; Homogeneous Catalytic Hydrogenation
Day 72	Zeigler-Natta Polymerization ; Homogeneous Catalytic Hydrogenation (Contd.)
Day 73	Alkene Hydrogenation-Wilkinson Catalyst
Day 74	Alkene Hydrogenation-Wilkinson Catalyst (Contd.)
Day 75	Oxidation Of Olefins-Wacker’s Process
Day 76	Oxidation Of Olefins-Wacker’s Process (Contd.)
Day 77	Hydroformylation Of Olefins – The Oxo Process
Day 78	Hydroformylation Of Olefins – The Oxo Process (Contd.)
Day 79	Test From Above Topics
Day 80	Revision Of Section A
Day 81	Revision Of Section A

Day 82	Revision Of Section B
Day 83	Revision Of Section B
Day 84	Revision Of Section C
Day 85	Revision Of Section C
Day 86	Revision Of Section D
Day 87	Revision Of Section D
Day 88	Revision Of Section A And B
Day 89	Revision Of Section C And D
Day 90	Revision Of Full Syllabus

Name Of The Professor:Ms.Pooja Khatana **Class And Section: M.Sc.(F) Chemistry** **Subject: Inorganic Special-V**	
Day 1	Introduction Of Electroanalytical Chemistry
Day 2	Electrons At And Across Interfaces
Day 3	Electro-Chemical And Chemical Reactions
Day 4	Basic Principles
Day 5	Residual Current
Day 6	Migration Current
Day 7	Diffusion Current
Day 8	Limiting Current
Day 9	Saturated Calomel Electrode(SCE)
Day 10	Dropping Mercury Electrode(DME)
Day 11	Revision
Day 12	Ilkovic Equation
Day 13	Koutecky Equation For Diffusion Current
Day 14	Polarographic Waves(Anodic)
Day 15	Polarographic Waves(Cathodic)
Day 16	Half Wave Potentials
Day 17	Oxygen Interference
Day 18	Maxima
Day 19	Maxima
Day 20	Function Of Supporting Electrolyte
Day 21	Revision
Day 22	Test
Day 23	Determination Of Stability Constants Of Complexes (Reversible Systems Only) By D.C.Polarography
Day 24	Determination Of Stability Constants Of Complexes (Reversible Systems Only) By D.C.Polarography

Day 25	Catalytic Hydrogen Wave
Day 26	Principles Of Amperometric Titrations
Day 27	Types Of Titration Curves
Day 28	Apparatus And Techniques
Day 29	Revision
Day 30	Hanging Mercury Drop Electrode
Day 31	Rotating Droping Mercury Electrode
Day 32	Platinum Electrodes(RPE)
Day 33	Gold Electrode
Day 34	Carbon Paste Electrode
Day 35	Glassy Carbon Electrode
Day 36	Graphite Electrode
Day 37	Revision
Day 38	Test
Day 39	Revision Of Section A
Day 40	Revision Of Section B
Day 41	Test
Day 42	Basics Of Polarography (Voltammetry)
Day 43	A.C. Polarography
Day 44	D.C. Polarography
Day 45	Super Imposed A.C. Polarography
Day 46	Voltametry In Quiet Solution With Electrode Other Than Mercury
Day 47	Voltametry In Stirred Solution With Electrode Other Than Mercury
Day 48	Square-Wave Polarography
Day 49	Square-Wave Polarography
Day 50	Revision
Day 51	Pulse Polarography
Day 52	Normal Pulse Polarography
Day 53	Differential Pulse Polarography

Day 54	Chronopotentiometry
Day 55	Chronopotentiometry
Day 56	Chronoamperometry
Day 57	Chronoamperometry
Day 58	Coulometry
Day 59	Coulometry
Day 60	Revision
Day 61	Test
Day 62	Stripping Voltametry
Day 63	Theory Of Anodic Stripping Voltametry
Day 64	Theory Of Anodic Stripping Voltametry
Day 65	Concentration Process
Day 66	Rest Period
Day 67	Stripping Process
Day 68	Cathodic Stripping Voltametry
Day 69	Cathodic Stripping Voltametry
Day 70	Anodic Deposition
Day 71	Anodic Deposition
Day 72	Cathodic Redissolution
Day 73	Cathodic Redissolution
Day 74	Experimental And Applications Of Above System To Inorganic Systems
Day 75	Applications Of Above System To Inorganic Systems
Day 76	Revision
Day 77	Ion Selective Electrodes
Day 78	Principle Of Ion Selective Electrodes
Day 79	Types Of Ion Selective Electrodes
Day 80	Liquid Membrane Electrode
Day 81	Gas Membrane Electrode
Day 82	Solid State Electrode

Day 83	Gas Sensing Electrode
Day 84	Design And Working
Day 85	Theory Of Ion Selective Electrodes
Day 86	Experimental Of ISE To Inorganic Systems
Day 87	Applications Of ISE To Inorganic Systems
Day 88	Revision
Day 89	Test
Day 90	Revision

Name Of The Professor: Ms. Sonia Bisht **Class And Section: M.Sc. (F)Chemistry** **Subject: Inorganic Special-VI**	
Day 1	Biochemical Bases Of Essential Metal Deficient Diseases; Iron
Day 2	Copper Deficiencies And Their Therapies
Day 3	Zinc Deficiencies And Their Therapies
Day 4	Carcinogens And Carcinostatic Agents
Day 5	Zinc In Tumour Growth And Inhibition
Day 6	Anticancer Activity Of Rhodium
Day 7	Anticancer Activity Of Copper
Day 8	Anticancer Activity Of Gold
Day 9	Anticancer Activity Of Selenium
Day 10	Antibacterial Properties Of Metal Complexes
Day 11	Antiviral Properties Of Metal Complexes
Day 12	Polyamino Carboxylic Acids
Day 13	Polyethylene Amines As Chelating Drugs
Day 14	Test Of Unit-I
Day 15	Drugs In Hypo And Hyper Activity Of Thyroids

Day 16	Inorganic Drugs In Dental Carries
Day 17	Clinical Disorders Of Alkali Earth Metals And Their Remedies
Day 18	Clinical Disorders Of Alkaline Earth Metals And Their Remedies
Day 19	Lithium Drugs In Psychiatry
Day 20	Heavy Metals In Biological Systems
Day 21	Toxicity Of Heavy Metals
Day 22	Heavy Metals – And Their Detoxification
Day 23	Role Of Selenium In Biological Systems With Reference To Its Essentiality
Day 24	Role Of Selenium In Biological Systems With Reference To Its Toxicity
Day 25	Mechanism Of Metal Ion Induced Toxicity
Day 26	Revision
Day 27	Mechanism Of Metal Ion Induced Toxicity
Day 28	Assignment -I
Day 29	Interaction Between Orally Administered Drugs And Metal Ions In Gut.
Day 30	Interaction Between Orally Administered Drugs And Metal Ions In Gut.
Day 31	Test Of Unit-Ii
Day 32	Revision
Day 33	Previous Year Paper Discussion
Day 34	Revision
Day 35	Ligand Therapy
Day 36	Ligand Induced Toxicity
Day 37	Ligand Induced Toxicity
Day 38	Interference With Haemoglobin In Oxygen Transport System
Day 39	Interference With Haemoglobin In Oxygen Transport System
Day 40	Beneficial Effects Of Ligand Chelation
Day 41	Beneficial Effects Of Ligand Chelation
Day 42	Carcinogenic Ligands
Day 43	Carcinostatic Ligands
Day 44	Alkylating Agents As Anticancer Drugs

Day 45	Thiosemicarbazones As Anticancer Drugs
Day 46	Macro Cyclic Antibiotic Ligands And Probable Mechanism Of The Drug
Day 47	Antiviral Activity Of Chelating Agents
Day 48	Antiviral Activity Of Chelating Agents
Day 49	Aspirin Chelation
Day 50	Drugs Where Chelation And Therapeutic Activity Are Unrelated
Day 51	Drugs Where Chelation And Therapeutic Activity Are Unrelated
Day 52	Test Of Unit-Iii
Day 53	Revision
Day 54	Vitamins And Their Functions In General
Day 55	Vitamin-A
Day 56	Vitamin-D
Day 57	Vitamin-K
Day 58	Vitamin-E
Day 59	Vitamin-B1,B2,B5
Day 60	Vitamin- B7,B9,B12
Day 61	Vitamin-C
Day 62	Dietary Minerals
Day 63	Calcium & Phosphorus
Day 64	Sodium & Potassium
Day 65	Magnesium & Sulfur
Day 66	Chlorine, Iodine & Fluorine
Day 67	Selenium & Iron
Day 68	Copper And Zinc
Day 69	Assignment-Ii
Day 70	Antioxidants And Their Health Effects
Day 71	Biomineralisation
Day 72	Radio Pharmacology
Day 73	Nuclear Medicines

Day 74	Nuclear Medicines
Day 75	Technetium – 99m
Day 76	Technetium – 99m
Day 77	Gallium Scan
Day 78	Indium Scan
Day 79	Test Of Unit-Iv
Day 80	Revision Of Section A
Day 81	Revision Of Section A
Day 82	Revision Of Section B
Day 83	Revision Of Section B
Day 84	Revision Of Section C
Day 85	Revision Of Section C
Day 86	Revision Of Section D
Day 87	Revision Of Section D
Day 88	Previous Year Paper Discussion
Day 89	Previous Year Paper Discussion
Day 90	Revision Of Full Syllabus

Name Of The Assistant Professor: Dr. Jasvinder Kour **Class And Section: B.Sc. 1st (Biotech.) 2nd Sem.** **Subject: GENETICS (BT-203)**	
Day 1	Syllabus Discussion
Day 2	Historical Developments In The Field Of Genetics
Day 3	Organisms Suitable For Genetic Experimentation And Their Genetic Significance.
Day 4	Organisms Suitable For Genetic Experimentation And Their Genetic Significance.
Day 5	Organisms Suitable For Genetic Experimentation And Their Genetic Significance.

Day 6	Organisms Suitable For Genetic Experimentation And Their Genetic Significance.
Day 7	Mitosis And Meiosis:
Day 8	Control Points In Cell-Cycle Progression In Yeast
Day 9	Role Of Meiosis In Life Cycle
Day 10	Role Of Meiosis In Life Cycle (PP)
Day 11	Mendel's Experimental Design, Monohybrid, Di-Hybrid And Tryhybrid Crosses,
Day 12	Mendel's Experimental Design, Monohybrid, Di-Hybrid And Tryhybrid Crosses (PP)
Day 13	Law Of Segregation & Principle Of Independent Assortment.
Day 14	Verification Of Segregates By Test And Back Cross,
Day 15	Chromosome Theory Of Inheritance, Allelic Interactions: Concept Of Dominance,
Day 16	TEST
Day 17	Chromosome Theory Of Inheritance, Allelic Interactions: Concept Of Dominance,
Day 18	Chromosome Theory Of Inheritance, Allelic Interactions: Concept Of Dominance (PP)
Day 19	Multiple Allele, Pseudoallele, Essential And Lethal Genes,
Day 20	Penetrance And Expressivity.
Day 21	Interaction Producing New Phenotype Complementary Genes
Day 22	Interaction Producing New Phenotype Complementary Genes (PP)
Day 23	Epistasis (Dominant & Recessive)
Day 24	Epistasis (Dominant & Recessive) (PP)
Day 25	Duplicate Genes And Inhibitory Genes.
Day 26	Eukaryotic Nuclear Genome- Nucleotide Sequence Composition –Unique & Repetitive DNA,
Day 27	Satellite DNA. Centromere And Telomere DNA Sequences
Day 28	Satellite DNA. Centromere And Telomere DNA Sequences (PP)
Day 29	Middle Repetitive Sequences- Vntrs & Dinucleotide Repeats
Day 30	Satellite DNA. Centromere And Telomere DNA Sequences (PP)
Day 31	Repetitive Transposed Sequences- Sines & Lines
Day 32	Middle Repetitive Multiple Copy Genes, Noncoding DNA.
Day 33	Genetic Organization Of Prokaryotic And Viral Genome.

Day 34	Genetic Organization Of Prokaryotic And Viral Genome (PP)
Day 35	Structure And Characteristics Of Bacterial And Eukaryotic Chromosome-
Day 36	Structure And Characteristics Of Bacterial And Eukaryotic Chromosome (PP)
Day 37	Test
Day 38	Chromosome Morphology,
Day 39	Concept Of Euchromatin And Heterochromatin, Packaging Of DNA Molecule Into Chromosomes
Day 40	Packaging Of DNA Molecule Into Chromosomes
Day 41	Karyotype
Day 42	Giant Chromosomes
Day 43	One Gene One Polypeptide Hypothesis, Concept Of Cistron
Day 44	Exons, Introns, Genetic Code, Gene Function.
Day 45	TEST
Day 46	Definition And Types Of Mutations, Causes Of Mutations
Day 47	Definition And Types Of Mutations, Causes Of Mutations,
Day 48	Ames Test For Mutagenic Agents
Day 49	Ames Test For Mutagenic Agents
Day 50	Screening Procedures For Isolation Of Mutants And Uses Of Mutants
Day 51	Variations In Chromosomes Structure - Deletion, Duplication, Inversion And
Day 52	Translocation (Reciprocal And Robertsonian),
Day 53	Position Effects Of Gene Expression
Day 54	Chromosomal Aberrations In Human Beings,
Day 55	Chromosomal Aberrations In Human Beings,
Day 56	Abonormalities–Aneuploidy And Euploidy.
Day 57	Mechanisms Of Sex Determination
Day 58	Mechanisms Of Sex Determination
Day 59	Environmental Factors And Sex Determination, Sex Differentiation
Day 60	Differentiation
Day 61	Barr Bodies,

Day 62	Dosage Compensation,
Day 63	Genetic Balance Theory, Fragile-X-Syndrome And Chromosome,
Day 64	Sex Limited Gene Expression.
Day 65	Sex Influenced Dominance
Day 66	Sex Linked Inheritance
Day 67	Molecular Mechanism Of Crossing Over,
Day 68	Molecular Mechanism Of Crossing Over
Day 69	Crossing Over At Four- Strand Stage, Multiple
Day 70	Rules Of Extra Nuclear Inheritance, Maternal Effects, Maternal Inheritance
Day 71	Rules Of Extra Nuclear Inheritance, Maternal Effects, Maternal Inheritance
Day 72	ORAL TEST
Day 73	Cytoplasmic Inheritance, Organelle Heredity,
Day 74	Genomic Imprinting,
Day 75	Inbreeding And Out Breeding,
Day 76	Inbreeding And Out Breeding,
Day 77	Hardy Weinberg Law Assumption, (Prediction,Derivation),
Day 78	- Hardy Weinberg Law Assumption, (Prediction,Derivation),
Day 79	Hardy Weinberg Law Assumption, (Prediction,Derivation),
Day 80	Allelic And Genotype Frequencies,
Day 81	Changes In Allelic Frequencies
Day 82	Systems Of Mating.
Day 83	Systems Of Mating.
Day 84	Evolutionary Genetics, Natural Selection
Day 85	Evolutionary Genetics, Natural Selection
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Assistant Professor: Dr. Jasvinder Kour **Class And Section: B.Sc. Biotech Iind Year 4th Sem.** **Subject: ANIMAL DEVELOPMENTAL BIOLOGY (BT-403)**	
Day 1	Syllabus Discussion
Day 2	Introduction
Day 3	Introduction
Day 4	Definition, Scope & Historical Perspective Of Development Biology
Day 5	Definition, Scope & Historical Perspective Of Development Biology
Day 6	Gametogenesis – Spermatogenesis,
Day 7	Gametogenesis – Spermatogenesis,
Day 8	- Discussion
Day 9	-Doubt Class
Day 10	Gametogenesis – Spermatogenesis,
Day 11	Gametogenesis – Spermatogenesis,
Day 12	Oogenesis
Day 13	Oogenesis
Day 14	Oogenesis
Day 15	Fertilization - Definition
Day 16	Fertilization – Definition
Day 17	Fertilization - Mechanism,
Day 18	Fertilization - Mechanism,
Day 19	Types Of Fertilization. Different Types Of Eggs On The Basis Of Yolk
Day 20	Different Types Of Eggs On The Basis Of Yolk
Day 21	Different Types Of Eggs On The Basis Of Yolk
Day 22	Types Of Fertilization. Different Types Of Eggs On The Basis Of Yolk

Day 23	Different Types Of Eggs On The Basis Of Yolk
Day 24	Different Types Of Eggs On The Basis Of Yolk
Day 25	Cleavage: Definition
Day 26	Cleavage: Types
Day 27	Cleavage: Types
Day 28	Cleavage: Types
Day 29	Patterns & Mechanism Blastulation: Process
Day 30	Patterns & Mechanism Blastulation: Types
Day 31	Patterns & Mechanism Blastulation: Types
Day 32	Patterns & Mechanism Blastulation: Mechanism
Day 33	Patterns & Mechanism Blastulation : Mechanism
Day 34	Gastrulation: Morphogenetic Movements– Epiboly
Day 35	Gastrulation: Morphogenetic Movements– Epiboly
Day 36	Emboly,
Day 37	Emboly,
Day 38	Oral Discussion
Day 39	Oral Discussion
Day 40	Extension
Day 41	Invagination,
Day 42	Convergence,
Day 43	De-Lamination
Day 44	De-Lamination
Day 45	De-Lamination
Day 46	TEST
Day 47	Formation & Differentiation Of Primary Germ Layers
Day 48	Formation & Differentiation Of Primary Germ Layers
Day 49	Formation & Differentiation Of Primary Germ Layers
Day 50	Formation & Differentiation Of Primary Germ Layers
Day 51	Fate Maps In Early Embryos

Day 52	Fate Maps In Early Embryos
Day 53	Fate Maps In Early Embryos
Day 54	Differentiation: Cell Commitment And Determination- The Epigenetic Landscape:
Day 55	Differentiation: Cell Commitment And Determination
Day 56	Differentiation: Cell Commitment And Determination
Day 57	The Epigenetic Landscape
Day 58	The Epigenetic Landscape
Day 59	A Model Of Determination And Differentiation
Day 60	A Model Of Determination And Differentiation
Day 61	Control Of Differentiation At The Level Of Genome
Day 62	TEST
Day 63	TEST Discussion
Day 64	Control Of Differentiation At The Level Of Genome
Day 65	Transcription And Post-Translation Level Concept Of Embryonic Induction
Day 66	Transcription And Post-Translation Level Concept Of Embryonic Induction
Day 67	Primary Embryonic Induction
Day 68	Secondary Embryonic Induction
Day 69	Tertiary Embryonic Induction
Day 70	Tertiary Embryonic Induction
Day 71	Neural Induction And Induction Of Vertebrate Lens
Day 72	Neural Induction And Induction Of Vertebrate Lens
Day 73	Development Of Vertebrate Eye.
Day 74	Development Of Vertebrate Eye.
Day 75	Notogenesis
Day 76	Notogenesis
Day 77	TEST
Day 78	Fate Of Different Primary Germlayers
Day 79	Development Of Behaviour: Constancy
Day 80	- Development Of Behaviour: Constancy

Day 81	- Development Of Behaviour: Plasticity
Day 82	Development Of Behaviour: Plasticity
Day 83	Extra Embryonic Membranes
Day 84	Placenta In Mammals
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Assistant Professor: Dr. Jasvinder Kour **Class And Section: B.Sc. Biotech III Year 6th Sem.** **Subject: PLANT BIOTECHNOLOGY & ENVIRONMENTAL BIOTECHNOLOGY (BT- 604)**	
Day 1	Syllabus Discussion
Day 2	Syllabus Discussion
Day 3	Introduction To I*n Vitro* Methods
Day 4	Introduction To I*n Vitro* Methods
Day 5	Introduction To I*n Vitro* Methods
Day 6	Terms And Definitions.
Day 7	Terms And Definitions.
Day 8	Terms And Definitions.
Day 9	Use Of Growth Regulators.
Day 10	Use Of Growth Regulators
Day 11	Use Of Growth Regulators.

Day 12	Use Of Growth Regulators
Day 13	Embryo Culture,
Day 14	Embryo Culture,
Day 18	Introduction To The Processes Of Embryogenesis
Day 19	Introduction To The Processes Of Embryogenesis
Day 20	TEST
Day 21	Organogenesis And Their Practical Applications.
Day 22	TEST Discussion
Day 23	Organogenesis And Their Practical Applications.
Day 24	Organogenesis And Their Practical Applications.
Day 25	Clonal Multiplication Of Lite Species (Micropropagation) Exillary Bud
Day 26	Clonal Multiplication Of Lite Species (Micropropagation) Exillary Bud
Day 27	Shoot-Tip And Meristem Culture
Day 28	Shoot-Tip And Meristem Culture
Day 29	Haploids And Their Applications,
Day 30	Haploids And Their Applications
Day 31	Somaclonal Variations And Applications.
Day 32	Somaclonal Variations And Applications
Day 33	Endosperm Culture And Production Of Triploids.
Day 34	Endosperm Culture And Production Of Triploids.
Day 35	Single –Cell Suspension Cultures.
Day 36	Single –Cell Suspension Cultures.
Day 37	Introduction To Protoplast Isolation: Principles And Applications
Day 38	Introduction To Protoplast Isolation: Principles And Applications
Day 39	Introduction To Protoplast Isolation: Principles And Applications
Day 40	Introduction To Protoplast Isolation: Principles And Applications
Day 41	TEST
Day 42	TEST Discussion
Day 43	Various Steps In The Regeneration Of Protoplasts.

Day 44	Various Steps In The Regeneration Of Protoplasts.
Day 45	Somatic Hybridization – An Introduction
Day 46	Somatic Hybridization – An Introduction
Day 47	Use Of Markers For Selection Of Hybrid Cells
Day 48	Use Of Markers For Selection Of Hybrid Cells:
Day 49	Use Of Markers For Selection Of Hybrid Cells:
Day 50	Use Of Markers For Selection Of Hybrid Cells:
Day 51	Practical Applications Of Somatic Hybridization (Hybrids Vs Cybrids
Day 52	Practical Applications Of Somatic Hybridization (Hybrids Vs Cybrids
Day 53	Microbiological Quality Of Food
Day 54	Microbiological Quality Of Food
Day 55	Microbiological Quality Of Water
Day 56	Microbiological Quality Of Water
Day 57	Treatment Of Municipal Waste And Industries Effluents.
Day 58	Treatment Of Municipal Waste And Industries Effluents.
Day 59	Treatment Of Municipal Waste And Industries Effluents.
Day 60	Treatment Of Municipal Waste And Industries Effluents.
Day 61	Degradation Of Pesticides And Other Toxic Chemicals By Microorganisms (Bioremediation).
Day 62	Degradation Of Pesticides And Other Toxic Chemicals By Microorganisms (Bioremediation).
Day 63	Degradation Of Pesticides And Other Toxic Chemicals By Microorganisms (Bioremediation).
Day 64	Degradation Of Pesticides And Other Toxic Chemicals By Microorganisms (Bioremediation).
Day 65	Degradation Of Pesticides And Other Toxic Chemicals By Microorganisms (Bioremediation).
Day 66	Thuringiensis Toxin As A Natural Pesticide.
Day 67	Thuringiensis Toxin As A Natural Pesticide.

Day 68	Thuringiensis Toxin As A Natural Pesticide.
Day 69	Thuringiensis Toxin As A Natural Pesticide.
Day 70	Thuringiensis Toxin As A Natural Pesticide.
Day 71	Biological Control Of Other Insects Swarming The Agricultural Fields.
Day 72	Biological Control Of Other Insects Swarming The Agricultural Fields.
Day 73	Biological Control Of Other Insects Swarming The Agricultural Fields.
Day 74	TEST
Day 75	TEST Discussion
Day 76	Enrichment Of Ores By Microorganisms (PP)
Day 77	Enrichment Of Ores By Microorganisms.
Day 78	Biofertilizers,
Day 79	Biofertilizers,
Day 80	Biofertilizers,
Day 81	Nitrogen Fixing Microorganisms Enrich The Soil With Assimilable Nitrogen.
Day 82	Nitrogen Fixing Microorganisms Enrich The Soil With Assimilable Nitrogen
Day 83	Nitrogen Fixing Microorganisms Enrich The Soil With Assimilable Nitrogen.
Day 84	Revision
Day 85	Revision
Day 86	Revision
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Assistant Professor: Dr. Priti **classandsection:B.Sc.1st(Biotech.)2ndsem.** **Subject:Animaldiversity&Economiczoology(BT-204)**	
Day1	Outlineofclassificationofnon-Chordatesuptosubclasses.
Day2	Outlineofclassificationofnon-Chordatesuptosubclasses.
Day3	Coelomata,Acoelomata,
Day4	Coelomata,Acoelomata
Day5	Symmetries
Day6	Protostomes
Day7	Protozoa:Locomotion,Reproduction
Day8	Protozoa:Locomotion,Reproduction
Day9	Evolutionofsex
Day10	Evolutionofsex
Day11	General Featuresandlifehistoryofparamoecium
Day12	General Featuresandlifehistoryofparamoecium
Day13	Practical Life History Of Pila
Day14	General Featuresandlifehistoryofplasmodium.
Day15	General Featuresandlifehistoryofplasmodium.
Day16	Practical Life History Of Plasmodium
Day17	Pathogenicprotozoans
Day18	Porifera:Generalcharacters,Outlineofclassification; Skeleton,Canalsystem
Day19	Practical Of Porifera
Day20	Test
Day21	Assignment
Day22	Practical To Study The Slides Of Plasmodium
Day23	Coelenterata:Generalcharacters,Outlineofclassificationspolymorphism,
Day24	Coelenterata:Generalcharacters,Outlineofclassificationspolymorphism,
Day25	Practical Specimen And Slides Of Coelentrata
Day26	Varioustypesofstingingcells;Metagenesis,
Day27	Coralreefsandtheirformation.

Day28	Coralreefsandtheirformation
Day29	Coralreefsandtheir Formation.
Day30	Platyhelminthes-Generalcharacters;Outlineofclassification
Day31	Practical Of Platyhelminthes
Day32	Pathogenicflatworms
Day33	Platyhelminthes-Parasiticadaptations.
Day34	Parasitic Adaptation
Day35	Importantlarval Forms
Day36	Importantlarvalforms
Day37	Practical To Study The Specimen Of Coelentrata
Day38	Aschelminthes:Generalfeatures,Outlineofclassification,
Day39	Aschelminthes:Generalfeatures,Outlineofclassification,
Day40	Practical Of Slides Of Aschelmenthes
Day41	Aschelminthes:Pathogenicroundwormsandtheirvectorsinrelationtoman
Day42	Aschelminthes:Pathogenicroundwormsandtheirvectorsinrelationtoman
Day43	Pathogenic Roundworms
Day44	Aschelminthes:Parasiteadaptation.
Day45	Test
Day46	Parasitic Adaptation
Day47	Annelida:-Generalfeatures
Day48	Annelida:-Generalfeatures
Day49	Practical To Study The Slides Of Annids
Day50	Outlineofclassification
Day51	Outlineofclassification
Day52	Practical To Study The Specimen Of Annelida
Day53	Coelom
Day54	Metamericsegmentation
Day55	Metameric Segments
Day56	Generalfeaturesandlifehistoryofearthworm

Day57	Generalfeaturesandlifehistoryofearthworm
Day58	Vermicomposting
Day59	Vermicomposting
Day60	Vermicomposting
Day61	Vermicomposting Complete Procedure
Day62	Arthropoda:Generalfeatures
Day63	Arthropoda:Outlineofclassification
Day64	Practical Of Slides Of Arthropoda
Day65	Arthropoda:Larvalformsofcrustacean,
Day66	Respirationinarthropoda
Day67	Detail Study Of Arthropoda
Day68	Metamorphosisininsects
Day69	Socialinsects;Insectvectorsofdiseases
Day70	Practical To Study The Arthropoda Specimens
Day71	Apiculture
Day72	Sericulture
Day73	Sericulture
Day74	Mollusca:Generalfeatures
Day75	Mollusca:Outlineofclassification
Day76	Practical To Study The Specimen Of Mollusca
Day77	Mollusca:Shelldiversity,Torsioningastropoda
Day78	Torsion In Gastropoda
Day79	Practical Of Mollusca Slides
Day80	Lifehistoryofpila.
Day81	Echinodermata:Generalfeatures,Outlineofclassification
Day82	Practical
Day83	Echinodermata:,Lifehistoryofstarfish(Asterias)
Day84	Echinodermata:Larvalforms
Day85	Different Larval Forms

Day86	Hemichordata:Phylogeny
Day87	Hemichordata:Phylogeny
Day88	Assignment
Day89	Hemichordata:Affinitiesofbalanoglossus
Day90	Revision

Name Of The Assistant Professor: Dr. Priti classandsection:B.Sc.2nd(Biotech)4thsem. Subject:Molecularbiology(BT-402)	
Day1	Dnaasgeneticmaterial,Structureofdna,Typesofdna
Day2	Types Of DNA
Day3	Replication Introduction
Day4	Replicationofdnainprokaryotes
Day5	Prokaryotic And Eukaryotic Replication Introduction
Day6	Replicationofdnainprokaryotes
Day7	Replicationofdnaineukaryotes
Day8	Replication Of DNA In Eukaryotes
Day9	Practical Isolation Of DNA FROM Bacterial Cells
Day10	Semiconservativenatureofdnareplication
Day11	Practical Isolation Of DNA From Bacterial Cells
Day12	Bidirectionalreplication
Day13	Dnapolymerases
Day14	Practical Isolation Of DNA From Bacterial Cells
Day15	Practical Isolation And Separation Of DNA
Day16	Thereplicationcomplex
Day17	The Replication Complex
Day18	Preprimimngproteins
Day19	Primosome,Replisome
Day20	Assignment

Day21	Test
Day22	Rollingcirclereplication
Day23	Rolling Circle Replication
Day24	Uniqueaspectsofeukaryoticchromosomereplication
Day25	Fidelityofreplication
Day26	Fidelity Of Replication
Day27	Practical Restriction Digestion Of DNA Sample
Day28	Test
Day29	Practical Restriction Digestion Of DNA Sample
Day30	Assignment
Day31	Dnadamageandrepair
Day32	DNA Damage And Repair Basic Information
Day33	DNA Damage Introduction
Day34	Causesandtypesofdnadamage
Day35	Types Of DNA Damage
Day36	Mechanismofdnarepair:Photoreactivation,Baseexcisionrepair
Day37	Mismatchrepair,Translesionsynthesis,Recombinationalrepair,
Day38	Practical Restriction Digestion Of DNA Sample
Day39	Practical Restriction Digestion Of DNA Sample
Day40	Nonhomologousendjoining.
Day41	Practical Isolation Of Plasmid DNA By Alkaline Method
Day42	Homologousrecombination:Modelsandmechanism
Day43	Homologousrecombination:Modelsandmechanism
Day44	Practical Isolation Of Plasmid DNA By Alkaline Method
Day45	Practical Isolation Of Plasmid DNA By Alkaline Method
Day46	RNA Structureandtypesofrna
Day47	Practical Agrose Gel Electrophoresis Of Genomic DNA
Day48	Transcriptioninprokaryotes
Day49	Transcriptioninprokaryotes

Day50	Practical Agrose Gel Electrophoresis Of Genomic DNA
Day51	Practical Agarose Gel Electrophoresis Of Plasmid DNA
Day52	Prokaryotic RNA Polymerase,Roleofsigmafactor,Promoter
Day53	Introduction Of Promoter
Day54	Initiation,Elongation,Terminationofrnachains
Day55	Transcriptionineukaryotes
Day56	Transcription In Eukaryotes
Day57	Transcription In Eukaryotes
Day58	Eukaryoticrnapolymerases,Transcriptionfactors,Promoters,Enhancers
Day59	Promoters And Enhancers
Day60	Smechanismoftranscriptioninitiationpromoterclearanceandelongation
Day61	Mrnasplicingandprocessing:Processingofpre-Mrna:5'cap Formation
Day62	Practical Preparation Of Restriction Enzyme Digest Of DNA Sample
Day63	Polyadenylation
Day64	Splicing,Rrna,Trnasplicing
Day65	Splicing Mechanism In Detail
Day66	Regulationofgeneexpressioninprokaryotes
Day67	Operonconcept(Inducibleandrepressiblesystem)
Day68	Inducable Operon Concept
Day69	Repressible Operon Concept
Day70	Geneticcodeanditscharacteristics
Day71	Prokaryotic Translation
Day72	Prokaryotictranslation
Day73	Prokaryotictranslation
Day74	All Steps Initiation Elongation And Termination
Day75	Eukaryotic Translation
Day76	Eukaryotictranslation
Day77	Practical Preparation Of Restriction Enzyme Digest Of DNA Samples
Day78	Eukaryotictranslation

Day79	Eukaryotictranslation
Day80	Ribosome Structure
Day81	Ribosome Assembly
Day82	Termination Of Polypeptide Chain
Day83	Termination Of Polypeptide Chain
Day84	Fidelityoftranslation
Day85	Fidelityoftranslation
Day86	Fidelity Of Translation
Day87	Revision
Day88	Revision
Day89	Assignment
Day90	Test

Name of the Assistant/Associate professor:Dr.Priti **Class and section:B.Sc.Biotechiii Year6thsem.** **Subject:Animalbiotechnology (BT-602)**	
Day1	Animalbiotechnology
Day2	Animalbiotechnology-Scope And Importance
Day3	Introductionofanimalbiotechnology
Day4	Introductionofgenetransfermethodsinanimals
Day5	Genetransfermethodsinanimals
Day6	Genetransfermethodsinanimals
Day7	Practical- Sterilization Technique
Day8	Practical- Sterilization Technique
Day9	Genetransfermethodsinanimals–Microinjection
Day10	Genetransfermethodsinanimals–Microinjection
Day11	Genetransfermethodsinanimals–Embryonicstemcellgenetransfer,Retrovirus&Genetransfer.

Day12	Embryonicstemcellgenetransfer
Day13	Embryonicstemcellgenetransfer
Day14	Practical- Detail Explanation Of Contamination In Labs
Day15	Genetransfermethodsinanimals–Retrovirus&Genetransfer.
Day16	Genetransfermethodsinanimals–Retrovirus&Genetransfer.
Day17	Genetransfermethodsinanimals–Retrovirus&Genetransfer.
Day18	Retrovirus&Genetransfer.
Day19	Practical- Contamination And Decontamination Inside The Labs
Day20	Practical- Demonstration Of Lab's Instruments
Day21	Test
Day22	Introductiontotransgenesis
Day23	Introductiontotransgenesis
Day24	Assignment
Day25	Test
Day26	Transgenic Animals- Introduction
Day27	Transgenicanimals–Mice,Cow
Day28	Transgenicanimals–Pig,Sheep
Day29	Transgenicanimals–Goat
Day30	Transgenicanimals–Goat
Day31	Transgenic Birds
Day32	Transgenic Birds
Day33	Introductionofanimaldiseases
Day34	Animaldiseases
Day35	Animaldiseasesneedhelpofbiotechnology
Day36	Animaldiseasesneedhelpofbiotechnology–Foot-And-Mouthdisease
Day37	Practical- Preparation Of Minimal Essential Medium
Day38	Practical- Preparation Of Balanced Salt Solution
Day39	Animaldiseasesneedhelpofbiotechnology–Coccidiosis

Day40	Animaldiseasesneedhelpofbiotechnology–Trypanosomiasis
Day41	Animaldiseasesneedhelpofbiotechnology–Theileriosis.
Day42	Test
Day43	Animal Propagation
Day44	Application And Significance Of Animal Propagation
Day45	Introductionofanimalpropagation
Day46	Introductionofanimalpropagation
Day47	Animalpropagation–Artificialinsemination
Day48	Animalpropagation–Artificialinsemination
Day49	Types And Applications Of Artificial Insemination
Day50	Cloning And Its Types
Day51	Animalpropagation–Animalclones
Day52	Animalpropagation-Embryotransfertechniques
Day53	Animalpropagation-Embryotransfertechniques
Day54	Animalpropagation-Embryotransfertechniques
Day55	Embryo Transfee Technique
Day56	Applications And Risk Associated With ETT
Day57	Introductiontostemcelltechnology
Day58	Applicationsofstemcelltechnology
Day59	Conservationbiology
Day60	Significanceofconservationbiology
Day61	Genetic Modification In Medicine
Day62	Genetic Modification In Medicine
Day63	Introductionofgeneticmodificationinmedicine
Day64	Geneticmodificationinmedicine
Day65	Genetherapy
Day66	Typesofgenetherapy
Day67	Types Of Gene Therapy
Day68	Types Of Gene Therapy

Day69	Typesofgenetherapy
Day70	Vectors In Gene Therapy
Day71	Vectorsingenetherapy
Day72	Viralvectorsingenetherapy
Day73	Types Of Viral Vectors
Day74	Significance
Day75	Viralvectorsingenetherapy
Day76	Non-Viralvectorsingenetherapy
Day77	Non-Viralvectorsingenetherapy
Day78	Applicationsofgenetherapy
Day79	Applications Of Gene Therapy
Day80	Molecular Engineering
Day81	Molecularengineering
Day82	Detail Information Of Molecularengineering
Day83	Humangeneticengineering
Day84	Humangeneticengineering
Day85	Examples Related To Human Genetic Engineering
Day86	Problems Associated With Human Genetic Engineering
Day87	Problems&Ethics.
Day88	Problems&Ethics.
Day89	Revision
Day90	Revision

Name Of The Professor: Dr.Jyoti Kapil & Ms Reeta Kumari **Classandsection: B.Sc Biotech Istyr. Semester II** **Subject:BT201 Biostatistics**	
Day 1	Introduction - Syllabus
Day 2	Algebraic Equation
Day 3	Roots And Coefficients
Day 4	Types Of Data
Day 5	Relation Between Roots And Coefficients
Day 6	Questions Practice
Day 7	Collection Of Data; Primary & Secondary Data
Day 8	Cubic Equation And Its Solutions
Day 9	Questions Practice Of Cubic Equations
Day 10	Classification Representation Of Statistical Data
Day 11	Permutation And Combination
Day 12	Binomial Theorem Of Integers
Day 13	Graphical Representation Of Statisticaldata
Day 14	Questions Practice
Day 15	Questions Practice
Day 16	Measures Of Central Tendency
Day 17	Logarithm And Laws Of Logarithm
Day 18	Questions Practice
Day 19	Measures Of Dispersion
Day 20	Use Of Log Table
Day 21	Test 1
Day 22	Measures Of Skewness
Day 23	Trigonometric Identities
Day 24	Questions Practice
Day 25	Measures Of Kurtosis
Day 26	Matrices
Day 27	Questions Practice

Day 28	Probability - Classical & Axiomatic
Day 29	Elementary Operations Of Matrices
Day 30	Questions Practice
Day 31	Class Test
Day 32	Functions
Day 33	Limit Of Functions
Day 34	Definition Of Probability Theorems On Total Probability
Day 35	Questions Practice
Day 36	Test
Day 37	Compound Probability
Day 38	Derivatives Of Function
Day 39	Chi Square Test For Goodness Of Fit
Day 40	Sums Practice Of Probability
Day 41	Problem Practice
Day 42	Differentiation
Day 43	Elementary Ideas Of Binomial Distributions.
Day 44	Differentiation
Day 45	Question Practice
Day 46	Poisson Distributions.
Day 47	Question Practice
Day 48	Integration
Day 49	Normal Distributions.
Day 50	Significance Of Integration
Day 51	Applications Of Integration
Day 52	Testing Of Hypothesis And Standard Error
Day 53	Question Practice
Day 54	Question Practice
Day 55	Problem/Qs Practice
Day 56	Class Test

Day 57	Revision
Day 58	Methods Of Sampling
Day 59	Applications Of Differentiation
Day 60	Question Practice
Day 61	Large Sample Test And Small Sample Test.
Day 62	Question Practice
Day 63	Application Of Integration
Day 64	T Test -One Tail
Day 65	Question Practice
Day 66	Revision
Day 67	T Test -Two Tail
Day 68	Questions Practice
Day 69	Questions Practice
Day 70	Class Test
Day 71	ANOVA
Day 72	ANOVA
Day 73	Analysis Of Variance(ANOVA)
Day 74	Questions Practice
Day 75	Questions Practice
Day 76	ANOVA
Day 77	Discussion
Day 78	Questions Practice
Day 79	Chi Square Test For Goodness Of Fit Revised
Day 80	Questions Practice
Day 81	Questions Practice
Day 82	Problem /Qs Solving
Day 83	T Test Two Tail
Day 84	Questions Practice
Day 85	Problem /Qs Solving

Day 86	Questions Practice
Day 87	Questions Practice
Day 88	Problem /Qs Solving
Day 89	Discussion
Day 90	Questions Practice

Name Of The Professor:Dr.Jyoti Kapil **Classandsection: B.Sc Biotech 2nd yr. Semester IV** **Subject:BT404MammalianPhysiology**	
Day 1	Syllabus Discussion
Day 2	General Physiology Of Mammals Discussed
Day 3	Digestive System
Day 4	Digestion System Parts
Day 5	Digestion Physiology
Day 6	Digestion Physiology
Day 7	Revision
Day 8	Mechanism Of Digestion
Day 9	Mechanism Of Digestion
Day 10	Functions Of Digestive System
Day 11	Physiology
Day 12	Functions Of Digestive System
Day 13	Enzyme For Digestion
Day 14	Digestion Of Carbohydrates
Day 15	Absorption Of Carbohydrates
Day 16	Mechanism Of Digestion Of Proteins
Day 17	WBC -Pratical
Day 18	Doubts And Discussion
Day 19	Absorption Of Proteins

Day 20	Mechanism Of Digestion Of Lipids
Day 21	Mechanism Of Digestion Of Nucleic Acids
Day 22	Class Test
Day 23	Composition Of Bile
Day 24	Saliva, Pancreatic
Day 25	Gastric, Intestinal Juice
Day 26	Respiration-Physiology
Day 27	Revision
Day 28	Respiratory Systen
Day 29	Exchange Of Gases
Day 30	Transport Of O^2 And CO^2
Day 31	Oxygen Dissociation Curve
Day 32	Chloride Shift, Definitions
Day 33	Respiratory Diseases
Day 34	Doubts And Discussion
Day 35	Composition Of Blood,
Day 36	Plasma Proteins &Their Role
Day 37	Blood Cells
Day 38	Haemopoisis
Day 39	WBC Types
Day 40	Platelet Formation
Day 41	Class Test
Day 42	Mechanism Of Coagulation Of Blood
Day 43	Mechanism Of Working Of Heart
Day 44	Working Of Heart
Day 45	Cardiac Output
Day 46	Cardiac Cycle
Day 47	Heart Muscles
Day 48	Class Test

Day 49	Origin &Conduction Of Heartbeat
Day 50	Structure Of Cardiac, Smooth & Skeletal Muscle
Day 51	ECG
Day 52	RBC Count-Practical
Day 53	Heart Diseases
Day 54	Threshold Stimulus, All Or None Rule
Day 55	Single Muscle Twitch, Muscle Tone
Day 56	Physical, Chemical Mechanism Of Muscle Contraction
Day 57	Doubts And Discussion
Day 58	Electrical Events Of Muscle Contraction
Day 59	WBC Count -Practical
Day 60	Excretion: Modes Of Excretion
Day 61	Ornithine Cycle
Day 62	Structure Of Kidney
Day 63	Kidney Strcture
Day 64	Mechanism Of Urine Formation
Day 65	Practical Discussion
Day 66	Counter Current Mechanism
Day 67	Neurons Strcture
Day 68	Mechanism Of Generation & Propagation Of Nerve Impulse,
Day 69	Nerve Impulse
Day 70	Structure Of Synapse
Day 71	Prsentation
Day 72	Synaptic Conduction, Saltatory Conduction
Day 73	Neurotransmitters Mechanism Of Action Of Hormones (Insulin)
Day 74	Action Of Hormones (Steroids)
Day 75	Prsentation
Day 76	DLC-Practical
Day 77	Harmone Action

Day 78	Class Test
Day 79	Endocrine Glands
Day 80	Hypothalamus, Pituitary
Day 81	Pituitary Gland
Day 82	Class Test
Day 83	Thymus Gland
Day 84	Pineal
Day 85	Hypo & Hyper-Secretions
Day 86	Thyroid, Parathyroid Hormone
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor:Dr.Jyoti Kapil **Class Andsection:B.Sc Biotech 3rd Yr. Semester VI** **Subject:BT603 Bioprocesstechnology**	
Day 1	Syllabus Discussion
Day 2	Introduction
Day 3	Range Of Fermenter
Day 4	Fermentaion Chronology Introduction
Day 5	Range And Chronology
Day 6	Basic Principle Components Of Fermentation Technology
Day 7	Industry Application Of Fermenter
Day 8	Industry Application Of Fermenter
Day 9	Types Of Microbial Culture
Day 10	Growth Kinetics– Batch Culture

Day 11	Growth Kinetics– Fed Batch Culture
Day 12	Growth Kinetics– Continuous Culture
Day 13	Growth Kinetics Derivations
Day 14	Revision
Day 15	Components Of Fermentation Technology
Day 16	Design Of Bioprocess Vessels
Day 17	Significance Of Impeller, ,
Day 18	Sparger;/
Day 19	Baffles
Day 20	Production Vessels
Day 21	Airlift; Cyclone Column Fermenters
Day 22	Packed Tower, Pilot Scale Culture
Day 23	Fermenters -Application In Production Processes
Day 24	Class Test
Day 25	Principles Of Upstream Processing
Day 26	Production And Analysis Of Lactic Acid
Day 27	Analysis Of Lactic Acid
Day 28	Media Preparation
Day 29	Inocula Development
Day 30	Inocula Development
Day 31	Types Of Culture
Day 32	Types Of Culture
Day 33	Sterilization
Day 34	Sterilization
Day 35	Death Kinetics
Day 36	Parts Of Fermenter
Day 37	Revision
Day 38	Production And Analysis Of Ethanol
Day 39	Oxygen Requirement In Bioprocess

Day 40	Mass Transfer Coefficient
Day 41	Mass Transfer Coefficient
Day 42	Factors Affecting Kla
Day 43	Test
Day 44	Factors Affecting Kla
Day 45	Bioprocess Measurement
Day 46	Bioprocess Measurement
Day 47	Control System
Day 48	Control Parameters
Day 49	Practical-Calculation Of Bacterial Growth Curve.
Day 50	Growth Curve
Day 51	Class Test
Day 52	Computer Aided Process Control.
Day 53	Computer Aided Process Control.
Day 54	Fermenter Types
Day 55	Fermenter Types
Day 56	Presentation
Day 57	Downstream Processing
Day 58	Downstream Processing
Day 59	Separation
Day 60	Product Recovery
Day 61	Presentations
Day 62	Practical-Calculation Thermal Death Point (TDP) Of A Microbial Sample.
Day 63	Product Recovery
Day 64	Purification Of Products
Day 65	Packaging
Day 66	Effluent Treatment
Day 67	Presentations
Day 68	Practical-Isolation Of Industrially Important Microorganism From Natural Resource.

Day 69	Effluent Treatment
Day 70	Discussion
Day 71	Amylase Production
Day 72	Lactic Acid Production
Day 73	Presentation
Day 74	Practical-Production And Analysis Of Amylase
Day 75	Single Cell Proteins Production
Day 76	Single Cell Proteins
Day 77	Doubt Class
Day 78	Microbial Products Application
Day 79	Revision
Day 80	Microbial Production Of Ethanol
Day 81	Range Of Bioprocess Technology
Day 82	Chronological Development- Bioprocess Technology
Day 83	Chronological Development
Day 84	Revision
Day 85	SCP Product
Day 86	SCP Product
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of Theprofessor: Ms. Sudha Diwakar **Class And Section: B.Sc Biotech 2nd Sem** **Subject: Organic Chemistry B T-206**	
Day1	Nomenclature Of Alkenes
Day2	Dehydrohalogenation Of Alkyl Halides
Day3	Mechanisms Of Dehydration Of Alcohols
Day4	Paper Chromatography Of Cations
Day5	Paper Chromatography Of Anions
Day6	The Saytzeff Rule,
Day7	Hofmann Elimination
Day8	Paper Chromatography Of Cations
Day9	Physical Properties
Day10	Relative Stabilities Of Alkenes.
Day11	Iodoform From Ethanol (Or Acetone)
Day12	Chemical Reactions Of Alkenes
Day13	Mechanisms Involved In Hydrogenation
Day14	Iodoform From Ethanol (Or Acetone)
Day15	Electrophilic And Free Radical Additions, Markownikoff's Rule
Day16	Free Radical Additions, Markownikoff's Rule
Day17	Revision
Day18	Hydroboration–Oxidation,
Day19	Ozonolysis
Day20	Oxymercuration Reduction
Day21	Hydration, Hydroxylation

Day22	*M*-Dinitrobenzene From Nitrobenzene
Day23	Oxidation With Kmno4
Day24	Revision Of Alkenes
Day25	Nomenclature Of Benzene Derivatives:. Aromatic Nucleus And Side Chain
Day26	Aromaticity: The Huckel Rule, Aromatic Ions, Annulenes Up To 10 Carbon Atoms
Day27	Aromaticity: The Huckel Rule, Aromatic Ions, Annulenes Up To 10 Carbon Atoms
Day28	Practice Of Huckle Rule
Day29	Class Test
Day30	*M*-Dinitrobenzene From Nitrobenzene
Day31	Aromatic, Anti - Aromatic And Non - Aromatic Compounds
Day32	Assignment Given On Aromaticity
Day33	P-Bromoacetanilide From Acetanilide
Day34	Aromatic Electrophilic Substitution • General Pattern Of The Mechanism,
Day35	Mechansim Of Nitration
Day36	P-Bromoacetanilide From Acetanilide
Day37	Mechansim Of Sulphonation
Day38	Mechansim Of Halogination
Day39	Mechansim Of Free Craft Alkylation
Day40	Mechansim Of Free Craft Acylation
Day41	Dibenzalacetone From Acetone And Benzaldehyde
Day42	Energy Profile Diagrams
Day43	Activating , Deactivating Substituents And Orientation
Day44	Revision

Day45	Class Test
Day46	Nomenclature And Classification Of Dienes: Isolated, Conjugated And Cumulated Dienes.
Day 47	Structure Of Butadiene
Day 48	Dibenzalacetone From Acetone And Benzaldehyde
Day 49	Chemical Reactions 1,2 And 1,4 Additions And Diels-Alder Reaction
Day 50	Nomenclature, Structure And Bonding In Alkynes
Day 51	Methods Of Formation
Day 52	Aspirin From Salicylic Acid
Day 53	Chemical Reactions Of Alkynes
Day 54	Acidity Of Alkynes
Day 55	Assignment Given On Dienes
Day 56	Aspirin From Salicylic Acid
Day 57	Mechanism Of Electrophilic Addition Reaction
Day 58	Mechanism Of Nucleophilic Addition Reactions
Day 59	Hydroboration-Oxidation Of Alkynes
Day 60	To Study The Process Of Sublimation Of Camphor
Day 61	Nomenclature And Classes Of Alkyl Halides
Day 62	Methods Of Formation
Day 63	Chemical Reactions
Day 64	Class Test
Day 65	Mechanisms And Stereochemistry Of Nucleophilic Substitution Reactions Of Alkyl Halides SN1 Reactions With Energy Profile Diagrams
Day 66	Mechanisms And Stereochemistry Of Nucleophilic Substitution Reactions Of Alkyl Halides SN1 Reactions With Energy Profile Diagrams
Day 67	Revision

Day 68	Mechanism &Stereochemistry Of Nucleophilic Substitution Rxn Of Alkyl Halides S N 2
Day 69	Mechanism &Stereochemistry Of Nucleophilic Substitution Rxn Of Alkyl Halides S N 2
Day 70	Inorganic Cations And Anions By Paper Chromatography (Pb2+ , Cu2+ , Ca2+ , Ni2+
Day 71	Methods Of Formation Of Alkyl Halide
Day 72	And Reactions Of Aryl Halides, The Additionelimination
Day 73	Revision
Day 74	Methods Of Formation And Reactions Of Aryl Halides, The Additionelimination
Day 75	Elimination-Addition Mechanisms Of Nucleophilic Aromatic Substitution Reactions
Day 76	Class Test
Day 77	Inorganic Cations And Anions By Paper Chromatography (Pb2+ , Cu2+ , Ca2+ , Ni2+
Day 78	Relative Reactivities Of Alkyl Halides Vs Allyl, Vinyl And Aryl Halides.
Day 79	Assignment Given On Aryl Halides
Day 80	Doubt Classs
Day 81	Inorganic Cations And Anions By Paper Chromatography (Pb2+ , Cu2+ , Ca2+ , Ni2+)
Day 82	Chemical Reactions Of Aryl Halides
Day 83	REVISION
Day 84	REVISION
Day 85	Organic Preparation :Iodoform From Iodine Crystal.
Day 86	Organic Preparation Practice
Day 87	Revision
Day 88	Doubt Class
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Ranjana **Class And Section: B.Sc. Biotech II Semester** **Subject: Physical Chemistry, BT-(205)**	
Day 1	Introduction Of Chemical Kinetics
Day 2	Introduction Of Chemical Kinetics
Day 3	Qualitative Analysis Of The Any One Of The Following Inorganic Cations And Anions By Paper Chromatography Pb2+
Day 4	Rate Of Reaction & Rate Equation
Day 5	Rate Of Reaction & Rate Equation
Day 6	Qualitative Analysis Of The Any One Of The Following Inorganic Cations And Anions By Paper Chromatography Pb2+
Day 7	Carnot's Cycles And Its Efficiency
Day 8	Factors Influencing The Rate Of A Reaction Solvent, Light & Catalyst
Day 9	Qualitative Analysis Of The Any One Of The Following Inorganic Cations And Anions By Paper Chromatography Cu2+
Day 10	Factors Influencing The Rate Of A Reaction Solvent, Light & Catalyst
Day 11	Factors Influencing The Rate Of A Reaction On Pressure
Day 12	Qualitative Analysis Of The Any One Of The Following Inorganic Cations And Anions By Paper Chromatography Cu2+
Day 13	Factors Influencing The Rate Of A Reaction On Pressure
Day 14	Order Of A Reaction
Day 15	Qualitative Analysis Of The Any One Of The Following Inorganic Cations And Anions By Paper Chromatography NO3 -
Day 16	Integrated Rate Expression For Zero Order
Day 17	Assignment
Day 18	Integrated Rate Expression For Zero Order
Day 19	Integrated Rate Expression For First Order
Day 20	Integrated Rate Expression For First Order
Day 21	Preparation And Purification Through Crystallization Or Distillation And Ascertaining

	Their Purity Through Melting Point Or Boiling Point
Day 22	Integrated Rate Expression For Second Order Reaction
Day 23	Integrated Rate Expression For Second Order Reaction
Day 24	Preparation And Purification Through Crystallization Iodoform From Ethanol
Day 25	Integrated Rate Expression For Third Order Reaction
Day 26	Integrated Rate Expression For Third Order Reaction
Day 27	M-Dinitrobenzne From Nitrobenzene
Day 28	Half Life Period Of A Reaction
Day 29	Methods Of Determination Of Order Of Reaction
Day 30	M-Dinitrobenzne From Nitrobenzene
Day 31	Test
Day 32	Introduction Kinetics-II - Effect Of Temperature On The Rate Of Reaction
Day 33	Kinetics-II - Effect Of Temperature On The Rate Of Reaction
Day 34	Methods Of Determination Of Order Of Reaction
Day 35	Effect Of Temperature On The Rate Of Reaction
Day 36	P-Bromoacetanilide From Acetanilide
Day 37	Effect Of Temperature On The Rate Of Reaction
Day 38	Arrhenius Equation.
Day 39	P-Bromoacetanilide From Acetanilide
Day 40	Arrhenius Equation
Day 41	Oral Presentation
Day 42	Assignment
Day 43	Theories Of Reaction Rate – Simple Collision Theory For Unimolecular Collision
Day 44	Theories Of Reaction Rate – Simple Collision Theory For Unimolecular Collision.
Day 45	Dibenzalacetone From Acetone And Benzaldehyde
Day 46	Theories Of Reaction Rate – Simple Collision Theory For Reaction Bimolecular
Day 47	Theories Of Reaction Rate – Simple Collision Theory For Reaction Bimolecular
Day 48	Dibenzalacetone From Acetone And Benzaldehyde

Day 49	Transition State Theory Of Bimolecular Reaction
Day 50	Transition State Theory Of Bimolecular Reaction
Day 51	To Study The Process Of Sublimation Of Camphor
Day 52	Discuss On Chemical Kinetics I
Day 53	Discuss On Chemical Kinetics I
Day 54	To Study The Process Of Sublimation Of Camphor
Day 55	Introduction CHEMICAL KINETICS -II
Day 56	CHEMICAL KINETICS -II
Day 57	To Study The Process Of Sublimation Of Phthalic Acid.
Day 58	Introduction Of Electrochemistry & Electrolytic Conduction
Day 59	Introduction Of Electrochemistry & Electrolytic Conduction
Day 60	Test
Day 61	Factors Affecting Electrolytic Conduction
Day 62	Specific Conductance
Day 63	Molar Conductance
Day 64	EquivalentConductance And Relation Among Them.
Day 65	Arrhenius Theory Of Ionization& Ostwald's Dilution Law Debye-Huckel –Onsager's Equation For Strong Electrolytes
Day 66	Debye-Huckel –Onsager's Equation For Strong Electrolytes.
Day 67	EquivalentConductance And Relation Among Them.
Day 68	Debye-Huckel – Onsager's Equation For Strong Electrolytes
Day 69	Doubt Class
Day 70	Debye-Huckel –Onsager's Equation For Strong Electrolytes.

Day 71	Explain Kohlarausch's Law
Day 72	Calculation Of Molar Ionic & Effect OfViscosity Temperature & Pressure On It.
Day 73	Debye-Huckel – Onsager's Equation For Strong Electrolytes
Day 74	Calculation Of Molar Ionic & Effect OfViscosity Temperature & Pressure On It.
Day 75	Application Of Kohlarausch's Law In Calculation Of Conductance Of Weak Electrolytes At Infinite Diloution
Day 76	Application Of Kohlarausch's Law In Calculation Of Conductance Of Weak Electrolytes At Infinite Diloution.
Day 77	Applications Of Conductivity Measurements: Determination Of Degree Of Dissociation
Day 78	Applications Of Conductivity Measurements: Determination Of Degree Of Dissociation
Day 79	Doubt Class
Day 80	TEST
Day 81	Oral Discussion
Day 82	Oral Presentation
Day 83	Determination Of Ka Of Acids Determination Of Solubility Product Of Springly Soluble Salts, Conductometric Titrations.
Day 84	Discussion
Day 85	Determination Of Ka Of Acids Determination Of Solubility Product Of Springly Soluble Salts, Conductometric Titrations
Day 86	Definition Of Ph And Pka, Buffer Solution, Buffer Action.
Day 87	Henderson – Hazel Equation & Buffer Mechanism Of Buffer Action.
Day 88	Revision
Day 89	Test
Day 90	Revision

Name Of The Professor: Ms. Ranjana **Class And Section: B.Sc. Biotech IV Sem** **Subject: Physical Chemistry, BT-(405)**	
Day 1	Introduction Of Second Law Of Thermodynamics.
Day 2	Need For The Law, Different Statements Of The Law.
Day 3	To Determine The CST Of Phenol
Day 4	To Determine The CST Of Phenol
Day 5	Carnot's Cycles And Its Efficiency
Day 6	Carnot's Cycles And Its Efficiency
Day 7	Carnot's Theorm, & Thermodynamics Scale Of Temperature.
Day 8	Concept Of Entropy – Entropy As A State Function
Day 9	Entropy As A Function Of V & T
Day 10	To Determine The CST Of Water System
Day 11	To Determine The CST Of Water System
Day 12	Entropy As A Function Of V & T
Day 13	Entropy As A Function Of P & T.
Day 14	Change
Day 15	Entropy Change In Ideal Gases And Mixing Of Gases.
Day 16	To Determine The Solubility Of Benzoic Acid At Various Temperatures And To Determine The ΔH Of The Dissolution Process
Day 17	To Determine The Solubility Of Benzoic Acid At Various Temperatures And To Determine The ΔH Of The Dissolution Process
Day 18	Entropy As A Criteria Of Spontaneity AndEquilibrium.
Day 19	Introduction Of Third Law Of Thermodynamics
Day 20	Nernst Heat Theorem, Statement Of Concept Of Residual Entropy.

Day 21	Assignment
Day 22	Test
Day 23	Statement Of Concept Of Residual Entropy.
Day 24	Statement Of Concept Of Residual Entropy.
Day 25	Evaluation Of Absolute Entropy From Heat Capacity Data
Day 26	Discussion
Day 27	Gibbs Function (G) And Helmholtz Function (A) As Thermodynamic For Thermodynamic Equilibrium AndSpontaneity
Day 28	Gibbs Function (G) And Helmholtz Function (A) As Thermodynamic Quantities,
Day 29	A & G As Criteria For Thermodynamic Equilibrium AndSpontaneity
Day 30	Discussion
Day 31	Gibbs Function (G) And Helmholtz Function (A) : Advantage Over Entropy Change
Day 32	Variation Of G And A With P, V And T.
Day 33	Variation Of G And A With P, V And T Cont.
Day 34	Revision
Day 35	Test
Day 36	Electrolytic And Galvanic Cells
Day 37	Electrolytic And Galvanic Cells – Reversible Cells
Day 38	Electrolytic And Galvanic Cells – Irreversible Cells
Day 39	Weston Standard Cell
Day 40	To Determine The Enthalpy Of Solution Of Solid Calcium Chloride
Day 41	EMF Of Cell And Its Measurement

Day 42	Assignment
Day 43	Weston Standard Cell
Day 44	Activity And Activity Coefficients
Day 45	Calculation Of Thermodynamic Quantities Of Cell Reaction (ŸG, ŸH & K).
Day 46	Discussion
Day 47	Activity And Activity Coefficients
Day 48	Calculation Of Thermodynamic Quantities Of Cell Reaction (ŸG, ŸH & K).
Day 49	Test
Day 50	Types Of Reversible Electrodes – Metal- Metal Ion Gas Electrode
Day 51	Metal –Insoluble Salt- Anion And Redox Electrodes
Day 52	Doubt Class
Day 53	Types Of Reversible Electrodes – Metal- Metal Ion Gas Electrode
Day 54	Discussion About Redox Electrodes
Day 55	Electrode Reactions, Nernst Equations
Day 56	Derivation Of Cell EMF And Single Electrode Potential
Day 57	Standard Hydrogen Electrode, Reference Electrodes
Day 58	Derivation Of Cell EMF And Single Electrode Potential
Day 59	Discussion About Reference Electrodes
Day 60	Derivation Of Cell EMF And Single Electrode Potential
Day 61	Standard Electrodes Potential, Sign Conventions,
Day 62	Electrochemical Series And Its Applications.
Day 63	Electrochemical Series And Its Applications.

Day 64	Test
Day 65	Concentration Cells With Transference
Day 66	Concentration Cells Without Transference
Day 67	Liquid Junction Potential
Day 68	Application Of EMF Measurement I.E. Valency Of Ions,
Day 69	Solubility Product Activity Coefficient
Day 70	Discussion
Day 71	Oral Presentation
Day 72	Potentiometric Titration (Acid- Base And Redox).
Day 73	Potentiometric Titration (Acid- Base And Redox).
Day 74	Determination Of Ph Using Hydrogen Electrode
Day 75	Quinhydrone Electrode.
Day 76	Quinhydrone Electrode.
Day 77	Determination Of Ph Using Hydrogen Electrode
Day 78	Test
Day 79	Glass Electrode By Potentiometric Methods.
Day 80	Doubt Class
Day 81	Test
Day 82	Revision
Day 83	Oral Presentation
Day 84	Revision
Day 85	Discussion Of Previous Year Question Paper
Day 86	Revision

Day 87	Revision
Day 88	Discussion Of Previous Year Question Paper
Day 89	Discussion Of Previous Year Question Paper
Day 90	Revision

Name Of The Professor: Pinki Rani & Ms. Rreeta Kumari **Class And Section: B.Sc. (Non Med.) Sem.- 2nd** **Subject: Properties Of Matter, Kinetic Theory And Relativity & Electronic Devices**	
Day 1	Elasticity
Day 2	Hook's Law
Day 3	Elastic Constants And Their Relations
Day 4	Numerical Problem On Elasticity And Hook's Law
Day 5	Poisson's Ratio
Day 6	Torsion Of Cylinder
Day 7	Twisting Couple
Day 8	Doubt Class
Day 9	Bending Of Beam
Day 10	Revision
Day 11	Class Test
Day 12	Cantilever And Centrally Loaded Beam
Day 13	Doubt Class Of Unit 1
Day 14	Introduction Of Unit 2: Kinetic Theory Of Gases
Day 15	Law Of Equipartition Of Energy
Day 16	Specific Heat Of Energy
Day 17	Maxwell Distribution Of Speed

Day 18	Numerical Problems
Day 19	Maxwell Distribution Of Velocity
Day 20	Experimental Verification Of Maxwell Laws
Day 21	Presentation
Day 22	Most Probable Speed, Average Speed
Day 23	R.M.S. Speed, Mean Free Path
Day 24	Class Test
Day 25	Brownian Motion
Day 26	Doubt Class
Day 27	Vander Waal's Equations
Day 28	Real Gas And Ideal Gas
Day 29	Doubt Class Of Unit 2
Day 30	Intro Of Unit 3
Day 31	Reference System
Day 32	Gallilean Transformation
Day 33	Gallilean Invariance
Day 34	Conservation Law Of Gallilean Transformation
Day 35	Revision
Day 36	Newtonian Relativity Principle
Day 37	Michelson- Morley Experiment
Day 38	Search For Ether
Day 39	Class Test
Day 40	Lorentz Transformation
Day 41	Length Contraction, Time Dilation
Day 42	Variation Of Mass With Velocity And Mass Energy Equivalence
Day 43	Revision
Day 44	Doubt Class
Day 45	Revision
Day 46	Electromagnetic Induction

Day 47	Growth & Decay
Day 48	Capacitance&Resistance
Day 49	Numerical Problem On Capacitance
Day 50	Poisson's Ratio
Day 51	Torsion Of Cylinder
Day 52	Twisting Couple
Day 53	Doubt Class
Day 54	Bending Of Beam
Day 55	Revision
Day 56	Class Test
Day 57	Cantilever And Centrally Loaded Beam
Day 58	Doubt Class Of Unit 1
Day 59	Introduction Of Unit 2: Kinetic Theory Of Gases
Day 60	Law Of Equipartition Of Energy
Day 61	Specific Heat Of Energy
Day 62	Maxwell Distribution Of Speed
Day 63	Numerical Problems
Day 64	Maxwell Distribution Of Velocity
Day 65	Experimental Verification Of Maxwell Laws
Day 66	Presentation
Day 67	Most Probable Speed, Average Speed
Day 68	R.M.S. Speed, Mean Free Path
Day 69	Class Test
Day 70	Brownian Motion
Day 71	Doubt Class
Day 72	Vander Waal's Equations
Day 73	Real Gas And Ideal Gas
Day 74	Doubt Class Of Unit 2
Day 75	Intro Of Unit 3

Day 76	Reference System
Day 77	Gallilean Transformation
Day 78	Gallilean Invariance
Day 79	Conservation Law Of Gallilean Transformation
Day 80	Revision
Day 81	Newtonian Relativity Principle
Day 82	Michelson- Morley Experiment
Day 83	Search For Ether
Day 84	Class Test
Day 85	Lorentz Transformation
Day 86	Length Contraction, Time Dilation
Day 87	Variation Of Mass With Velocity And Mass Energy Equivalence
Day 88	Revision
Day 89	Doubt Class
Day 90	Revision

Name Of The Professor:Ms. Reeta Kumari Ms. Kajal Bhati **Classandsection:B.Sc.(Non-Med.) 4th Sem** **Subject:Statistical Mechanics (PH03)&Optics 2(PH04)**	
Day 1	Probability
Day 2	Some Probability Consideration
Day 3	Combination Possessing Maximum Probability
Day 4	Numerical Problem
Day 5	Distribution Of Molecules In Two Boxes
Day 6	Case With Weightage
Day 7	Phase Space
Day 8	Doubt Class

Day 9	Microstate And Macro State
Day 10	Revision
Day 11	Class Test
Day 12	Statistical Fluctuations
Day 13	Doubt Class Of Unit 1
Day 14	Introduction Of Unit 2: Postulate Of Statistical Physics
Day 15	Division Of Phase Space
Day 16	Condition Of Equilibrium
Day 17	Thermal Contact
Day 18	Numerical Problem
Day 19	B-Parameter
Day 20	Entropy And Probability
Day 21	Presentation
Day 22	Evaluation Of A And B
Day 23	Bose Einstein Statistics
Day 24	Class Test
Day 25	Application Of B.E Statistics
Day 26	Doubt Class
Day 27	Plank Radiation Law
Day 28	B.E Gas
Day 29	Doubt Class Of Unit 2
Day 30	Intro Of Unit 3
Day 31	Fermi Dirac Statistics
Day 32	M.B Dirac Statistics
Day 33	M.B Law As A Limiting Case Of B.E
Day 34	Degeneracy
Day 35	Revision
Day 36	F.D Gas
Day 37	Electron Gas In A Metal

Day 38	Zero Point Energy
Day 39	Class Test
Day 40	Specific Heat Of Metals
Day 41	Solution Of Specific Heat
Day 42	Specific Energy Of A System
Day 43	Revision
Day 44	Doubt Class
Day 45	Revision
Day 46	Introduction About Syllabus
Day 47	Physics Practical
Day 48	Interference By Division Of Amplitude
Day 49	Colour Of Thin Films
Day 50	Wedge Shaped Film
Day 51	Newtons's Ring
Day 52	Test
Day 53	Michelson's Interferometer
Day 54	Application Of Interferometers
Day 55	Test
Day 56	Fresnel's Diffraction
Day 57	Fresnel's Half Period Zones
Day 58	Zone Plate
Day 59	Diffraction At Straight Edge
Day 60	Rectangular Slit
Day 61	Circular Aperture
Day 62	Fraunhoffer Diffraction
Day 63	One Slit Diffraction
Day 64	Two Slit Diffraction
Day 65	N Slit Diffraction
Day 66	Plane Transmission Grating Spectrum

Day 67	Dispersive Power Of Grating
Day 68	Limit Of Resolution
Day 69	Rayleigh's Criterion
Day 70	Resolving Power Of Telescope
Day 71	Revision
Day 72	Numaericalprcatise
Day 73	Test
Day 74	Resolving Power Of Grating
Day 75	Polarization
Day 76	Double Refraction
Day 77	Polarization By Reflection
Day 78	Polarization By Scattering
Day 79	Malus Law
Day 80	Phenomenon Of Double Refraction
Day 81	Huygen's Wave Theory Of Double Refraction(Normal And Oblique Incidence)
Day 82	Analysis Of Polarization Of Light
Day 83	Nicolprism,Quarter Wave Plate And Half Wave Plate
Day 84	Production And Detection Of Plane Polarisd Light
Day 85	Circularly Polarized Light, Elliptically Polarized Light
Day 86	Optical Activity,Fresnel's Theory Of Rotation
Day 87	Specific Rotation, Polarimeter(Half Shade And Biquartz)
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Pinki Rani, Ms Reeta Kumari **Class And Section: B.Sc. (Non Med.) Sem.- 6th** **Subject-1:- Nuclear Physics, Subject-2: - Atomic, Molecular & Laser Physics**	
Day 1	Introduction Of Nuclear Physics
Day 2	Nuclear Mass And Binding Energy
Day 3	Nuclear Size, Spin, Parity
Day 4	Numerical Problem On Binding Energy And Nuclear Size
Day 5	Magnetic Dipole Moment, Quadrupole Moment
Day 6	Bain Bridge Spectrograph
Day 7	Bain Bridge And Jordon Mass Spectrograph
Day 8	Doubt Class
Day 9	Determination Of Charge By Mosley Law
Day 10	Rutherford Back Scattering
Day 11	Revision
Day 12	Doubt Class Of Unit 1
Day 13	Class Test
Day 14	Introduction Of Unit 2: Interaction Of Charged Particles
Day 15	Alpha Disintegration
Day 16	Range And Struggling Of Alpha Particles
Day 17	Geiger Nuttal Law
Day 18	Numerical Problems
Day 19	Neutrino Hypothesis And Interaction Of Beta Particles
Day 20	Range Of Electrons And Absorption Of Beta Particles
Day 21	Interaction Of Gamma Rays
Day 22	Doubt Class
Day 23	Absorption Of Gamma Rays And Its Application
Day 24	Doubt Class Of Unit 2
Day 25	Class Test
Day 26	Introduction Of Unit 3
Day 27	Nuclear Reactions

Day 28	Elastic And Inelastic Scattering
Day 29	Nuclear Disintegration , Photonuclear Reaction
Day 30	Heavy Ion And Spallation Reaction, Conservation Laws
Day 31	Q- Value And Threshold Reactions
Day 32	Numerical Problems And Doubts
Day 33	Nuclear Reactors, General Aspects Of Reactor Design
Day 34	Nuclear Fission Reactor
Day 35	Nuclear Fusion Reactor
Day 36	Van De Graff Accelerator, Linear Accelerator
Day 37	Class Test
Day 38	Cyclotron And Betatron Accelerator
Day 39	Ionization Chamber, Proportional Counter
Day 40	Geiger Muller Counter
Day 41	Tendem Accelerator
Day 42	Scintillation Counter And Semiconductor Detector
Day 43	Revision
Day 44	Doubt Class
Day 45	Revision
Day 46	Introduction About First Chapter
Day 47	Vector Atom Model
Day 48	Quantum Numbers Associated With Vector Atom Model
Day 49	Penetrating And Non-Penetrating Orbits
Day 50	Spectral Lines In Different Series Of Alkali Metals
Day 51	Spin Orbit Interaction And Doublet Term Separation
Day 52	Spin Orbit Interaction And Doublet Term Separation
Day 53	Coupling Scheme
Day 54	Test
Day 55	Ls Coupling
Day 56	Jj Coupling

Day 57	Assignment
Day 58	Zeeman Effect
Day 59	Normal Zeeman Effect
Day 60	Anomalous Zeeman Effect
Day 61	Zeeman Pattern Of D1 And D2 Lines Of Na Atom
Day 62	Paschen Back Effect Of Single Valance Electron System
Day 63	Weak Field Stark Effect Of Hydrogen Atom
Day 64	Discrete Set Of Electronic Energies Of Molecules
Day 65	Numerical Practice
Day 66	Quantisation Of Vibrational Energies
Day 67	Quantisation Of Rotational Energies
Day 68	Revision
Day 69	Test
Day 70	Raman Effect
Day 71	Stoke's And Anti-Stoke's Lines
Day 72	Main Features Of Laser: Directionality
Day 73	Main Features Of Laser: High Intensity
Day 74	Main Features Of Laser: High Degree Of Coherence
Day 75	Spatial Coherence,Temporal Coherence
Day 76	Main Features Of Laser: High Intensity
Day 77	Main Features Of Laser: High Degree Of Coherence
Day 78	Spatial Coherence,Temporal Coherence
Day 79	Revision
Day 80	Numerical Practice
Day 81	Life Time Of Level, Kinetics Of Optical Absorption
Day 82	Threshold Condition For Laser Emission
Day 83	Laser Pumping
Day 84	He-Ne Laser
Day 85	Ruby Laser

Day 86	Revision
Day 87	Applications Of Laser
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Vandana Kumari **Class : M.Sc. (Mathematics) 4th Sem** **Subject: Inner Product Space And Measure Theory**	
Day 1	Introduction To The Subject
Day 2	Why We Need Inner Product Space
Day 3	SHAHEEDI DIWAS
Day 4	Some Law And Properties Of IPS
Day 5	Schwarz Inequality
Day 6	Hilbert Spaces
Day 7	Examples Of Inner Product Space
Day 8	Exercise Questions
Day 9	Convex Sets
Day 10	Orthogonal Sets
Day 11	Some Theorem On Orthogonality
Day 12	Orthonormal Sets
Day 13	Continued …. Orthonormal Sets
Day 14	Projection Theorem
Day 15	Bessel's Inequality
Day 16	Lp Space
Day 17	Gram Schmidt Orthogonalization Process
Day 18	The Conjugate Space

Day 19	Riesz Representation Theorem
Day 20	The Adjoint Of An Operator
Day 21	Self Adjoint Operator
Day 22	Properties Of Self Adjoint
Day 23	Positive Operator
Day 24	Normal Operator
Day 25	Properties Of Normal Operator
Day 26	Unitary Operator
Day 27	Projection
Day 28	Perpendicular Projection
Day 29	Reduction Of An Operator
Day 30	Reflexivity Of Hilbert Spaces
Day 31	Every Hilbert Space Is Reflexive
Day 32	Exercise Question
Day 33	Metrically Equivalent Operators
Day 34	Some Theorems
Day 35	Theorem On Normal Operator
Day 36	Doubt Class
Day 37	Test
Day 38	Spectral Theorem
Day 39	Convex Function
Day 40	Measure Space
Day 41	Signed Measure
Day 42	Set Function
Day 43	Positive Set
Day 44	Hahn Lemma
Day 45	Hahn Decomposition Theorem
Day 46	Positive And Negative Decomposition
Day 47	Jordan Decomposition

Day 48	Radon Nikodym Theorem
Day 49	Doubt Class
Day 50	Test
Day 51	Lebesgue Decomposition Theorem
Day 52	Lebesgue Stieltjes Integral
Day 53	Baire Measure
Day 54	Continuous Function With Compact Support
Day 55	Regularity Of Measure
Day 56	Riesz Markov Theorem
Day 57	Fubini Theorem
Day 58	Doubt Class
Day 59	Test
Day 60	Quasi Measure
Day 61	Revision Of Chapter 1
Day 62	Revision Of Chapter 1
Day 63	Revision Of Chapter 1
Day 64	Previous Year Question Paper
Day 65	Revision Of Chapter 2
Day 66	Revision Of Chapter 2
Day 67	Revision Of Chapter 2
Day 68	Doubt Class
Day 69	Test
Day 70	Previous Year Question Discussion
Day 71	Previous Year Question
Day 72	Revision Of Chapter 3
Day 73	Revision Of Chapter 3
Day 74	Revision Of Chapter 3
Day 75	Doubt Class
Day 76	Previous Year Question

Day 77	Test
Day 78	Revision Of Chapter 4
Day 79	Reavision Of Chapter 4
Day 80	Revision Of Chapter 4
Day 81	Doubt Class
Day 82	Test
Day 83	Previous Year Question Discussion Of Unit-1
Day 84	Doubt Class
Day 85	Previous Year Question Discussion Of Unit- 2
Day 86	Doubt Class
Day 87	Previous Year Question Discussion Of Unit- 3
Day 88	Doubt Class
Day 89	Previous Year Question Discussion Of Unit-4
Day 90	Doubt Class

Name Of The Professor: Dr. Sonam Ahuja **Class And Section: M.Sc (Maths) 2nd Sem** **Subject: Theory Of Field Extension**	
Day 1	Intro To Unit 1
Day 2	Field Extension & Their Properties
Day 3	Simple Extensions
Day 4	Algebraic & Trancedental Extensions
Day 5	Related Theorems
Day 6	Factorization Of Polynomials
Day 7	Splitting Fields
Day 8	Related Theorems
Day 9	Numericals
Day 10	Numericals
Day 11	Algebraically Closed Fields
Day 12	Seperable Extensions
Day 13	Related Theorems
Day 14	Perfect Fields
Day 15	Related Theorems
Day 16	Numericals
Day 17	Doubt Session Of Unit 1
Day 18	Intro To Unit 2
Day 19	Galios Theory
Day 20	Automorphism Of Fields
Day 21	Related Theorems
Day 22	Monomorphisms And Their Linear Independence
Day 23	Related Theorems
Day 24	Numericals
Day 25	Numericals

Day 26	Related Theorems
Day 27	Fixed Fields
Day 28	Normal Extension
Day 29	Related Theorems
Day 30	Normal Closure Of An Extension
Day 31	Test Of Unit 1
Day 32	Numericals
Day 33	Numericals
Day 34	The Fundamental Theorem Of Galios Theory
Day 35	Norms & Traces
Day 36	Related Theorems
Day 37	Doubt Session Of Unit 2
Day 38	Doubt Session Of Unit 2
Day 39	Intro To Unit 3
Day 40	Normal Basis
Day 41	Galios Fields
Day 42	Related Theorems
Day 43	Cyclotomic Extensions
Day 44	Related Theorems
Day 45	Cyclotomic Polynomials
Day 46	Related Theorems
Day 47	Cyclotomic Exrensions Of Rational Number Field
Day 48	Numericals
Day 49	Numericals
Day 50	Cyclic Extension
Day 51	Related Theorems
Day 52	Test Of Unit 2
Day 53	Wedderburn Theorem
Day 54	Doubt Session Of Unit 3

Day 55	Intro To Unit 4
Day 56	Ruler And Compasses Construction
Day 57	Solutions By Radicals
Day 58	Numericals
Day 59	Extensions By Radicals
Day 60	Generic Polynomial
Day 61	Numericals
Day 62	Numericals
Day 63	Algebraically Independent Sets
Day 64	Related Theorems
Day 65	Related Theorems
Day 66	Insolvability Of The General Polynomial Of Degree N>=5
Day 67	Test Of Unit 3
Day 68	Numericals
Day 69	Doubt Session Of Unit 4
Day 70	Revision
Day 71	Revision
Day 72	Assignment
Day 73	Doubt Session
Day 74	Doubt Session
Day 75	Revision
Day 76	Revision
Day 77	Revision
Day 78	Revision
Day 79	Revision
Day 80	Test Of Unit 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. Sonam Ahuja **Class And Section: M.Sc (Maths) 1st Sem** **Subject: Operations Research Techniques**	
Day 1	Introduction Of Operational Research
Day 2	Origin, Definition And Scope
Day 3	Linear Programming
Day 4	Formulation Of Linear Programming
Day 5	Graphical Method
Day 6	Numericals Based On Graphical Method
Day 7	Numericals Based On Graphical Method
Day 8	Simplex Method
Day 9	Numericals On Simplex Method
Day 10	Numericals On Simplex Method
Day 11	Big -M Method
Day 12	Numericals On Big-M Method
Day 13	Numericals On Big-M Method
Day 14	Two-Phase Method
Day 15	Numericals On Two Phase Method

Day 16	Numericals On Two Phase Method
Day 17	Degeneracy
Day 18	Duality In Linear Programming
Day 19	Related Problems
Day 20	Doubt Session Of Unit 1
Day 21	Intro To Unit 2
Day 22	Transportation Problems
Day 23	Basic Feasible Solutions
Day 24	Numericals
Day 25	Numericals
Day 26	Optimum Solution By Stepping Stone Method
Day 27	Modified Distribution Methods
Day 28	Unbalanced And Degenerate Problems
Day 29	Transhipment Problem
Day 30	Numericals
Day 31	Assignment Problems
Day 32	Hungarian Method
Day 33	Numericals
Day 34	Unbalanced Problem
Day 35	Numericals
Day 36	Case Of Maximization
Day 37	Related Numericals
Day 38	Test Of Unit 1
Day 39	Travelling Salesman Problems
Day 40	Crew Assignment Problems
Day 41	Numericals
Day 42	Doubt Session Of Unit 2
Day 43	Intro To Unit 3
Day 44	Concepts Of Stochastic Processes

Day 45	Numericals
Day 46	Poisson Process
Day 47	Numericals
Day 48	Birth-Death Process
Day 49	Numericals
Day 50	Test Of Unit 2
Day 51	Queuing Models
Day 52	Basic Components Of A Queuing System
Day 53	Numericals
Day 54	Steady-State Solution
Day 55	Markovian Queuing Models With Single Server
Day 56	Markovian Queuing Models With Multiple Servers
Day 57	M/M/1, M/M/C
Day 58	M/M/1/K, M/MC/K
Day 59	Doubt Session Of Unit 3
Day 60	Intro To Unit 4
Day 61	Inventory Control Models
Day 62	Numericals
Day 63	Economic Order Quantity Model
Day 64	EOQ Model With Uniform Demand
Day 65	Assignment
Day 66	EOQ Model When Shortages Are Allowed
Day 67	EOQ With Uniform Replenishment
Day 68	Inventory Control With Price Breaks
Day 69	Test Of Unit 3
Day 70	Game Theory
Day 71	Two Person Zero Sum Game
Day 72	Game With Saddle Points
Day 73	The Rule Of Dominance

Day 74	Algebraic Method For Solving Mixed Strategy Games
Day 75	Graphical Method
Day 76	Linear Programming Method
Day 77	Numericals
Day 78	Numericals
Day 79	Doubt Session Of Unit 4
Day 80	Revision
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. Sonam Ahuja **Class And Section: M.Sc (Maths) 4th Sem** **Subject: Algebraic Number Theory**	
Day 1	Intro To Algebraic Numbers
Day 2	Unit 1: Gaussian Integers And Its Properties
Day 3	Primes & Fundamental Theorem In The Ring Of Gaussian Integers
Day 4	Integers And Fundamental Theorem In Q(I)
Day 5	Division Algorithm In Q(I)
Day 6	Integers And Fundamental Theorem In Q(W) Where W^3 =1
Day 7	Division Algorithm In Q(W)
Day 8	Algebraic Fields
Day 9	Primitive Polynomials Q(√M)
Day 10	The General Quadratic Field Q(√M)
Day 11	Related Theorems
Day 12	Units Of Q(√2)
Day 13	Fields In Which Fundamental Theorem Is False
Day 14	Numericals
Day 15	Real And Complex Euclidean Fields
Day 16	Topic Continued
Day 17	Fermat Theorem In The Ring Of Gaussian Integers
Day 18	Numericals
Day 19	Primes Of Q(√2) And Q(√5)
Day 20	Related Theorems
Day 21	Topic Continued
Day 22	Doubt Session Of Unit 1
Day 23	Doubt Session Of Unit 1
Day 24	Unit 2: Countability Of Set Of Algebraic Numbers
Day 25	Topic Continued
Day 26	Liouville Theorem And Its Generalizations

Day 27	Topic Continued
Day 28	Trancedental Numbers
Day 29	Algebraic Number Fields
Day 30	Test Of Unit 1
Day 31	Topic Continued
Day 32	Liouville Theorem Of Primitive Elements
Day 33	Ring Of Algebraic Integers
Day 34	Topic Continued
Day 35	Theorem Of Primitive Elements
Day 36	Numericals
Day 37	Doubt Session Of Unit 2
Day 38	Doubt Session Of Unit 2
Day 39	Intro To Unit 3
Day 40	Norm And Trace Of An Algebraic Number
Day 41	Non Degeneracy Of Bilinear Pairing
Day 42	Existence Of An Integral Basis
Day 43	Topic Continued
Day 44	Numericals
Day 45	Assignment Of Unit 1 & Unit 2
Day 46	Discriminant Of An Algebraic Number Field
Day 47	Test Of Unit 2
Day 48	Ideals In The Ring Of Algebraic Integers
Day 49	Topic Continued
Day 50	Explicit Construction Of Integral Basis
Day 51	Sign Of The Discriminant
Day 52	Cyclotomic Fields
Day 53	Topic Continued
Day 54	Calculation Of Quadratic And Cubic Cases
Day 55	Doubt Session Of Unit 3

Day 56	Doubt Session Of Unit 3
Day 57	Intro To Unit 4
Day 58	Unit 4: Integral Closure
Day 59	Noetherian Ring
Day 60	Topic Continued
Day 61	Characterizing Dedekind Domains
Day 62	Fractional Ideals And Unique Factorization
Day 63	G.C.D And L.C.M Of Ideals
Day 64	Topic Continued
Day 65	Chinese Remainder Theorem
Day 66	Dedekind Theorem
Day 67	Topic Continued
Day 68	Test Of Unit 3
Day 69	Numericals
Day 70	Numericals
Day 71	Ramified And Unramified Extensions
Day 72	Different Of An Algebraic Number Field
Day 73	Topics Revision
Day 74	Factorization In The Ring Of Algebraic Integers
Day 75	Doubt Session Of Unit 4
Day 76	Doubt Session Of Unit 4
Day 77	Revision
Day 78	Revision
Day 79	Assignment Of Unit 2 & Unit 3
Day 80	Test Of Unit 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. Nupur Srivastava **Class And Section: M.Sc (Maths) 2nd Sem** **Subject: Measure And Integration Theory**	
Day 1	Introduction Of Subject
Day 2	Set Function
Day 3	Elementary Operation On Meadure
Day 4	Measurable Sets
Day 5	Revision
Day 6	Revision
Day 7	Doubt Class
Day 8	Test
Day 9	Fundamental Properties Of measurable Sets
Day 10	Lebesgue Measure
Day 11	Alzebra Of Measurable Sets
Day 12	Botel Sets
Day 13	Equivalent formulation Of Measurable Sets
Day 14	Revision
Day 15	Revision
Day 16	Doubt Class
Day 17	Test
Day 18	Closed Sets

Day 19	Non measurable Sets
Day 20	Measurable Function
Day 21	Equivalent Formulation
Day 22	Doubt Class
Day 23	Revision
Day 24	Test
Day 25	Properties Of Measurable Functions
Day 26	Approximation Of Measurable Functions
Day 27	Convergence In Measure
Day 28	Short Comings Of Riemann Integral
Day 29	Revision
Day 30	Revision
Day 31	Doubt Class
Day 32	Test
Day 33	Lebesgue Theorem
Day 34	Monotonic Convergence Theorem
Day 35	Revision
Day 36	Revision
Day 37	Assignment Discussion
Day 38	Presentation
Day 39	Test
Day 40	Vitali convergeNce Lemma
Day 41	Differentiation Of Monotonic Function
Day 42	Function Of Bounded Variation
Day 43	Revision
Day 44	Revision
Day 45	Test
Day 46	Doubt Class
Day 47	Difference Of Indefinite Integral

Day 48	Problems
Day 49	Problems
Day 50	Presentation
Day 51	Doubts
Day 52	Test
Day 53	Absolutely continuous Function
Day 54	Properties Of Functions
Day 55	Theorem
Day 56	Theorem
Day 57	Problems
Day 58	Problems
Day 59	Doubt Class
Day 60	Revision
Day 61	Test
Day 62	Revision
Day 63	Test
Day 64	Group Disscusion
Day 65	Group Disscusion
Day 66	Test
Day 67	Revision
Day 68	Revision
Day 69	Revision
Day 70	Theorem
Day 71	Theorem
Day 72	Problems
Day 73	Problems
Day 74	Presentation
Day 75	Doubt Class
Day 76	Test

Day 77	Test
Day 78	Properties Of Functions
Day 79	Naming Theorem
Day 80	Lemma
Day 81	Doubt Class
Day 82	Revision
Day 83	Revision
Day 84	Test
Day 85	Doubt Class
Day 86	Doubt Class
Day 87	Question Paper Discussion
Day 88	Question Paper Discussion
Day 89	Question Paper Discussion
Day 90	Doubt Class

Name Of The Professor: Dr. Nupur Srivastava **Class And Section: M.Sc (Mathematics) 4th Semester** **Subject: Viscous Fluid Dynamics**	
Day 1	Introduction Of Subject
Day 2	Vortices In Two Dimensional
Day 3	Vortex Doublet
Day 4	Doubt Class
Day 5	Doubt Class
Day 6	Test
Day 7	Images, Motion Due To Vortices
Day 8	Single And Double Rows Vortices
Day 9	Doubt Class
Day 10	Doubt Class
Day 11	Test
Day 12	Revision
Day 13	Karman Vortex Street
Day 14	Wave Equation In A Gas
Day 15	Subsonic Sonic And Supersonic Flow
Day 16	Revision
Day 17	Revision
Day 18	Presentation
Day 19	Test
Day 20	Equation Of Motion Of Gas
Day 21	Doubt Clasd
Day 22	Flow Through Nozel
Day 23	Stress componenTs Relation Between Cartesian Components Of Stress
Day 24	Revision
Day 25	Revision
Day 26	Test
Day 27	Test

Day 28	Doubt Class
Day 29	Translation Motion Of Fluid Elements Rate Of Strain
Day 30	Transformation Of Rates Of Strain
Day 31	Relation Between Stress And Rates Of Strain
Day 32	Doubt Class
Day 33	Doubt Class
Day 34	Test
Day 35	Coefficient Of Viscosity And Laminar Flow
Day 36	Newtonian And Non Newtonian Fluids
Day 37	Test
Day 38	Test
Day 39	Revision
Day 40	Revision
Day 41	Doubt Class
Day 42	Navier Stoke Equation Of Motion
Day 43	Equation Of Motion In cylindrical And Polar Co Ordinate
Day 44	Revision
Day 45	Revision
Day 46	Doubt Class
Day 47	Doubt Class
Day 48	Test
Day 49	Equation Of Energy
Day 50	Diffusion Of Vortices
Day 51	Energy Dissipation Due To Viscosity
Day 52	Equation Of State
Day 53	Revision
Day 54	Revision
Day 55	Test
Day 56	Palne Priscilla And Country Flow Between Two Parallel Planes

Day 57	Theory Of Lubricant
Day 58	Revision
Day 59	Revision
Day 60	Test
Day 61	Steady Flow Between Coaxial Circulatar cylinderS
Day 62	Flow Through Tubes Of Uniform ellepTic And Equilateral Triangulular Cross Section
Day 63	Unsteady Flow
Day 64	Steady Flow Over A Plate
Day 65	Revision
Day 66	Revision
Day 67	Doubt Class
Day 68	Test
Day 69	Steady Flow Through Sphere
Day 70	Flow In convergent And Divergent Channels
Day 71	Dynamical Similarity
Day 72	Doubt Class
Day 73	Doubt Class
Day 74	Revision
Day 75	Revision
Day 76	Test
Day 77	Presentation
Day 78	Group Disscusion
Day 79	Non Dimensional Number
Day 80	Dimensional Analysis
Day 81	Buckingham Pie Theorem
Day 82	Physical importancE Of Non Dimensional Parameters
Day 83	Prandtl Boundary Layer,Karman Integral Equations
Day 84	Karman pohlhausen Method
Day 85	Doubt Class

Day 86	Test
Day 87	Test
Day 88	Presentation
Day 89	Test
Day 90	Doubt Class

Name Of The Professor: Dr. Nupur Srivastava **Class And Section: M.Sc Mathematics 4th Semester** **Subject: Graph Theory (17MAT24CDA2)**	
Day 1	Introduction Of Subject And Syllabus
Day 2	Definition Of Types Of Graphs
Day 3	Test
Day 4	Revision
Day 5	Presentation
Day 6	Walk
Day 7	Paths And Circuit
Day 8	Problems
Day 9	Connected Graph
Day 10	Disconnected Graph
Day 11	Problems
Day 12	Revision
Day 13	Test
Day 14	Application Of Graph
Day 15	Operation On Graph
Day 16	Test
Day 17	Presentation

Day 18	Revision
Day 19	Doubt Class
Day 20	Graph Representation
Day 21	Isomorphism Of Graph
Day 22	Revision
Day 23	Elulerian Path
Day 24	Hamilton Path
Day 25	Revision
Day 26	Test
Day 27	Shortest Path In Weighted Graph
Day 28	Travelling Sales Man Problem
Day 29	Planner Graph
Day 30	Problems On Topic
Day 31	Revision
Day 32	Presentation
Day 33	Detection Of Planarity
Day 34	Krakowski Theoem
Day 35	Garph Colouring
Day 36	Revision
Day 37	Revision
Day 38	Doubt Class
Day 39	Doubt Class
Day 40	Test
Day 41	Problems
Day 42	Directed Graph
Day 43	Tree
Day 44	Tree Termology
Day 45	Doubt Class
Day 46	Doubt Class

Day 47	Revision
Day 48	Test
Day 49	Rooted Labelled Tree
Day 50	Test
Day 51	Prefix Code
Day 52	Revision
Day 53	Revision
Day 54	Presentation
Day 55	Binary Search Tree
Day 56	Tree Traversal
Day 57	Doubt Class
Day 58	Doubt Class
Day 59	Test
Day 60	Spanning Tree
Day 61	Cut Set
Day 62	Minimum Spanning Tree
Day 63	Revision
Day 64	Revision
Day 65	Doubt Class
Day 66	Doubt Class
Day 67	Test
Day 68	Problems
Day 69	Kruskal Algorithm
Day 70	Prime Algorithm
Day 71	Revision
Day 72	Revision
Day 73	Doubt Class
Day 74	Test
Day 75	Sorting Methods

Day 76	Problems
Day 77	Revision
Day 78	Revision
Day 79	Test
Day 80	Test
Day 81	Doubt Class
Day 82	Presentation
Day 83	Revision
Day 84	Revision
Day 85	Revision
Day 86	Test
Day 87	Test
Day 88	Paper Disscusion
Day 89	Test
Day 90	Test

Name Of The Professor: Ms. Sonia **Class And Section: M.Sc. (Maths) Sem 1st** **Subject: I.E & C. O. V**	
Day 1	Introduction Of Integral Equations & It's Types
Day 2	Generalized Leibnitz's Formula
Day 3	Initial Value Problems Reduced To Voltera Integral Equation .
Day 4	Voltera Integral Equation Reduced To Initial Value Problem.
Day 5	Method Of Successive Approximation To Solve Voltera Equation Of 2nd Kind.
Day 6	Numerical
Day 7	Method Of Successive Substitution To Solve Voltera Integral Equation Of 2nd Kind
Day 8	Solution Of Voltera Equation By Neumann Series & Resolvent Kernel Method.
Day 9	Numerical
Day 10	Laplace Transform Method For Difference Kernel.
Day 11	Solution Of Voltera Integral Equation Of 2nd Kind With Difference Kernel.
Day 12	Numericals
Day 13	Solution Of Voltera Integral Equation Of First Kind.
Day 14	Numericals
Day 15	Doubts Discussion
Day 16	Doubts Discussion
Day 17	Test
Day 18	Introduction Of Fredholm Integral Equation & It's Kinds.
Day 19	Boundary Value Problems Reduced To Fredholm Integral Equation.
Day 20	Examples
Day 21	Revision
Day 22	Method Of Successive Approximation To Solve Fredholm Integral Equation Of Second Kind.
Day 23	Examples
Day 24	Solution Of Fredholm Integral Equation By Neumann Series And Resolvent Kernel Method.
Day 25	Examples

Day 26	Fredholm Resolvent Kernel As A Ratio Of Two Series.
Day 27	Examples
Day 28	Alternative Procedure For Calculating Bn(X, T) & Cn.
Day 29	Examples
Day 30	Degenerate Kernel
Day 31	Solution Of Fredholm Integral Equation With Degenerate Kernel, Non. Homogenous Fredholm Equation With Degenerate Kernel.
Day 32	Examples
Day 33	Doubts Discussion
Day 34	Doubts Discussion
Day 35	Test
Day 36	Introduction Of Greens Function.
Day 37	Non Homogenous Ordinary Differential Equations.
Day 38	Construction Of Greens Function.
Day 39	Doubts Discussion
Day 40	Construction Of Greens Function
Day 41	Basic Properties Of The Greens Function.
Day 42	Examples
Day 43	Constructions Of The Green's Function Using It's Basic Properties.
Day 44	Strum-Liouville Problem & The Orthogonal Series Expansion.
Day 45	Doubts Discussion
Day 46	Orthogonal Series Representation Of Green's Function.
Day 47	Numericals Of Non. Homogenous Boundary Value Problem.
Day 48	Fredholm Integral Equation & The Green's Function.
Day 49	Numericals
Day 50	Numericals
Day 51	Numericals
Day 52	Doubts Discussion
Day 53	Doubts Discussion

Day 54	Doubts Discussion
Day 55	Test
Day 56	Introduction Of Calculus Of Variations
Day 57	Theorems
Day 58	Theorems
Day 59	Theorems
Day 60	Euler's Equation Simplest Variations Problem.
Day 61	Euler's Equation Simplest Variations Problem.
Day 62	Euler's Equation Simplest Variations Problem.
Day 63	Numericals
Day 64	The Brachistochrone Theorem
Day 65	Numericals
Day 66	Functional Dependent On N Functions & Their Derivatives Of First Order.
Day 67	Numericals
Day 68	Euler's Equation Simplest Variations Problem.
Day 69	Theorem Of Geodesic.
Day 70	Doubts Discussion
Day 71	Euler's Equation Simplest Variations Problem.
Day 72	Functional Depending On Higher Order Derivatives.
Day 73	Numericals
Day 74	Euler's Equation Simplest Variations Problem.
Day 75	Variational Problem With Subsidiary Conditions.
Day 76	Case Of Several Variable.
Day 77	Theorem
Day 78	Invariance Of Euler's Equation.
Day 79	Numericals
Day 80	Doubts Discussion
Day 81	Doubts Discussion
Day 82	Test

Day 83	Revision Of Unit-1
Day 84	Revision Of Unit-1
Day 85	Revision Of Unit-2
Day 86	Revision Of Unit-2
Day 87	Revision Of Unit-3
Day 88	Revision Of Unit-3
Day 89	Revision Of Unit-4
Day 90	Revision Of Unit-4

Name Of The Professor:Ms. Garima Mehta
Class And Section: M.Sc. (P)
Subject: Partial Differential Equation

Day 1	Partial Differential Equation
Day 2	It's Types
Day 3	Method Of Separation Of Variables
Day 4	Boundary Value Problem
Day 5	One Dimensional Heat Equation
Day 6	Steady State Temperature In A Rectangular Plate
Day 7	Example Discussion
Day 8	Exercise Questions
Day 9	Doubt Class
Day 10	Circular Disc
Day 11	Semi Infinite Plate

Day 12	Heat Equation In Semi Infinite Region
Day 13	Heat Equation In Infinite Region
Day 14	Example Discussion
Day 15	Solution Of Three Dimensional Laplace Equation In Cartesian Coordinate
Day 16	Spherical Coordinate
Day 17	Heat Equation In Semi Infinite Region
Day 18	Heat Equation In Infinite Region
Day 19	Example Discussion

Day 20	Solution Of Three Dimensional Laplace Equation In Cartesian Coordinate
Day 21	Spherical Coordinate
Day 22	Cylindrical Coordinate
Day 23	Doubt Class
Day 24	Heat Equation In Cartesian Coordinate
Day 25	DR B.R AMBEDKAR JAYANTI
Day 26	Test
Day 27	Estimate For Harmonic Function
Day 28	Cylindrical Coordinates
Day 29	Spherical Coordinates
Day 30	Doubt Class
Day 31	Example Discussion
Day 32	Motion Of A Vibrating String
Day 33	Solution Of Wave Equation For Semi Infinite String
Day 34	Solution Of Wave Equation For Infinite String
Day 35	Doubt Class
Day 36	Test
Day 37	Question Discussed
Day 38	Basics Of PDE
Day 39	Different Types Of PDE
Day 40	Initial Value Problem
Day 41	Transport Proboem
Day 42	Harmonic Equation

Day 43	Fundamental Solution Of Laplace Equation
Day 44	Mean Value Formula For Laplace Equation
Day 45	Converse Of Mean Value
Day 46	Strong Maximum Principle
Day 47	Question Discuss
Day 48	Poisson Equation
Day 49	Some Notations
Day 50	Poisson Equation
Day 51	Liouville Theorem
Day 52	Representation Formula
Day 53	Green Formula
Day 54	Derivation Of Green Function
Day 55	Corrector Function
Day 56	Some Theorem
Day 57	Symmetry Of Green Function
Day 58	Uniqueness Theorem By Energy Method
Day 59	Dirichlet Principle
Day 60	Fundamental Solution Of Bounded Function
Day 61	Doubt Class
Day 62	Test
Day 63	Question Discuss
Day 64	Physical Interpretation Of Heat
Day 65	Fundamental Solution Of Heat Equation
Day 66	Integral Of Fundamental Solution Of Heat Equation

Day 67	Cauchy Problem
Day 68	Exercise Questions
Day 69	Heat Ball
Day 70	Mean Value Formula For Heat Equation
Day 71	Uniqueness Theorem For Heat Equation
Day 72	Physical Interpretation Of Wave Equation
Day 73	D' Alembert Formula
Day 74	Reflection Method
Day 75	Test
Day 76	Introduction To Non Linear PDE
Day 77	Complete Integral
Day 78	Envelopes
Day 79	Characteristics
Day 80	Hamilton Jacobi Equation
Day 81	Doubt Class
Day 82	Test
Day 83	Revision Of Chapter 1
Day 84	Previous Year Question
Day 85	Revision Of Chapter 2
Day 86	Previous Year Question
Day 87	Revision Of Chapter 3
Day 88	Previous Year Question
Day 89	Revision Of Chapter 4
Day 90	Previous Year Question

Name Of The Professor: Ms. Garima Mehta **Class And Section: M.Sc. Mathematics 4th Semester** **Subject: Classical Mechanics**	
Day 1	Introduction Of Moments Of Inertia
Day 2	Product Of Inertia
Day 3	Angular Momentum Of Rigid Bodies
Day 4	Principal Axis
Day 5	Principal Moment Of Inertia
Day 6	Kinetic Energy Of Rigid Bodies
Day 7	Momental Ellipsoid
Day 8	Equimomental System
Day 9	Coplanar Mass Distribution
Day 10	General Motion Of Rigid Bodies
Day 11	Doubts
Day 12	Revision
Day 13	Revision
Day 14	Revision
Day 15	Revision
Day 16	Revision
Day 17	Revision
Day 18	Test
Day 19	Assignment
Day 20	Problems Based
Day 21	Problems Based

Day 22	Free And Constrained System
Day 23	Constraints And Their Classification
Day 24	Holonomic System
Day 25	Non Holonomic System
Day 26	Degree Of Freedom And Generalized Coordinates
Day 27	Virtual Displacement
Day 28	Virtual Work
Day 29	Statement Of Principle Of Virtual Work
Day 30	Possible Velocity
Day 31	Possible Acceleration
Day 32	Ideal Constraints
Day 33	General Equation Of Dynamics For Ideal Constraints
Day 34	Lagrange Equations Of First Kind
Day 35	D' Alembert's Principle
Day 36	Independent Coordinates
Day 37	Generalized Forces
Day 38	Lagrange Equations Of Second Kind
Day 39	Generalized Velocities And Acceleration
Day 40	Uniqueness Of Solution
Day 41	Principle Of Total Energy For Conservative Fields
Day 42	Lagrange Variables
Day 43	Lagrange Function

Day 44	Lagrange Equations For Potential Forces
Day 45	Generalized Momenta
Day 46	Revision
Day 47	Revision
Day 48	Revision
Day 49	Test
Day 50	Assignment
Day 51	Hamiltonian Variable And Hamiltonian Function
Day 52	Donkin's Theorem
Day 53	Ignorable Coordinates
Day 54	Hamilton Canonical Equations
Day 55	Routh Variables And Routh Function
Day 56	Routh Equation
Day 57	Poisson Brackets And Their Simple Properties
Day 58	Poisson Identity
Day 59	Jacobi Poisson Theorem
Day 60	Hamilton Action And Hamilton Principle
Day 61	Poincare Carton Integral Invariant
Day 62	Whittaker Equations
Day 63	Whittaker Equations Continued
Day 64	Jacobi Equations
Day 65	Lagranguan Action And The Principle Of Least Action
Day 66	Revision
Day 67	Revision

Day 68	Revision
Day 69	Test
Day 70	Canonical Transformation
Day 71	Problem Based
Day 72	Problem Based
Day 73	Necessary And Sufficient Condition For A Canonical Transformation
Day 74	Univalent Canonical Transformation
Day 75	Free Canonical Transformation
Day 76	Hamilton- Jacobi Equation
Day 77	Jacobi Theorem
Day 78	Method Of Separation Of Variables In Hamilton Jacobi Equation
Day 79	Lagrange Brackets
Day 80	Canonical Character Of A Transformation In Terms Of Lagrange Brackets
Day 81	Jacobian Matrix Of A Canonical Transformation
Day 82	Conditions Of Canonicity Of A Transformation In Terms Of Poisson Bracket
Day 83	Invariance Of Poisson Brackets Under Canonical Transformation
Day 84	Revision
Day 85	Revision
Day 86	Test
Day 87	Revision
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Dr Reeti Panchal **Class And Section: B.Sc. Medical 4th SemSection A &B** **Subject: Mammalian Physiology II (Zoology) Paper Code :4.2**	
Day 1	Origin, Conduction And Regulation Of Heart Beat
Day 2	Origin, Conduction And Regulation Of Heart Beat
Day 3	Cardiac Cycle
Day 4	Cardiac Cycle
Day 5	Electrocardiogram
Day 6	Electrocardiogram
Day 7	Cardiac Output
Day 8	Cardiac Output
Day 9	Fluid Pressure And Flow Pressure In Closed And Open Circulatory System
Day 10	Fluid Pressure And Flow Pressure In Closed And Open Circulatory System
Day 11	Composition And Function Of Blood & Lymph
Day 12	Composition And Function Of Blood & Lymph
Day 13	Revision
Day 14	Test
Day 15	Mechanism Of Coagulation Of Blood
Day 16	Mechanism Of Coagulation Of Blood
Day 17	Coagulation Factors
Day 18	Coagulation Factors
Day 19	Anticoagulants
Day 20	Anticoagulants
Day 21	Haemopoiesis

Day 22	Haemopoiesis
Day 23	Control Of Blood Pressure
Day 24	Control Of Blood Pressure
Day 25	Test 1
Day 26	Assignment 1
Day 27	Exchange Of Respiratory Gases
Day 28	Exchange Of Respiratory Gases
Day 29	Transport Of Gases
Day 30	Transport Of Gases
Day 31	Lung Air Volumes
Day 32	Lung Air Volumes
Day 33	Oxygen Dissociation Curve Of Hemoglobin
Day 34	Oxygen Dissociation Curve Of Hemoglobin
Day 35	Test
Day 36	Revision
Day 37	Bohr's Effect, Hamburger's Phenomenon (Chloride Shift)
Day 38	Bohr's Effect, Hamburger's Phenomenon (Chloride Shift)
Day 39	Control And Regulation Of Respiration
Day 40	Control And Regulation Of Respiration
Day 41	Factors Affecting Oxygen Dissociation Curve
Day 42	Factors Affecting Oxygen Dissociation Curve
Day 43	Structure Of Nephron
Day 44	Structure Of Nephron
Day 45	Patterns Of Excretory Products, Ammonotelic, Ureotelic, Uricotelic

Day 46	Patterns Of Excretory Products, Ammonotelic, Ureotelic, Uricotelic
Day 47	Ornithine Cycle For Urea Formation In Liver
Day 48	Ornithine Cycle For Urea Formation In Liver
Day 49	Urine Formation
Day 50	Urine Formation
Day 51	Counter-Current Mechanism Of Urine Concentration
Day 52	Counter-Current Mechanism Of Urine Concentration
Day 53	Osmoregulation And Micturition
Day 54	Osmoregulation And Micturition
Day 55	Neuron Structure
Day 56	Neuron Structure
Day 57	Nature, Origin And Propagation Of Nerve Impulse Along With Medullated Fibres
Day 58	Nature, Origin And Propagation Of Nerve Impulse Along With Medullated Fibres
Day 59	Nature, Origin And Propagation Of Nerve Impulse Along With Non-Medullated Fibre
Day 60	Nature, Origin And Propagation Of Nerve Impulse Along With Non-Medullated Fibre
Day 61	Conduction Of Nerve Impulse Across Synapse
Day 62	Conduction Of Nerve Impulse Across Synapse
Day 63	Mechanism Of Hormone Action
Day 64	Physiology Of Hypothalamus
Day 65	Physiology Of Pituitary Gland, Gonads
Day 66	Physiology Of Pituitary Gland, Gonads

Day 67	Physiology Of Thyroid And Parathyroid Gland
Day 68	Physiology Of Thyroid And Parathyroid Gland
Day 69	Physiology Of Pancreas, Adrenal Gland
Day 70	Physiology Of Pancreas, Adrenal Gland
Day 71	Spermatogenesis
Day 72	Test 2
Day 73	Ovulation And Formation Of Corpus Luteum
Day 74	Ovulation And Formation Of Corpus Luteum
Day 75	Oogenesis
Day 76	Oogenesis
Day 77	Menstrual Cycle In Humans And Fertilization
Day 78	Menstrual Cycle In Humans And Fertilization
Day 79	Structure Of Gamete
Day 80	Structure Of Gamete
Day 81	Capacitation Of Spermatozoa
Day 82	Capacitation Of Spermatozoa
Day 83	Implantation And Gestation
Day 84	Implantation And Gestation
Day 85	Oestrous-Anoestrous Cycle
Day 86	Oestrous-Anoestrous Cycle
Day 87	Revision
Day 88	Revision
Day 89	Revision.
Day 90	Test

Name Of The Professor: Dr Reeti Panchal **Class And Section: B.Sc. Medical Ivth Semester Section A & B** **Subject: Life And Diversity Of Chordates II (Zoology) Paper Code : 4.1**	
Day 1	Habitat, Habits, External Morphology, Skin And Digestive System Of *RanaTigrina* (Frog)
Day 2	Habitat, Habits, External Morphology, Skin And Digestive System Of *RanaTigrina* (Frog)
Day 3	Coelom ,Viscera And Circulatory System Of Frog
Day 4	Coelom ,Viscera And Circulatory System Of Frog
Day 5	Nervous System, Eye And Ear Of Frog
Day 6	Nervous System, Eye And Ear Of Frog
Day 7	Urinogenital System Of Frog
Day 8	Urinogenital System Of Frog
Day 9	Origin And Evolutionary Tree Of Amphibia
Day 10	Origin And Evolutionary Tree Of Amphibia
Day 11	Respiratory System Of Frog
Day 12	Respiratory System Of Frog
Day 13	Parental Care In Amphibians
Day 14	Parental Care In Amphibians
Day 15	Class Test 1
Day 16	Habitat, Habits, External Morphology, Skin And Digestive System Of *Hemidactylus* (Common House Lizard)
Day 17	Habitat, Habits, External Morphology, Skin And Digestive System Of *Hemidactylus* (Common House Lizard)
Day 18	Blood Vascular System (Heart, Arterial System, Venous System, Working OfHeart) Of *Hemidactylus*

Day 19	Blood Vascular System (Heart, Arterial System, Venous System, Working OfHeart) Of *Hemidactylus*
Day 20	Respiratory System Of *Hemidactylus*
Day 21	Respiratory System Of *Hemidactylus*
Day 22	Excretory System, Male And Female Reproductive System Of *Hemidactylus*
Day 23	Excretory System, Male And Female Reproductive System Of *Hemidactylus*
Day 24	Nervous System And Sense Organs Of *Hemidactylus*
Day 25	Nervous System And Sense Organs Of *Hemidactylus*
Day 26	Origin And Evolutionary Tree Of Reptiles
Day 27	Extinct Reptiles, Poison Apparatus Of Snakes And Poisonous And Non-Poisonous Snakes
Day 28	Extinct Reptiles, Poison Apparatus Of Snakes And Poisonous And Non-Poisonous Snakes
Day 29	Assignment 1
Day 30	Habitat, Habits, External Morphology, Skin And Muscular System Of *Columba Livia* (Pigeon)
Day 31	Habitat, Habits, External Morphology, Skin And Muscular System Of *Columba Livia* (Pigeon)
Day 32	Digestive System And Respiratory System Of Pigeon
Day 33	Digestive System And Respiratory System Of Pigeon
Day 34	Nervous System (Brain, Spinal Cord) Of *Columba Livia* (Pigeon)
Day 35	Nervous System (Brain, Spinal Cord) Of *Columba Livia* (Pigeon)
Day 36	Blood Vascular System (Heart, Arterial System, Venous System, Working Of Heart) Of *Columba Livia* (Pigeon)
Day 37	Blood Vascular System (Heart, Arterial System, Venous System, Working Of Heart) Of *Columba Livia* (Pigeon)
Day 38	Eye, Tactile Organs, Olfactory Organs And Gustatory Organs Of *Columba Livia* (Pigeon)
Day 39	Eye, Tactile Organs, Olfactory Organs And Gustatory Organs Of *Columba Livia*

	(Pigeon)
Day 40	Urinogenital System, Copulation, Egg Laying And Development Of Pigeon
Day 41	Urinogenital System, Copulation, Egg Laying And Development Of Pigeon
Day 42	Ear Of Pigeon
Day 43	Test
Day 44	Revision
Day 45	Skeleton Of Frog
Day 46	Specimen Of Amphibia
Day 47	Specimen Of Amphibia
Day 48	Origin Of Migration And Advantages Of Migration In Aves
Day 49	Origin Of Migration And Advantages Of Migration In Aves
Day 50	Flight Adaptations In Birds
Day 51	Flight Adaptations In Birds
Day 52	Specimen Of Reptilia
Day 53	Specimen Of Reptilia
Day 54	Migration Of Birds
Day 55	Test
Day 56	Revision
Day 57	Structure And Types Of Feather
Day 58	Structure And Types Of Feather
Day 59	Development Of Feather
Day 60	Development Of Feather
Day 61	Perching Mechanism In Birds
Day 62	Perching Mechanism In Birds

Day 63	Characters, Classification And Examples Of Class Mammalia
Day 64	Characters, Classification And Examples Of Class Mammalia
Day 65	Habitat, Habits, External Morphology, Skin, Muscular Layer Of Rat
Day 66	Blood Vascular System (Heart, Arterial System, Venous System, Blood, Lymphatic System And Working Of Heart) Of Rat
Day 67	Blood Vascular System (Heart, Arterial System, Venous System, Blood, Lymphatic System And Working Of Heart) Of Rat
Day 68	Digestive System Of Rat
Day 69	Digestive System Of Rat
Day 70	Nervous System (Brain And Spinal Cord) Of Rat
Day 71	Nervous System (Brain And Spinal Cord) Of Rat
Day 72	Nervous System (Cranial Nerves, Spinal Nerves And Autonomic NervousSystem) Of Rat
Day 73	Nervous System (Cranial Nerves, Spinal Nerves And Autonomic NervousSystem) Of Rat
Day 74	Respiratory System Of Rat
Day 75	Endocrine System Of Rat
Day 76	Sense Organs (Organs Of Touch, Smell Taste, Sight And Ear) Of Rat
Day 77	Sense Organs (Organs Of Touch, Smell Taste, Sight And Ear) Of Rat
Day 78	Peritoneum And Thoracic Cavity Of *Rattus Rattus* (House Rat)
Day 79	Class Test 2
Day 80	Excretory System Of Rat
Day 81	Excretory System Of Rat
Day 82	Reproductive System Of Rat
Day 83	Reproductive System Of Rat
Day 84	Dentition In Mammals
Day 85	Dentition In Mammals

Day 86	Adaptive Radiation Of Mammals
Day 87	Adaptive Radiation Of Mammals
Day 88	Revision
Day 89	Revision.
Day 90	Test

Name Of The Professor: Dr. Shveta Arya
Class And Section: Bsc Medical 6th Sem And A&B
Subject: Entomology Paper Code : 6.1

Day 1	Introduction About The Book And Discussion The Topic.
Day 2	Study Of Important Insect Pests Of Crop Sugarcane Leaf – Hopper.
Day 3	Sugarcane Leaf-Hopper Systematic Position And Habits .
Day 4	Sugarcane Leaf Hopper Nature Of Damage Caused.
Day 5	Sugarcane Leaf-Hopper Life Cycle And Control.
Day 6	Study Of Sugarcane White Fly.
Day 7	Study Of Sugarcane Top Borer.
Day 8	Study Of Sugarcane Root Borer.
Day 9	Study Of Gurdaspur Borer Pest.
Day 10	Revision
Day 11	Pink Bollworm Systematic Position And Habits And Nature Of Damage Caused.
Day 12	Life Cycle And Control Of Pink Bollworm.
Day 13	Study Of Red Cotton Bug .
Day 14	Study Of Cotton Grey Weevil.
Day 15	Study Of Cotton Jassid.
Day 16	Test Of Unit -1
Day 17	Study Of Wheat Stem Borer Systematic Position Habits And Nature Of Damage Caused.
Day 18	Life Cycle And Control Of Wheat Stem Borer.

Day 19	Study Of Paddy Pest Gundhi Bug With Their Systematic Position, Habits And Nature Of Damage Caused.
Day 20	Life Cycle And Control Of Gundhi Bug.
Day 21	Study Of Rice Grasshopper.
Day 22	Study Of Rice Stem Borer.
Day 23	Study Of Rice Hispa.
Day 24	Revision And Test Of Unit -2.
Day 25	Study Of Red Pumpkin Beetle Systematic Position And Habits And Nature Of Damage Caused.
Day 26	Life Cycle And Control Of Red Pumpkin Beetle.
Day 27	Study Of Pumpkin Fruitfly.
Day 28	Study Of Pumpkin Fruitfly
Day 29	Study Of Pumpkin Fruitfly
Day 30	Revision
Day 31	Assignment
Day 32	Revision
Day 33	Study Of Vegetable Mite
Day 34	Study Of Vegetable Mite
Day 35	Study Of Vegetable Mite
Day 36	Study Of Hadda Beetle.
Day 37	Study Of Hadda Beetle.
Day 38	Revision
Day 39	Test Of Unit -3.
Day 40	Revision
Day 41	Revision
Day 42	Assignment

Day 43	Revision
Day 44	Revision
Day 45	Test Unit -4
Day 46	Study Of Wheat Weevil Systematic Position, Habits And Nature Of Damage Caused.
Day 47	Study Of Wheat Weevil Systematic Position, Habits And Nature Of Damage Caused.
Day 48	Revision
Day 49	Life Cycle And Control Of Wheat Weevil
Day 50	Life Cycle And Control Of Wheat Weevil
Day 51	Life Cycle And Control Of Wheat Weevil
Day 52	Study Of Pulse Bettle.
Day 53	Study Of Pulse Bettle.
Day 54	Study Of Pulse Bettle.
Day 55	Revision
Day 56	Study Of Rice Weevil
Day 57	Study Of Rice Weevil
Day 58	Study Of Rice Weevil
Day 59	Study Of Rust Red Flour Beetles
Day 60	Study Of Rust Red Flour Beetles
Day 61	Study Of Rust Red Flour Beetles
Day 62	Study Of Lesser Grain Borer
Day 63	Study Of Lesser Grain Borer
Day 64	Study Of Lesser Grain Borer
Day 65	Revision
Day 66	Revision

Day 67	Study Of Grain And Flour Moth
Day 68	Study Of Grain And Flour Moth
Day 69	Study Of Grain And Flour Moth
Day 70	Study Of Grain And Flour Moth
Day 71	Study Of Insect Control
Day 72	Study Of Insect Control
Day 73	Study Of Insect Control
Day 74	Study Of Insect Control
Day 75	Study Of Chemical Control
Day 76	Study Of Chemical Control
Day 77	Study Of Chemical Control
Day 78	Revision
Day 79	Revision
Day 80	Study Of Integrated Pest Management
Day 81	Study Of Integrated Pest Management
Day 82	Study Of Integrated Pest Management
Day 83	Revision
Day 84	Assignment
Day 85	Test
Day 86	Study Of Important Bird And Rodent Pests Of Agriculture And Their Management.
Day 87	Study Of Important Bird And Rodent Pests Of Agriculture And Their Management.
Day 88	Study Of Important Bird And Rodent Pests Of Agriculture And Their Management.
Day 89	Revision
Day 90	Revision

Name Of The Professor:Dr. Shveta Arya **Class And Section:Bsc (Medical)6Semester Section A And B** **Subject: Developmental Biology (6.2) Paper Code : 6.2**	
Day 1	Discussion Regarding Books And Introduction To Syllabus
Day 2	Historical Perspective Of Developmental Biology
Day 3	Aim And Scope Of Developmental Biology
Day 4	Spermatogenesis: Site & Stages Of Spermatogenesis
Day 5	Stages Of Spermatogenesis
Day 6	Generalized Structure Of Mammalian Sperm
Day 7	Stages Of Oogenesis
Day 8	Test Of Spermatogenesis
Day 9	Vitellogenesis & Generalized Structure Of Mammalian Ovum
Day 10	Hormonal Control Of Spermatogenesis & Oogenesis
Day 11	Test Of Historical Perspective,Aim And Scope Of Development Biology
Day 12	Types & Significance Of Fertilization
Day 13	Process Of Fertilization
Day 14	Parthenogenesis: Types & Significance
Day 15	Different Types Of Eggs On The Basis Of Amount & Distribution Of Yolk
Day 16	Patterns Of Cleavage In Invertebrates And Vertebrates
Day 17	Assignment On Parthenogenesis
Day 18	Process Of Blastulation In Invertebrates
Day 19	Process Of Blastulation In Invertebrates
Day 20	Fate – Map Construction In Frog
Day 21	Fate – Map Construction In Chick
Day 22	Test Of Fertilization And Different Types Of Eggs
Day 23	Test Of Fertilization And Different Types Of Eggs
Day 24	Assignment On Spermatogenesis

Day 25	Test Of Fertilization And Different Types Of Eggs
Day 26	Gastrulation In Invertebrates
Day 27	Gastrulation In Invertebrates
Day 28	Gastrulation In Invertebrates
Day 29	Revision
Day 30	Test Of Gastrulation
Day 31	Process Of Blastulation In Vertebrates
Day 32	Process Of Blastulation In Vertebrates
Day 33	Process Of Blastulation In Vertebrates
Day 34	Revision
Day 35	Revision
Day 36	Revision
Day 37	Assignment
Day 38	Test
Day 39	Gastrulation In Vertebrates
Day 40	Gastrulation In Vertebrates
Day 41	Revision
Day 42	Revision
Day 43	Revision
Day 44	Revision
Day 45	Revision
Day 46	Gastrulation In Vertebrates
Day 47	Fate – Map Construction In Frog
Day 48	Fate – Map Construction In Frog
Day 49	Test
Day 50	Revision
Day 51	Gastrulation & Formation Of Three Germinal Layers In Frog
Day 52	Gastrulation & Formation Of Three Germinal Layers In Frog
Day 53	Gastrulation & Formation Of Three Germinal Layers In Frog
Day 54	Assignment

Day 55	Gastrulation & Formation Of Three Germinal Layers In Chick
Day 56	Gastrulation & Formation Of Three Germinal Layers In Chick
Day 57	Gastrulation & Formation Of Three Germinal Layers In Chick
Day 58	Revision
Day 59	Revision
Day 60	Test
Day 61	Extra Embryonic Membranes: Structure & Significance In Birds
Day 62	Extra Embryonic Membranes: Structure & Significance In Birds
Day 63	Extra Embryonic Membranes: Structure & Significance In Mammals
Day 64	Extra Embryonic Membranes: Structure & Significance In Mammals
Day 65	Elementary Knowledge Of Primary Organizers
Day 66	Elementary Knowledge Of Primary Organizers
Day 67	Elementary Knowledge Of Primary Organizers
Day 68	Test
Day 69	Assignment
Day 70	Concepts Of Competence , Determination And Differentiation
Day 71	Concepts Of Competence , Determination And Differentiation
Day 72	Concepts Of Competence , Determination And Differentiation
Day 73	Continued The Same Topic
Day 74	Continued The Same Topic
Day 75	Continued The Same Topic
Day 76	Test
Day 77	Revision
Day 78	Revision
Day 79	Continued The Same Topic
Day 80	Continued The Same Topic
Day 81	Continued The Same Topic
Day 82	Test Of Elementary Knowledge Of Primary Organizers
Day 83	Test Of Elementary Knowledge Of Primary Organizers
Day 84	Revision

Day 85	Test
Day 86	Concept Of Regeneration
Day 87	Concept Of Regeneration
Day 88	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Ms. Vandana Kumari
Class And Section: B.Sc. (NM)Semester -6
Subject: Linear Algebra

Day1	Introduction Of Vector Space And Examples
Day2	Subspace And Properties Of Subspace
Day3	Linear Sum Of Subspace
Day4	Direct Sum Of Sub Space
Day5	Examples
Day6	Linear Combination,Linear Dependence And Independence
Day7	Spanning Sets,Linear Span
Day8	Finitely Generated Vector Space
Day9	Basis Of A Vector Space
Day10	Existence Theorem
Day11	Dimensions Of A Vector Space
Day12	Theorem Related To Dimensions Of A Vector Space
Day13	Identical Spaces
Day14	Dimension Of Linear Sum
Day15	Complementary Subspace
Day16	Test
Day17	Quotient Space And Dimension Of Quotient Space
Day18	Linear Transformation

Day19	Properties Of Linear Transformation
Day20	Examples
Day21	One-One,Onto Transformation
Day22	Theorems Of One One And Onto Transformation
Day23	Null Space And Theorems
Day24	Range Space And Theorems
Day25	Fundamental Theorem Of Vector Space Homomorphism
Day26	Rank And Nuilty Theorem
Day27	Test
Day28	Sum Of Linear Transformation
Day29	Composition Of Two Linear Transformations
Day30	Singular And Non Singular Transformation
Day31	Invertible Linear Transformation
Day32	Matrix Of Linear Transformation
Day33	Matrices Of Identity And Zero Transformation
Day34	Change Of Basis
Day35	Dual Space
Day36	Bi-Dual Of A Vector Space
Day37	Annihilator
Day38	Eigen Value And Eigen Vector Of A Linear Transformation
Day39	Similar Natrices And Theorems
Day40	Test
Day41	Diagonalisation
Day42	Minimal Polynomial
Day43	Inner Product Space
Day44	Cauchy Schwarz Inequality
Day45	Triangle Inequality
Day46	Orthogonal Vector And Theorems
Day47	Orthonormal Set And Theorems
Day48	Bessel's Inequality
Day49	Gram-Schmidt Theorem
Day50	Examples
Day51	Doubt Discussion Of Exercise
Day52	Test

Day53	Adjoint Operator
Day54	Self Adjoint Operator
Day55	Theorem 11.5.3
Day56	Theorem 11.5.4,11.5.5,11.5.6
Day57	Theorem 11.5.7,11.5.8
Day58	Theorem 11.5.9,11.5.10
Day59	Theorem 11.5.11,12
Day60	Theorem 11.5.13,14
Day61	Theorem 11.5.15,16,17
Day62	Theorem 11.5.18,19
Day63	Theorem 11.5.20,21
Day64	Examples
Day65	Doubt Discussion
Day66	Test
Day67	Revision Ch-1
Day68	Doubt Discussion
Day69	Test
Day70	Revision Ch-2
Day71	Doubt Discussion
Day72	Test
Day73	Revision Ch-3 & 4
Day74	Doubt Discussion
Day75	Test
Day76	Revision Ch-5 & 6
Day77	Doubt Discussion
Day78	Test
Day79	Revision Ch-7
Day80	Doubt Discussion
Day81	Test
Day82	Revision Ch-8 & 9
Day83	Doubt Discussion
Day84	Test
Day85	Revision Ch-10
Day86	Doubt Discussion

Day87	Test
Day88	Revision Ch-11
Day89	Doubt Discussion
Day90	Test

Name Of The Professor: Ms. Vandana Kumari
Class And Section: B.Sc. (Non-Med) Sem 6th
Subject: Dynamics

Day 1	Syllabus And Examination Scheme Discussed
Day 2	Preliminary
Day 3	Preliminary
Day 4	SHM Articles
Day 5	SHM Examples
Day 6	SHM Exercise
Day 7	SHM Exercise
Day 8	SHM Exercise
Day 9	Doubts Of SHM
Day 10	Articles Of Elastic String
Day 11	Articles Of Elastic String
Day 12	Examples Of Elastic String
Day 13	Exercise Of Elastic String
Day 14	Exercise Of Elastic String
Day 15	Doubts Of Elastic String
Day 16	Test Of SHM And Elastic String
Day 17	Newton's Laws Of Motion (Examples Ex 5.1)
Day 18	Newton's Laws Of Motion (Examples Ex 5.1)
Day 19	Newton's Laws Of Motion (Ex 5.1)

Day 20	Newton's Laws Of Motion (Ex 5.1)
Day 21	Newton's Laws Of Motion (Articles Ex 5.2)
Day 22	Newton's Laws Of Motion (Examples & Ex 5.2)
Day 23	Newton's Laws Of Motion (Articles Ex 5.3)
Day 24	Newton's Laws Of Motion (Examples Ex 5.3)
Day 25	Newton's Laws Of Motion (Ex 5.3)
Day 26	Doubts Of Newton's Laws Of Motion
Day 27	Work Done (Articles And Examples Ex 6.1)
Day 28	Work Done (Ex 6.1)
Day 29	Power (Articles And Examples Ex 6.2)
Day 30	Power (Ex 6.2)
Day 31	Energy (Articles And Examples)
Day 32	Energy (Articles And Examples)
Day 33	Energy (Ex 6.3)
Day 34	Energy (Ex 6.3)
Day 35	Doubts Of Work, Power And Energy
Day 36	Test
Day 37	Projectile (Articles Of Ex 8.1)
Day 38	Projectile (Examples Of Ex 8.1)
Day 39	Projectile (Ex 8.1)
Day 40	Projectile (Ex 8.1)
Day 41	Examples Of Ex 8.2
Day 42	Exercise 8.2
Day 43	Doubts Of Ex 8.1 And 8.2

Day 44	Examples And Articles Of Ex 8.3
Day 45	Exercise 8.3
Day 46	Doubts Of Ex 8.3
Day 47	Examples And Articles Of Ex 8.4
Day 48	Exercise 8.4
Day 49	Doubts Of Ex 8.4
Day 50	Central Orbits (Articles And Examples Of Ex 9.1)
Day 51	Exercise 9.1
Day 52	Articles Of Ex 9.2
Day 53	Examples Of Ex 9.2
Day 54	Examples Of Ex 9.2
Day 55	Exercise 9.2
Day 56	Exercise 9.2
Day 57	Doubts Of Chapter 9
Day 58	Test
Day 59	Kepler's Laws Of Planetary Motion (Articles And Examples Of Ch-10)
Day 60	Exercise 10.1
Day 61	Exercise 10.1
Day 62	Motion Along A Plane Curve (Articles Of Ch-1)
Day 63	Examples And Exercise 1.1
Day 64	Examples And Articles Of Ex 1.2
Day 65	Exercise 1.2
Day 66	Examples And Articles Of Ex 1.3
Day 67	Exercise 1.3

Day 68	Relative Motion (Articles Of Ch-2)
Day 69	Examples Of Ex 2.1
Day 70	Exercise 2.1
Day 71	Motion Of A Particle In Three Dimension (Articles Of Ch-2)
Day 72	Examples Of Ex 11.1
Day 73	Exercise 11.1
Day 74	Motion Of A Particle In Smooth And Rough Plane Curve (Examples And Exercise 7.1)
Day 75	Examples And Exercise 7.2
Day 76	Examples And Exercise 7.3
Day 77	Examples And Exercise 7.4
Day 78	Examples And Exercise 7.5
Day 79	Doubts Of Ch-7
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	Revision
Day 89	Revision
Day 90	Revision

Name Of The Professor: Dr. Sonam Ahuja **Class And Section: B.Sc. (N.M) 2nd Sem** **Subject: O.D.E**	
Day 1	Introduction Of Exact Diff. Equation
Day 2	Necessary & Sufficient Conditions For Exact Equation
Day 3	Integrating Factor
Day 4	Rules For Finding The Integrating Factors
Day 5	Rule-2
Day 6	Rule-3
Day 7	Rule-4
Day 8	Rule-5
Day 9	Doubts Discussion
Day 10	Doubts Discussion
Day 11	Test
Day 12	Equations Solvable For P
Day 13	Equation Solvable For Y
Day 14	Equation Solvable For X
Day 15	Lagrange's Equation
Day 16	Clairaut's Equation
Day 17	Equation Reducible To Clairaut's Form
Day 18	Singular Solution
Day 19	Examples And Exercise Questions
Day 20	Doubts Discussion
Day 21	Doubts Discussion
Day 22	Test
Day 23	Introduction Of Trajectories And Orthogonal Trajectories
Day 24	Examples And Exercise Questions
Day 25	Introduction Of Linear Differential Equations And Auxiliary Equation
Day 26	Complete Solution And Particular Solution

Day 27	Examples And Exercise Questions
Day 28	Case-1 Examples And Exercise Questions
Day 29	Case-2 Examples And Exercise Questions
Day 30	Case-3 Examples And Exercise Questions
Day 31	Doubt Discussion
Day 32	Doubt Discussion
Day 33	Case-4 Examples And Exercise Questions
Day 34	Case-5 Examples And Exercise Questions
Day 35	Doubt Discussion
Day 36	Doubt Discussion
Day 37	Test
Day 38	Introduction Of Homogenous Linear Equation
Day 39	Method Of Solution Of Homogenous Linear Differential Equations
Day 40	Examples And Exercise Questions
Day 41	Equations Reducible To Homogenous Linear Form
Day 42	Examples And Exercise Questions
Day 43	Doubt Discussion
Day 44	Doubt Discussion
Day 45	Test
Day 46	Introduction Of Linear Differential Equations Of Second Order
Day 47	Method-1(By Changing The Dependent Variable When An Integral Include Ed In C. F Is Known.)
Day 48	Examples And Exercise Questions
Day 49	Method-2(By Changing The First Derivative & Changing The Dependent Variable.)
Day 50	Examples And Exercise Questions
Day 51	Method-3(By Changing The Independent Variable.)
Day 52	Examples And Exercise Questions
Day 53	Method-4(Variation Of Parameters.)
Day 54	Examples And Exercise Questions
Day 55	Method-5(Undetermined Coefficient.)

Day 56	Examples And Exercise Questions
Day 57	Doubt Discussion
Day 58	Doubt Discussion
Day 59	Test
Day 60	Introduction Of Simultaneous Differential Equations
Day 61	Methods Of Solving Simultaneous Linear Differential Equations Wth Constant Co-Efficients
Day 62	L-By Using Of Operator D
Day 63	Ll-Method Of Differentiation
Day 64	Examples And Exercise Questions
Day 65	Ex-7.2(Examples And Exercise Questions)
Day 66	Continue
Day 67	Ex-7. 3(Examples And Exercise Questions)
Day 68	Continue
Day 69	Doubt Discussion
Day 70	Doubt Discussion
Day 71	Test
Day 72	Introduction Of Total Differential Equations
Day 73	Necessary & Sufficient Condition For The Integrability Of Total Differential Equations
Day 74	Methods Of Solving Total Differential Equations
Day 75	Regarding One Variable As Constant Out Of Three Variable
Day 76	Examples And Exercise Questions
Day 77	Methods For Solving Homogenous Equations
Day 78	Examples And Exercise Questions
Day 79	Method Of Auxiliary Equation
Day 80	Examples And Exercise Questions
Day 81	Revision Of Unit-1
Day 82	Revision Of Unit-1
Day 83	Revision Of Unit-1
Day 84	Test

Day 85	Revision Of Unit-2
Day 86	Revision Of Unit -2
Day 87	Revision Of Unit-3 &4
Day 88	Revision Of Unit-3 &4
Day 89	Revision Of Unit-3 &4
Day 90	Revision Of Unit-3 &4

Name Of The Professor: Dr. Nupur Srivastava **Class And Section: B.Sc 2nd Semester** **Subject: Number Theory And Trigonometry BM-121**	
Day 1	Introduction Of Subject
Day 2	Divisibility
Day 3	Problems On Topic
Day 4	GCD
Day 5	Problems
Day 6	LCM
Day 7	Revision
Day 8	Revision
Day 9	Doubt Class
Day 10	Test
Day 11	Primes
Day 12	Fundamental Theorem Of Arithmetic
Day 13	Linear Cingruence
Day 14	Fermat Theorem
Day 15	Problems
Day 16	Problems
Day 17	Revision

Day 18	Revision
Day 19	Doubt Class
Day 20	Test
Day 21	Willsion Theorem
Day 22	De Moiver Theorem
Day 23	Application Of Theorem
Day 24	Roots Of Complex Numbers
Day 25	Problems
Day 26	Problems
Day 27	Revision
Day 28	Revision
Day 29	Doubt Class
Day 30	Test
Day 31	Solution Of Equation
Day 32	Expansion Of Trignometry Function
Day 33	Circular Function Of Complex Variable
Day 34	Euler Theorem
Day 35	Revision
Day 36	Revision
Day 37	Doubt Class
Day 38	Doubt Class
Day 39	Test
Day 40	Problems
Day 41	Hyperbolic Function
Day 42	Problems
Day 43	Seperation Of Real And Imaginary Parts Of Circular Function
Day 44	Problems
Day 45	Hyperbolic Function
Day 46	Problems
Day 47	Logarithmic Of Complex Quantity

Day 48	Problems
Day 49	General Exponential Function
Day 50	Problems
Day 51	Inverse Circular Function Of Real Variable
Day 52	Problems
Day 53	Doubt Class
Day 54	Revision
Day 55	Revision
Day 56	Test
Day 57	Inverse Hyperbolic Function
Day 58	Problems
Day 59	Georgy Series
Day 60	Problems
Day 61	Summation Of Series
Day 62	Problems
Day 63	Doubt Class
Day 64	Doubt Class
Day 65	Revision
Day 66	Revision
Day 67	Test
Day 68	C+Is Method
Day 69	Series On Binomial
Day 70	Series Depending Upon Exponential Sine And Cosine Series
Day 71	Series On Logarithmic Series
Day 72	Summation Of Series Depending Upon Tanx
Day 73	Hyperbolic Series
Day 74	Euler Function
Day 75	Revision
Day 76	Revision
Day 77	Doubt Class

Day 78	Test
Day 79	Theorem
Day 80	Problems
Day 81	Greatest Integer Function
Day 82	Problems
Day 83	Sigma Function
Day 84	Problems
Day 85	Mobius Function
Day 86	Problems Gauss Lemma And Theorem
Day 87	Doubt Class
Day 88	Doubt Class
Day 89	Doubt Class
Day 90	Test

Name Of The Professor: Ms. Sonia **Class And Section: B.Sc. (N.M) 6th Sem** **Subject: Real & Complex Analysis**	
Day 1	Introduction Of Jacobian
Day 2	Chain Rule For Jacobian
Day 3	Examples & Exercise Questions
Day 4	Functional Dependence
Day 5	Examples & Exercise Questions
Day 6	Introduction Of Beta Function & Properties
Day 7	Theorems On Beta Function
Day 8	Examples And Exercise Questions

Day 9	Introduction Of Gamma Function
Day 10	Relation Between Beta & Gamma Function
Day 11	Duplication Formula
Day 12	Examples & Exercise Questions
Day 13	Doubts Discussion
Day 14	Doubts Discussion
Day 15	Test
Day 16	Introduction Of Double Integral And Questions
Day 17	Substitution Method For Double Integrals
Day 18	Examples And Exercise Questions
Day 19	Introduction Of Triple Integral
Day 20	Substitution Method For Triple Integral
Day 21	Examples And Exercise Questions
Day 22	Application Of Double & Triple Integrals For Finding Area And Volume
Day 23	Dirichlet's Integrals
Day 24	Liouvill's Extension Of Dirichlet's Integrals
Day 25	Examples And Exercise Questions
Day 26	Doubt Class
Day 27	Change Of Order Of Integration
Day 28	Doubt Class
Day 29	Test
Day 30	Introduction Of Fourier Series
Day 31	Determination Of Fourier Coefficient
Day 32	Fourier Series For Even & Odd Function

Day 33	Dirichlet's Conditions
Day 34	Fourier Expansion Of Piecewise Monotonic Continuous Functions
Day 35	Examples And Exercise Questions
Day 36	Fourier Expansion Of Function Having Points Of Discontinuity
Day 37	Doubt Discussion
Day 38	Change Of Interval
Day 39	Examples
Day 40	Half Range Series & Examples
Day 41	Parseval's Identity
Day 42	Examples
Day 43	Doubt Discussion
Day 44	Test
Day 45	Introduction Of Complex Functions
Day 46	Stereographic Projection Of Complex Numbers
Day 47	Limit & Continuity Of A Complex Function
Day 48	Uniform Continuity & Differentiability Of A Complex Function
Day 49	Introduction Of Analytic Function
Day 50	C-R Equation(Proof & Questions)
Day 51	Sufficient Conditions For F(Z) To Be Analytic
Day 52	C-R Equation In Polar Form
Day 53	Orthogonal System, Harmonic Functions
Day 54	Construction Of An Analytic Function
Day 55	Examples And Exercise Questions
Day 56	Application Of Analytic Functions To Field & Flow Problems

Day 57	Doubt Discussion
Day 58	Doubt Discussion
Day 59	Test
Day 60	Introduction Of Elementary Functions & Mobius Transformation
Day 61	Properties
Day 62	Mapping By Elementary Functions
Day 63	Continue
Day 64	Continue
Day 65	Examples And Exercise Questions
Day 66	Doubt Discussion
Day 67	Conformal Mapping
Day 68	Necessary & Sufficient Conditions For The Transformation
Day 69	Linear Transformation
Day 70	Mobius Transformation
Day 71	Theorems On Mobius Transformation
Day 72	Theorems
Day 73	Cross Ratio
Day 74	Inverse Points
Day 75	Theorems
Day 76	Doubts Discussion
Day 77	Examples
Day 78	Test
Day 79	Introduction Of Critical Mapping
Day 80	Examples And Exercise Questions

Day 81	Doubts Discussion
Day 82	Test
Day 83	Revision Of Unit-1
Day 84	Doubts Discussion
Day 85	Revision Of Unit-2
Day 86	Doubts Discussion
Day 87	Revision Of Unit-3
Day 88	Doubts Discussion
Day 89	Revision Of Unit-4
Day 90	Doubts Discussion

Name Of The Professor: Ms. Sonia **Class And Section: B.Sc. (N.M) 3rdsem** **Subject: Sequence &Series**	
Day 1	Introduction Of Boundedness Of The Set Of Real Numbers
Day 2	Least Upper Bound & Greatest Lower Bound Of A Set And Some Theorems Related To Lub & Glb.
Day 3	Discuss Examples Related To Lub & Glb
Day 4	Neighborhood Of A Point, Interior Point Of A Set
Day 5	Open Sets And It's Theorems
Day 6	Closed Set And It's Theorems
Day 7	Introduction Of Limit Point Of A Set, Derived Set, Closure Of A Set
Day 8	Bolzano Weierstrass Theorem, & Some Theorems On Limit Points

Day 9	Theorems On Closure Of A Set
Day 10	Discussion Of Exercise Questions
Day 11	Introduction Of Compact Set, Cover & Open Cover
Day 12	Heine Borel Theorem & It's Converse
Day 13	Doubt Discussion
Day 14	Test
Day 15	Introduction Of Sequence, Bdd. Sequence & It's Convergence
Day 16	Theorems On Convergent Sequence & Divergent Sequence
Day 17	Null Sequence & It's Theorems
Day 18	Examples And Exercise Questions
Day 19	Theorems On Limit Of Sequence
Day 20	Squeeze Principle, Cauchy's First Theorem & Second Theorem
Day 21	Examples And Exercise Questions
Day 22	Monotonic Sequence & It's Theorems On Convg. & Divg.
Day 23	Nested Sequence & It's Theorems
Day 24	Examples And Exercise Questions
Day 25	Limit Point Or Cluster Point & It's Theorems
Day 26	Bolzano Weierstrass Theorem, Cauchy's Sequence
Day 27	Cauchy's General Principle Of Convergence & It's Questions
Day 28	Introduction Of Subsequence & It's Theorems
Day 29	Doubts Discussion
Day 30	Test
Day 31	Introduction Of Infinite Series & It's Convergence & Divergence
Day 32	Theorems On Convergence Of Infinite Series

Day 33	Cauchy's General Principle Of Convergence & Theorems
Day 34	Comparison Tests
Day 35	Comparison Tests Continue
Day 36	Hyper Harmonic Series & It's Questions
Day 37	Doubt Class
Day 38	Test
Day 39	D'Alembert's Ratio Test & It's Questions
Day 40	Cauchy's Root Test & It's Questions
Day 41	Raabe's Test & It's Questions
Day 42	Logarithmic Test & It's Questions
Day 43	De Morgan's And Bertrand's Test & It's Questions
Day 44	Doubts Discussion
Day 45	Gauss Test & It's Questions
Day 46	Cauchy's Integral Test & It's Questions
Day 47	Doubts Discussion
Day 48	Cauchy's Condensation Test & It's Questions
Day 49	Doubts Discussion
Day 50	Test
Day 51	Introduction Of Alternative Series
Day 52	Leibnitz's Test & It's Questions
Day 53	Absolute Convergence & Conditional Convergence & Theorems
Day 54	Examples And Exercise Questions
Day 55	Doubts Discussion
Day 56	Test

Day 57	Introduction Of Arbitrary Series
Day 58	Abel's Lemma, Abel's Test
Day 59	Dirichlet's Test & It's Questions
Day 60	Insertion And Removal Of Parenthesis
Day 61	Riemann's Rearrangement Theorem
Day 62	Multiplication Of Series, Product Theorem
Day 63	Cauchy's Theorem, Mertin's Theorem, Cesaro's Theorem, Abel's Theorem
Day 64	Examples & Exercise Questions
Day 65	Doubts Discussion
Day 66	Test
Day 67	Introduction Of Infinite Products & It's Convergence
Day 68	Examples & Exercise Questions
Day 69	Theorems Of An Infinite Products
Day 70	Absolute Convergence Of An Infinite Products
Day 71	Examples & Exercise Questions
Day 72	Doubts Discussion
Day 73	Test
Day 74	Revision Of Ch-1
Day 75	Revision Of Ch-1
Day 76	Revision Of Ch-1
Day 77	Doubts Discussion
Day 78	Test
Day 79	Revision Of Unit-2
Day 80	Revision Of Unit-2

Day 81	Revision Of Unit-2
Day 82	Doubts Discussion
Day 83	Test
Day 84	Revision Of Unit-3
Day 85	Revision Of Uni-3
Day 86	Doubts Discussion
Day 87	Test
Day 88	Revision Of Unit-4
Day 89	Doubts Discussion
Day 90	Doubts Discussion

Name Of Professor: Ms. Shivani Gandhi **Class And Section: B.Sc. (N.M) & B.A (4th Sem)** **Subject: Programming In 'C' And Numerical Methods**	
Day 1	Syllabus And Examination Scheme Discussed
Day 2	Ch 1 (Computers: A General Introduction)
Day 3	Continued….. Ch 1 (Computers: A General Introduction)
Day 4	Exercise Of Ch-1
Day 5	Exercise Of Ch-1
Day 6	Introduction To C (Ch-2)
Day 7	Introduction To C (Ch-2)
Day 8	Exercise Of Ch-2
Day 9	Data Types (Ch-3)
Day 10	Data Types (Ch-3)

Day 11	Exercise Of Ch-3
Day 12	Operators(Ch-4)
Day 13	Operators(Ch-4)
Day 14	Exercise Of Ch-4
Day 15	Doubts Of Ch-3 And Ch-4
Day 16	Decision Control Structure (Ch-5)
Day 17	Decision Control Structure (Ch-5)
Day 18	Exercise Of Ch-5
Day 19	Loops (Ch-6)
Day 20	Exercise Of Ch-6
Day 21	Doubts In Ch-5 And Ch-6
Day 22	Assignment On Ch 5 And Ch 6
Day 23	Functions (Ch-7)
Day 24	Functions (Ch-7)
Day 25	Ex Ch 7
Day 26	Doubts Of Ch -7
Day 27	Preprocessor(Ch-8)
Day 28	Preprocessor(Ch-8)
Day 29	Array(Ch-9)
Day 30	Array(Ch-9)
Day 31	Array (Ex Of Ch-9)
Day 32	Array (Ex Of Ch-9)
Day 33	Doubts Related To Array
Day 34	String(Ch-10)

Day 35	String(Ch-10)
Day 36	String (Ex Of Ch-10)
Day 37	Doubts Of Ch-10
Day 38	Preliminaries Of Numerical Methods
Day 39	Bi-Section Method And Examples
Day 40	Ex Of Bi-Section Method
Day 41	Regula Falsi Method And Secant Method And Examples
Day 42	Ex Of Regula Falsi And Secant Method
Day 43	Newton Rapson Method
Day 44	Examples
Day 45	Exercise Of Newton Rapson Method
Day 46	Exercise
Day 47	Order Of Convergence Of Above Methods
Day 48	Comparative Study Of Above Methods
Day 49	Doubts
Day 50	Test
Day 51	Gauss Elimination Method And Its Examples
Day 52	Exercise Of Gauss Elimination Method
Day 53	Gauss Jordan Method And Its Examples
Day 54	Exercise Of Gauss Jordan Method
Day 55	Triangularization Methods: Doolittle’s Method And Example
Day 56	Grout's Triangularization Method And Example
Day 57	Exercise Of Doolittle’s Method And Grout's Riangularization Method
Day 58	Grout's Method

Day 59	Exercise Of Grout's Method
Day 60	Cholesky’s Decomposition Method And Its Examples
Day 61	Exercise Of Cholesky’s Decomposition Method
Day 62	Iterative Methods: Jacobi’s Method And Its Example
Day 63	Exercise
Day 64	Gauss Seidel’s Method And Its Example
Day 65	Exercise
Day 66	Relaxation Method And Its Example
Day 67	Exercise Of Iterative Methods
Day 68	Doubts
Day 69	Test
Day 70	Ch-11 (Structures And Unions): Structures
Day 71	Ch-11 (Structures And Unions): Unions
Day 72	Ch-12 (Pointers)
Day 73	Exercise Of Pointers
Day 74	REVISION Of Chapter 1 And 2
Day 75	REVISION Of Chapter 3 And 4
Day 76	REVISION Of Chapter 5 And 6
Day 77	REVISION Of Chapter 7 And 8
Day 78	REVISION Of Chapter 9 And 10
Day 79	REVISION Of Chapter 11 And 12
Day 80	REVISION Of Chapter 13 And 14
Day 81	REVISION Of Bisection Method, Regula Falsi Method, Newton Method
Day 82	REVISION Of Gauss Elimination And Gauss Jordan Methods

Day 83	REVISION Of Doolittle's, Crout's Triangularization And Crout's Method
Day 84	REVISION Of Cholesky's Decomposition, Jacobi's, Gauss Seidel's And Relaxation Methods
Day 85	Question Paper 2017
Day 86	Question Paper 2018
Day 87	Question Paper 2019
Day 88	Question Paper 2020
Day 89	Question Paper 2021
Day 90	Question Paper 2022

Name Of The Professor: Ms. Garima Mehta **Class And Section: B.Sc. & B.A 2nd Sem** **Subject: Vector Calculus**	
Day 1	Introduction Of Syllabus
Day 2	Some Definitions Based On Vector Calculus
Day 3	Scalar Triple Product
Day 4	Vector Triple Product
Day 5	Difference Between Scalar And Vector Product
Day 6	Examples
Day 7	Exercise
Day 8	Exercise Cont..
Day 9	Doubts
Day 10	Product Of Four Vectors
Day 11	Reciprocal Vectors
Day 12	Problems
Day 13	Doubt Class
Day 14	Revision
Day 15	Assignment
Day 16	Test
Day 17	Vector Differentiation
Day 18	Scalar Valued Point Function
Day 19	Vector Valued Point Function
Day 20	Examples
Day 21	Exercise

Day 22	Doubt Class
Day 23	Revision
Day 24	Derivative Along A Curve
Day 25	Directional Derivatives
Day 26	Examples
Day 27	Examples Cont..
Day 28	Examples Cont..
Day 29	Exercise
Day 30	Exercise Cont..
Day 31	Doubt Class
Day 32	Revision
Day 33	Revision
Day 34	Revision
Day 35	Revision
Day 36	Test
Day 37	Gradient Of A Scalar Point Function
Day 38	Geometrical Representation Of A Grad Phy
Day 39	Character Of Gradient As A Point Function
Day 40	Examples
Day 41	Exercise Cont..
Day 42	Exercise Cont..
Day 43	Exercise Cont..
Day 44	Doubt Class

Day 45	Test
Day 46	Revision
Day 47	Divergence Of Vector Point Function
Day 48	Problems
Day 49	Problems
Day 50	Doubt Class
Day 51	Curl Of Vector Point Function
Day 52	Examples
Day 53	Test
Day 54	Problems
Day 55	Doubts
Day 56	Characters Of Divergence F Vector
Day 57	Curl F Vector As A Point Function
Day 58	Examples
Day 59	Problems
Day 60	Problems
Day 61	Doubt Class
Day 62	Revision
Day 63	Gradient,Curl And Divergence
Day 64	Doubt Class
Day 65	Assignment
Day 66	Test
Day 67	Gradient Of Sums And Product And Related Vector Identities

Day 68	Exercise
Day 69	Exercise
Day 70	Asignment
Day 71	Test
Day 72	Doubt Class
Day 73	Curvilinear Coordinates System
Day 74	Problems
Day 75	Orthogonality
Day 76	Examples
Day 77	Exercise
Day 78	Exercise Cont..
Day 79	Doubt Class
Day 80	Doubt Class
Day 81	Test
Day 82	Vector Integration
Day 83	Line Integral
Day 84	Problems
Day 85	Problems
Day 86	Surface Integral
Day 87	Problems
Day 88	Revision Of Unit 1 &2
Day 89	Revision Of Unit 3
Day 90	Revision Of Unit 4

Name Of The Professor: Ms. Garima Mehta **Class And Section: B.Sc. & B.A Sem 4th** **Subject: Special Function & Laplace Transformation Integral**	
Day 1	Introduction To Power Series And Its Convergence
Day 2	Interval Of Convergence
Day 3	Examples & Exercise Problems
Day 4	Doubt Class
Day 5	Various Operation On Power Series
Day 6	Analytic Function
Day 7	*Existence Of Power Series Solution And Theorems On It*
Day 8	Solution Of Differential Equations In Series About An Ordinary Point Other Than Zero
Day 9	Frobenius Method
Day 10	Example An Dexercise Problems
Day 11	Doubt Class
Day 12	Solution Of Differential Equations When Roots Of Indical Equations Are Equal
Day 13	Example And Exercise Questions
Day 14	Solution Of Indical Equations When Roots Are Un-Equal
Day 15	Exercise And Example Question
Day 16	Solution Of Indical Equations When Roots Are Un-Equal And Differ By An Integer
Day 17	Example And Exercise Questions
Day 18	Doubt Class
Day 19	Introduction To Betafunction &Itspropertych-2

Day 20	Example And Exercise Questions
Day 21	Representation Of Bessel's Function In Integral Form
Day 22	Exercise And Example Problem
Day 23	Orthogonality Relation To Bessel's Function
Day 24	Revision/Presentation Of Formulas
Day 25	Test Of CH-1 &2
Day 26	Introduction To Legendre's Equations And Its Solution CH-3
Day 27	Rodrigue's Formula And Derivation Of Legendre's Polynomial
Day 28	Generating Function
Day 29	*Recurrence Relation*
Day 30	Example And Exercise Problems
Day 31	Doubt Class
Day 32	Orthogonality Of Legendre's Polynomial
Day 33	*Examples And Exercise Questions*
Day 34	Assignment Of Ch-3
Day 35	Introduction To Hermite's Equations And It's Solution CH-4
Day 36	Generating Function For Hermite's Polynomial
Day 37	*Examples And Exercise Questions*
Day 38	Rodrigue's Formula And Derivation Of Hermite's Polynomial
Day 39	Recurrence Relation/ Orthogonal Properties
Day 40	Exercise And Example Problem
Day 41	Bessel's Equations And It's Solution
Day 42	*Example And Exercise Questions*

Day 43	Representation Of Bessel's Function In Integral Form
Day 44	Introduction To Laplace Transformation Ch-5
Day 45	Property Of Laplace Transform
Day 46	Example And Exercise Questions
Day 47	Important Results Of Laplace Transform
Day 48	Shifting Theorem
Day 49	Examplesandexerciseproblems
Day 50	Laplace Transform Of Derivative And Its Problems
Day 51	Laplace Transform Of Integrals And Its Problems
Day 52	Laplace Transform Of Some Special Function
Day 53	Example And Exercise Questions
Day 54	Doubts Class
Day 55	TEST Of Ch-5
Day 56	Introductiontoinverselaplacetransformch-6
Day 57	Example And Exercise Questions
Day 58	Convolution Theorem
Day 59	Solution Of Differential Equations By Transform Method
Day 60	Examples And Exercise Questions
Day 61	Test Of Ch-6
Day 62	Application Of Laplace Transformation To Integral Equations Ch-7
Day 63	Example And Exercise
Day 64	Solution Of Simultaneous Equation
Day 65	Doubtclass
Day 66	Solutionofdifferentialequationsbylaplacetransformationch-8

Day 67	Example
Day 68	Exercise Problems
Day 69	Doubt Class Of Ch-8.1
Day 70	Doubt Class Of Ch-8.2
Day 71	Introduction To Fourier Transform Ch-9
Day 72	Examples And Properties Of Fourier
Day 73	Exercise 9.1
Day 74	Doubt Class
Day 75	Introduction To Fourier Inverse Transform
Day 76	Examples
Day 77	Exercise
Day 78	Fourier Cosine Transform
Day 79	Example And Exercise Questions
Day 80	Fourier Cosine Transform
Day 81	Example
Day 82	Exercise Questions
Day 83	Doubt Class
Day 84	SUNDAY
Day 85	Revision Of Ch-9,10
Day 86	Test Of Ch-9&8
Day 87	Revision Of Unit –I
Day 88	Revision Of Unit –II
Day 89	Revision Of Unit II
Day 90	Revision Of Unit-IV

Name Of The Professor: Ms. Anita **Class And Section: B.Sc. M , 2nd Semester** **Subject: Organic Chemistry**	
Day 1	Unit 1 - Alkenes :Nomenclature Of Alkenes, , Mechanisms Of DehydrationOf Alcohols And Dehydrohalogenation Of Alkyl Halides
Day 2	The Saytzeff Rule, Hofmann Elimination,
Day 3	Physical Properties And Relative Stabilities Of Alkenes
Day 4	Chemical Reactions Of Alkenes
Day 5	Mechanisms Involved In Hydrogenation
Day 6	Electrophilic And Free Radical Additions
Day 7	Markownikoff's Rule, Hydroboration–Oxidation, Oxymercuration Reduction
Day 8	Practical Work
Day 9	Doubt Class
Day 10	Test / Assignment
Day 11	Practical Work
Day 12	Practical Work
Day 13	Unit 2 - Arenes And Aromaticity Nomenclature Of Benzene Derivatives
Day 14	Aromaticity: The Huckel Rule,
Day 15	Practical Work
Day 16	Practical Work
Day 17	Aromatic, Anti - Aromatic And Non – Aromatic Compounds
Day 18	Annulenes Up To 10 Carbon Atoms,
Day 19	Practical Work
Day 20	Practical Work
Day 21	Aromatic Electrophilic Substitution, General Pattern Of The Mechanism,
Day 22	Aromatic Electrophilic Substitution, General Pattern Of The Mechanism,

Day 23	Practical Work
Day 24	Practical Work
Day 25	Mechanism Of Nitration, Sulphonation
Day 26	Mechanism Of Halogination Alkylation , Acylation
Day 27	Practical Work
Day 28	Practical Work
Day 29	Energy Profile Diagrams Of Chemical Reactions
Day 30	Activating , Deactivating Substituents And Orientation Of Substituted Benzene
Day 31	Practical Work
Day 32	Practical Work
Day 33	Assignment
Day 34	Assignment Discussion
Day 35	Practical Work
Day 36	Practical Work
Day 37	Doubt Class
Day 38	Test
Day 39	Practical Work
Day 40	Practical Work
Day 41	Unit 3 - Nomenclature And Classification Of Dienes: Isolated, Conjugated And Cumulated Dienes
Day 42	Diels-Alder Reaction
Day 43	Practical Work
Day 44	Practical Work
Day 45	Structure Of Butadiene,. Chemical Reactions 1,2 And 1,4 Additions(Electrophilic & Free Radical Mechanism),
Day 46	Structure Of Butadiene,. Chemical Reactions 1,2 And 1,4 Additions(Electrophilic & Free Radical Mechanism),

Day 47	Practical Work
Day 48	Practical Work
Day 49	Nomenclature, Structure And Bonding In Alkynes,
Day 50	Methods Of Formation Of Alkynes
Day 51	Practical Work
Day 52	Practical Work
Day 53	Chemical Reactions Of Alkynes , Acidity Of Alkynes
Day 54	Chemical Reactions Of Alkynes , Acidity Of Alkynes
Day 55	Practical Work
Day 56	Practical Work
Day 57	Doubt Class
Day 58	Test
Day 59	Practical Work
Day 60	Practical Work
Day 61	Unit 4 - Nomenclature And Classes Of Alkyl Halides, ,
Day 62	Methods Of Formation Chemical Reactions.
Day 63	Practical Work
Day 64	Practical Work
Day 65	Mechanisms And Stereochemistry Of Nucleophilic Substitution Reactions Of Alkyl Halides
Day 66	SN2 And SN1reactions With Energy Profile Diagrams
Day 67	Practical Work
Day 68	Practical Work
Day 69	Methods Of Formation And Reactions Of Aryl Halides,
Day 70	Methods Of Formation And Reactions Of Aryl Halides,

Day 71	Practical Work
Day 72	Practical Work
Day 73	The Addition - Elimination And The Elimination-Addition Mechanisms Of Nucleophilic Aromatic Substitution Reactions.
Day 74	Relative Reactivities Of Alkyl Halides Vs Allyl, Vinyl And Aryl Halides.
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test
Day 79	Practical Work
Day 80	Practical Work
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: Ms. Anita
Class And Section: B.Sc. NM , 2nd Semester
Subject: Organic Chemistry

Day 1	Unit 1 - Alkenes :Nomenclature Of Alkenes, , Mechanisms Of DehydrationOf Alcohols And Dehydrohalogenation Of Alkyl Halides
Day 2	The Saytzeff Rule, Hofmann Elimination,
Day 3	Physical Properties And Relative Stabilities Of Alkenes
Day 4	Chemical Reactions Of Alkenes
Day 5	Mechanisms Involved In Hydrogenation
Day 6	Electrophilic And Free Radical Additions
Day 7	Markownikoff's Rule, Hydroboration–Oxidation, Oxymercuration Reduction
Day 8	Practical Work
Day 9	Doubt Class
Day 10	Test / Assignment
Day 11	Practical Work
Day 12	Practical Work
Day 13	Unit 2 - Arenes And Aromaticity Nomenclature Of Benzene Derivatives
Day 14	Aromaticity: The Huckel Rule,
Day 15	Practical Work
Day 16	Practical Work
Day 17	Aromatic, Anti - Aromatic And Non – Aromatic Compounds
Day 18	Annulenes Up To 10 Carbon Atoms,
Day 19	Practical Work
Day 20	Practical Work
Day 21	Aromatic Electrophilic Substitution, General Pattern Of The Mechanism,

Day 22	Aromatic Electrophilic Substitution, General Pattern Of The Mechanism,
Day 23	Practical Work
Day 24	Practical Work
Day 25	Mechanism Of Nitration, Sulphonation
Day 26	Mechanism Of Halogination Alkylation , Acylation
Day 27	Practical Work
Day 28	Practical Work
Day 29	Energy Profile Diagrams Of Chemical Reactions
Day 30	Activating , Deactivating Substituents And Orientation Of Substituted Benzene
Day 31	Practical Work
Day 32	Practical Work
Day 33	Assignment
Day 34	Assignment Discussion
Day 35	Practical Work
Day 36	Practical Work
Day 37	Doubt Class
Day 38	Test
Day 39	Practical Work
Day 40	Practical Work
Day 41	Unit 3 - Nomenclature And Classification Of Dienes: Isolated, Conjugated And Cumulated Dienes
Day 42	Diels-Alder Reaction
Day 43	Practical Work
Day 44	Practical Work
Day 45	Structure Of Butadiene,. Chemical Reactions 1,2 And 1,4 Additions(Electrophilic & Free Radical Mechanism),

Day 46	Structure Of Butadiene,. Chemical Reactions 1,2 And 1,4 Additions(Electrophilic &Free Radical Mechanism),
Day 47	Practical Work
Day 48	Practical Work
Day 49	Nomenclature, Structure And Bonding In Alkynes,
Day 50	Methods Of Formation Of Alkynes
Day 51	Practical Work
Day 52	Practical Work
Day 53	Chemical Reactions Of Alkynes , Acidity Of Alkynes
Day 54	Chemical Reactions Of Alkynes , Acidity Of Alkynes
Day 55	Practical Work
Day 56	Practical Work
Day 57	Doubt Class
Day 58	Test
Day 59	Practical Work
Day 60	Practical Work
Day 61	Unit 4 - Nomenclature And Classes Of Alkyl Halides, ,
Day 62	Methods Of Formation Chemical Reactions.
Day 63	Practical Work
Day 64	Practical Work
Day 65	Mechanisms And Stereochemistry Of Nucleophilic Substitution Reactions Of Alkyl Halides
Day 66	SN2 And SN1reactions With Energy Profile Diagrams
Day 67	Practical Work
Day 68	Practical Work

Day 69	Methods Of Formation And Reactions Of Aryl Halides,
Day 70	Methods Of Formation And Reactions Of Aryl Halides,
Day 71	Practical Work
Day 72	Practical Work
Day 73	The Addition - Elimination And The Elimination-Addition Mechanisms Of Nucleophilic Aromatic Substitution Reactions.
Day 74	Relative Reactivities Of Alkyl Halides Vs Allyl, Vinyl And Aryl Halides.
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test
Day 79	Practical Work
Day 80	Practical Work
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: Ms. Anita
Class And Section: B.Sc. 4th Sem (N.Med.)
Subject: Physical Chemistry

Day 1	Unit 1 - Thermodynamics-III Second Law Of Thermodynamics, Need For TheLaw, Different Statements Of The Law, Carnot's Cycles And Its Efficiency
Day 2	Carnot's Theorem, Thermodynamics Scale Of Temperature.
Day 3	Concept Of Entropy – Entropy As A State Function, Entropy As A Function Of V& T, Entropy As A Function Of P & T
Day 4	Practical Work
Day 5	Entropy Change In Physical Change, Entropy As A Criteria Of Spontaneity And Equilibrium
Day 6	Practical Work
Day 7	Entropy Change In Ideal Gases And Mixing Of Gases.
Day 8	Practical Work
Day 9	Doubt Class
Day 10	Test / Assignment
Day 11	Practical Work
Day 12	Unit 2 - Thermodynamics-IV Third Law Of Thermodynamics: Nernst HeatTheorem
Day 13	Practical Work
Day 14	Statement Of Concept Of Residual Entropy, Evaluation Of Absolute EntropyFrom Heat Capacity Data
Day 15	Practical Work
Day 16	Gibbs And Helmholtz Functions; Gibbs Function (G) And Helmholtz Function (A) As Thermodynamic Quantities
Day 17	. Practical Work
Day 18	. A & G As Criteria For Thermodynamic Equilibrium And Spontaneity, Their Advantage Over Entropy Change
Day 19	. Practical Work
Day 20	Variation Of G And A With P, V And T.

Day 21	. Practical Work
Day 22	Revision
Day 23	Test / Assignment
Day 24	Practical Work
Day 25	Practical Work
Day 26	Unit 3 - Electrochemistry-III Electrolytic And Galvanic Cells –
Day 27	Reversible & Irreversible Cells ,
Day 28	Practical Work
Day 29	Practical Work
Day 30	Conventional Representation Of Electrochemical Cells
Day 31	EMF Of Cell And Its Measurement,
Day 32	Practical Work
Day 33	Practical Work
Day 34	Weston Standard Cell, Activity And Activity Coefficients.
Day 35	Calculation Of Thermodynamic Quantities Of Cell Reaction (G, H & K).
Day 36	Practical Work
Day 37	Practical Work
Day 38	Types Of Reversible Electrodes – Metal-Metal, Ion Gas Electrode
Day 39	Metal –Insoluble Salt- Anion And Redox Electrodes
Day 40	Practical Work
Day 41	Practical Work
Day 42	Electrode Reactions, Nernst Equations,
Day 43	Derivation Of Cell EMF And Single Electrode Potential
Day 44	Practical Work

Day 45	Practical Work
Day 46	Standard Hydrogen Electrode,
Day 47	Reference Electrodes
Day 48	Practical Work
Day 49	Practical Work
Day 50	Standard Electrodes Potential, Sign Conventions,
Day 51	Electrochemical Series AndIts Applications
Day 52	Practical Work
Day 53	Practical Work
Day 54	Revision
Day 55	Test / Assignment
Day 56	Practical Work
Day 57	Practical Work
Day 58	Unit 4 - Electrochemistry-IV Concentration Cells With And Without Transference,
Day 59	Concentration Cells Without Transference,
Day 60	Practical Work
Day 61	Practical Work
Day 62	Determenation Of Liquid Junction Potential
Day 63	Application Of EMF Measurement I.E. Valency Of Ions, Solubility Product Activity Coefficient
Day 64	Practical Work
Day 65	Practical Work
Day 66	Application Of EMF Measurement I.E. Valency Of Ions, Solubility Product Activity Coefficient
Day 67	Potentiometric Titration (Acid- Base And Redox)
Day 68	Practical Work

Day 69	Practical Work
Day 70	Determination Of Ph Using Quinhydrone Electrode By Potentiometric Methods
Day 71	Practical Work
Day 72	Practical Work
Day 73	Determination Of Ph Using Hydrogen Electrode, By Potentiometric Methods
Day 74	Determination Of Ph Using Glass Electrode By Potentiometric Methods
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test / Assignment
Day 79	Practical Work
Day 80	Practical Work
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: **Class And Section: B.Sc. 4th Sem (N.Med.)** **Subject: Physical Chemistry**	
Day 1	Unit 1 - Thermodynamics-III Second Law Of Thermodynamics, Need For TheLaw, Different Statements Of The Law, Carnot's Cycles And Its Efficiency
Day 2	Carnot's Theorem, Thermodynamics Scale Of Temperature.
Day 3	Concept Of Entropy – Entropy As A State Function, Entropy As A Function Of V& T, Entropy As A Function Of P & T
Day 4	Practical Work
Day 5	Entropy Change In Physical Change, Entropy As A Criteria Of Spontaneity And Equilibrium
Day 6	Practical Work
Day 7	Entropy Change In Ideal Gases And Mixing Of Gases.
Day 8	Practical Work
Day 9	Doubt Class
Day 10	Test / Assignment
Day 11	Practical Work
Day 12	Unit 2 - Thermodynamics-IV Third Law Of Thermodynamics: Nernst HeatTheorem
Day 13	Practical Work
Day 14	Statement Of Concept Of Residual Entropy, Evaluation Of Absolute EntropyFrom Heat Capacity Data
Day 15	Practical Work
Day 16	Gibbs And Helmholtz Functions; Gibbs Function (G) And Helmholtz Function (A) As Thermodynamic Quantities
Day 17	Practical Work
Day 18	A & G As Criteria For Thermodynamic Equilibrium And Spontaneity, Their Advantage Over Entropy Change
Day 19	Practical Work
Day 20	Variation Of G And A With P, V And T.
Day 21	Practical Work

Day 22	Revision
Day 23	Test / Assignment
Day 24	Practical Work
Day 25	Practical Work
Day 26	Unit 3 - Electrochemistry-III Electrolytic And Galvanic Cells –
Day 27	Reversible & Irreversible Cells ,
Day 28	Practical Work
Day 29	Practical Work
Day 30	Conventional Representation Of Electrochemical Cells
Day 31	EMF Of Cell And Its Measurement,
Day 32	Practical Work
Day 33	Practical Work
Day 34	Weston Standard Cell, Activity And Activity Coefficients.
Day 35	Calculation Of Thermodynamic Quantities Of Cell Reaction (G, H & K).
Day 36	Practical Work
Day 37	Practical Work
Day 38	Types Of Reversible Electrodes – Metal-Metal, Ion Gas Electrode
Day 39	Metal –Insoluble Salt- Anion And Redox Electrodes
Day 40	Practical Work
Day 41	Practical Work
Day 42	Electrode Reactions, Nernst Equations,
Day 43	Derivation Of Cell EMF And Single Electrode Potential
Day 44	Practical Work
Day 45	Practical Work

Day 46	Standard Hydrogen Electrode,
Day 47	Reference Electrodes
Day 48	Practical Work
Day 49	Practical Work
Day 50	Standard Electrodes Potential, Sign Conventions,
Day 51	Electrochemical Series AndIts Applications
Day 52	Practical Work
Day 53	Practical Work
Day 54	Revision
Day 55	Test / Assignment
Day 56	Practical Work
Day 57	Practical Work
Day 58	Unit 4 - Electrochemistry-IV Concentration Cells With And Without Transference,
Day 59	Concentration Cells Without Transference,
Day 60	Practical Work
Day 61	Practical Work
Day 62	Determenation Of Liquid Junction Potential
Day 63	Application Of EMF Measurement I.E. Valency Of Ions, Solubility Product Activity Coefficient
Day 64	Practical Work
Day 65	Practical Work
Day 66	Application Of EMF Measurement I.E. Valency Of Ions, Solubility Product Activity Coefficient
Day 67	Potentiometric Titration (Acid- Base And Redox)
Day 68	Practical Work
Day 69	Practical Work

Day 70	Determination Of Ph Using Quinhydrone Electrode By Potentiometric Methods
Day 71	Practical Work
Day 72	Practical Work
Day 73	Determination Of Ph Using Hydrogen Electrode, By Potentiometric Methods
Day 74	Determination Of Ph Using Glass Electrode By Potentiometric Methods
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test / Assignment
Day 79	Practical Work
Day 80	Practical Work
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: Ms Priyanka Bhatia **Class And Section: B.Sc. Medical Third Yr Seca** **Subject: Organic Chemistry**	
Day 1	Introduction To Heterocyclic Compounds-1
Day 2	Molecular Orbital Picture And Aromatic Charcateristics Of Pyrrole,Furan,Thiophene
Day 3	Methods Of Synthesis Of Pyrrole,Furan
Day 4	Methods Of Synthesis Of Thiophene And Chemical Reactions
Day 5	Mechanism Of Electrophilic And Nucleophilic Substitution
Day 6	Pyridine And Its Aromatic Character
Day 7	Methods Of Synthesis And Recations Of Pyridine
Day 8	Comparison Of Basicity Of Pyridine,Piperidine And Pyrrole.
Day 9	Test Of Unit1
Day 10	Introduction To Condensed Five And Six Membered Heterocycles
Day 11	Preparation Of Indole Fisher Indole Synthesis
Day 12	Preparation Of Quinoline Skraup Synthesis
Day 13	Preparation Of Isoquinoline Bischler Napieralski Synthesis
Day 14	Mechanism Of Electrophilic And Nucleophilic Reaction
Day 15	Test Of Unit-2
Day 16	Nomenclature Of Organosulphur Compounds,Structural Features
Day 17	Methods Of Formation And Chemical Reactions Of Thiols,Thioethers
Day 18	Sulphonic Acids,Sulphonamides And Sulphaguanidine
Day 19	Synthetic Detergents Alkyl And Aryl Sulphonates
Day 20	Practical Work
Day 21	Practical Work
Day 22	Test Of Unit-3

Day 23	Introduction To Enolates ,Acidity Of Alpha Hydrogens
Day 24	Practical Work
Day 25	Alkylation Of Diethyl Malonate And Different Synthesis Of Compounds
Day 26	Synthesis Of Ethyl Acetoacetate- Claisen Condensation
Day 27	Practical Work
Day 28	Alkylation Of Ethyl Acetoacetate And Organic Synthesis
Day 29	Keto-Enol Tautomerism Of Ethyl Acetoacetate
Day 30	Practical Work
Day 31	Doubt Class
Day 32	Test Of Unit-4
Day 33	Practical Work
Day 34	Addition And Condensation Polymerization
Day 35	Free Radical,Ionic Vinyl Polymerisation
Day 36	Practical Work
Day 37	Ziegler -Natta Polymerisation,Vinyl Polymers
Day 38	Polyesters,Polyamides,Phenolformaldehyde Resins
Day 39	Practical Work
Day 40	Practical Work
Day 41	Assignment
Day 42	Urea Formaldehyde Resins,
Day 43	Practical Work
Day 44	Practical Work
Day 45	Epoxy Resins And Polyurethanes
Day 46	Natural And Synthetic Rubbers

Day 47	Practical Work
Day 48	Practical Work
Day 49	Doubt Class
Day 50	Test
Day 51	Practical Work
Day 52	Practical Work
Day 53	Classification Of Amino Acids,
Day 54	Acid Base Behavior,Isoelectric Point
Day 55	Practical Work
Day 56	Practical Work
Day 57	Electrophoresis,
Day 58	Preparation Of Amino Acids
Day 59	Practical Work
Day 60	Practical Work
Day 61	Structures And Nomenclature Of Peptides And Proteins,
Day 62	Classification Of Proteins
Day 63	Practical Work
Day 64	Practical Work
Day 65	Structures And Nomenclature Of Peptides And Proteins,Classification Of Proteins
Day 66	Structures And Nomenclature Of Peptides And Proteins,Classification Of Proteins
Day 67	Practical Work
Day 68	Practical Work
Day 69	Peptide Structure Determination ,End Group Analysis,

Day 70	Selective Hydrolysis Of Peptides
Day 71	Practical Work
Day 72	Practical Work
Day 73	Classical Peptide Synthesis,Solid Phase Peptide Synthesis
Day 74	Classical Peptide Synthesis,Solid Phase Peptide Synthesis
Day 75	Practical Work
Day 76	Practical Work
Day 77	Primary And Secondary Structure
Day 78	Test Of Unit-5,6
Day 79	Practical Work
Day 80	Practical Work
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: Ms Priyanka Bhatia **Class And Section: B.Sc. Non Medical Third Yr** **Subject: Organic Chemistry**	
Day 1	Introduction To Heterocyclic Compounds-1
Day 2	Molecular Orbital Picture And Aromatic Charcateristics Of Pyrrole,Furan,Thiophene
Day 3	Methods Of Synthesis Of Pyrrole,Furan
Day 4	Methods Of Synthesis Of Thiophene And Chemical Reactions
Day 5	Mechanism Of Electrophilic And Nucleophilic Substitution
Day 6	Pyridine And Its Aromatic Character
Day 7	Methods Of Synthesis And Recations Of Pyridine
Day 8	Comparison Of Basicity Of Pyridine,Piperidine And Pyrrole.
Day 9	Test Of Unit1
Day 10	Introduction To Condensed Five And Six Membered Heterocycles
Day 11	Preparation Of Indole Fisher Indole Synthesis
Day 12	Preparation Of Quinoline Skraup Synthesis
Day 13	Preparation Of Isoquinoline Bischler Napieralski Synthesis
Day 14	Mechanism Of Electrophilic And Nucleophilic Reaction
Day 15	Test Of Unit-2
Day 16	Nomenclature Of Organosulphur Compounds,Structural Features
Day 17	Methods Of Formation And Chemical Reactions Of Thiols,Thioethers
Day 18	Sulphonic Acids,Sulphonamides And Sulphaguanidine
Day 19	Synthetic Detergents Alkyl And Aryl Sulphonates
Day 20	Practical Work
Day 21	Practical Work
Day 22	Test Of Unit-3

Day 23	Introduction To Enolates ,Acidity Of Alpha Hydrogens
Day 24	Practical Work
Day 25	Alkylation Of Diethyl Malonate And Different Synthesis Of Compounds
Day 26	Synthesis Of Ethyl Acetoacetate- Claisen Condensation
Day 27	Practical Work
Day 28	Alkylation Of Ethyl Acetoacetate And Organic Synthesis
Day 29	Keto-Enol Tautomerism Of Ethyl Acetoacetate
Day 30	Practical Work
Day 31	Doubt Class
Day 32	Test Of Unit-4
Day 33	Practical Work
Day 34	Addition And Condensation Polymerization
Day 35	Free Radical,Ionic Vinyl Polymerisation
Day 36	Practical Work
Day 37	Ziegler -Natta Polymerisation,Vinyl Polymers
Day 38	Polyesters,Polyamides,Phenolformaldehyde Resins
Day 39	Practical Work
Day 40	Practical Work
Day 41	Assignment
Day 42	Urea Formaldehyde Resins,
Day 43	Practical Work
Day 44	Practical Work
Day 45	Epoxy Resins And Polyurethanes
Day 46	Natural And Synthetic Rubbers

Day 47	Practical Work
Day 48	Practical Work
Day 49	Doubt Class
Day 50	Test
Day 51	Practical Work
Day 52	Practical Work
Day 53	Classification Of Amino Acids,
Day 54	Acid Base Behavior,Isoelectric Point
Day 55	Practical Work
Day 56	Practical Work
Day 57	Electrophoresis,
Day 58	Preparation Of Amino Acids
Day 59	Practical Work
Day 60	Practical Work
Day 61	Structures And Nomenclature Of Peptides And Proteins,
Day 62	Classification Of Proteins
Day 63	Practical Work
Day 64	Practical Work
Day 65	Structures And Nomenclature Of Peptides And Proteins,Classification Of Proteins
Day 66	Structures And Nomenclature Of Peptides And Proteins,Classification Of Proteins
Day 67	Practical Work
Day 68	Practical Work
Day 69	Peptide Structure Determination ,End Group Analysis
Day 70	Selective Hydrolysis Of Peptides

Day 71	Practical Work
Day 72	Practical Work
Day 73	Classical Peptide Synthesis,Solid Phase Peptide Synthesis
Day 74	Classical Peptide Synthesis,Solid Phase Peptide Synthesis
Day 75	Practical Work
Day 76	Practical Work
Day 77	Primary And Secondary Structure
Day 78	Test Of Unit-5,6
Day 79	Practical Work
Day 80	Practical Work
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: Ms Priyanka Bhatia
Class And Section: B.Sc Medical 4th Sem
Subject: Inorganic ChemistryPaper Code : CH401

Day 1	Introduction Of F Block Elements
Day 2	Electronic Structure Of Lanthanide
Day 3	Practical Work
Day 4	Oxidation States And Magnetic Properties
Day 5	Practical Work
Day 6	Practical Work
Day 7	Complex Formation And Colour Of Compounds
Day 8	Ionic Radii And Lanthanide Contraction
Day 9	Practical Work
Day 10	Practical Work
Day 11	Occurence N Separation Of Lanthanides
Day 12	Lanthanide Compounds
Day 13	Practical Work
Day 14	Practical Work
Day 15	Test Of Unit-1
Day 16	Introduction To Actinides
Day 17	Practical Work
Day 18	Practical Work
Day 19	General Characteristics Of Actinides
Day 20	Chemistry Of Separation Of Np,Pu And Am From Uranium
Day 21	Practical Work
Day 22	Practical Work
Day 23	Transuranic Elements
Day 24	Comparison Of Properties Of Lanthanides And Actinides With Transition Elements.
Day 25	Practical Work
Day 26	Practical Work
Day 27	Test Of Unit-2

Day 28	Assignment
Day 29	Practical Work
Day 30	Practical Work
Day 31	Theory Of Qualitative And Quantitative Analysis
Day 32	Introduction To Basic Radical And Acidic Radical
Day 33	Practical Work
Day 34	Practical Work
Day 35	Discussion About Group 1,2 Preliminary Test
Day 36	Common Ion Effect
Day 37	Practical Work
Day 38	Practical Work
Day 39	Solubility Product
Day 40	Group Radical And Group Reagents
Day 41	Practical Work
Day 42	Practical Work
Day 43	Oral Test
Day 44	Chemistry Of Identification Of Acid Radicals In Combination
Day 45	Practical Work
Day 46	Practical Work
Day 47	Chemistry Of Interference Of Acid Radicals
Day 48	Discussion Of Group 1Basic Radical
Day 49	Practical Work
Day 50	Practical Work
Day 51	Group2A
Day 52	Group 2B
Day 53	Practical Work
Day 54	Practical Work
Day 55	Group 3
Day 56	Group 4
Day 57	Practical Work

Day 58	Practical Work
Day 59	Group 4
Day 60	Group 5
Day 61	Practical Work
Day 62	Practical Work
Day 63	Group 6
Day 64	Oral Test Of All Groups
Day 65	Practical Work
Day 66	Practical Work
Day 67	Interfering Acid Radical
Day 68	Group1Confirmatory Test
Day 69	Practical Work
Day 70	Practical Work
Day 71	Group 2 Confirmatory Test
Day 72	Group 3 Confirmatory Test
Day 73	Practical Work
Day 74	Practical Work
Day 75	Theory Of Precipitation,Post Precipitation
Day 76	Purification Of Precipitates
Day 77	Practical Work
Day 78	Practical Work
Day 79	Doubt Class
Day 80	Test
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: Ms. Deepti Ahuja **Class And Section: B.Sc. 3rd Year (N.Med.) 6th SEM** **Subject: Inorganic Chemistry**	
Day 1	Definition, Nomenclature And Classification Of Organometallic Compounds.
Day 2	Preparation, Properties, And Bonding Of Alkyls Of Li
Day 3	Practical Work
Day 4	Practical Work
Day 5	Preparation, Properties, And Bonding Of Alkyls Of Al,
Day 6	Preparation, Properties, And Bonding Of Alkyls Of Hg
Day 7	Practical Work
Day 8	Practical Work
Day 9	Preparation, Properties, And Bonding Of Alkyls Of Sn
Day 10	A Brief Account Of Metal-Ethylenic Complexes
Day 11	Practical Work
Day 12	Practical Work
Day 13	Mononuclear Carbonyls
Day 14	The Nature Of Bonding In Metal Carbonyls.
Day 15	Practical Work
Day 16	Practical Work
Day 17	Arrhenius, Bronsted Lewis Concepts Of Acids & Bases

Day 18	Lowry, The Lux – Flood Concepts Of Acids & Bases
Day 19	Practical Work
Day 20	Practical Work
Day 21	Solvent System
Day 22	Lewis Concept Of Acids And Bases
Day 23	Practical Work
Day 24	Practical Work
Day 25	Lewis Concepts Of Acids & Bases
Day 26	Relative Strength Of Acids & Bases
Day 27	Practical Work
Day 28	Practical Work
Day 29	Test
Day 30	Doubt Class
Day 31	Practical Work
Day 32	Practical Work
Day 33	Concept Of Hard And Soft Acids & Bases
Day 34	Concept Of Hard And Soft Acids & Bases
Day 35	Practical Work
Day 36	Practical Work
Day 37	Symbiosis, Electronegativity
Day 38	Hardness And Softness
Day 39	Practical Work
Day 40	Practical Work
Day 41	Assignment

Day 42	Assignment Disscussion
Day 43	Practical Work
Day 44	Practical Work
Day 45	Essential Elements In Biological Processes
Day 46	Trace Elements In Biological Processes
Day 47	Practical Work
Day 48	Practical Work
Day 49	Biological Role Of Alkali
Day 50	Biological Role Of Alkaline Earth Metal Ions .
Day 51	Practical Work
Day 52	Practical Work
Day 53	Biological Role Of Ca2+.
Day 54	Nitrogen Fixation.
Day 55	Practical Work
Day 56	Practical Work
Day 57	Doubt Class
Day 58	Test
Day 59	Practical Work
Day 60	Practical Work
Day 61	Silicones Preparation
Day 62	Silicones Properties
Day 63	Practical Work
Day 64	Practical Work
Day 65	Silicones Structure

Day 66	Silicones Uses
Day 67	Practical Work
Day 68	Practical Work
Day 69	Phosphazenes, Preparation
Day 70	Phosphazenes Properties
Day 71	Practical Work
Day 72	Practical Work
Day 73	Phosphazenes Structure
Day 74	Phosphazenes Uses
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test
Day 79	Practical Work
Day 80	Practical Work
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: Ms. Deepti Ahuja **Class And Section: B.Sc. 6th SEM (Med.) Sec-A & B** **Subject: Inorganic Chemistry**	
Day 1	Definition, Nomenclature And Classification Of Organometallic Compounds.
Day 2	Preparation, Properties, And Bonding Of Alkyls Of Li
Day 3	Practical Work
Day 4	Practical Work
Day 5	Preparation, Properties, And Bonding Of Alkyls Of Al,
Day 6	Preparation, Properties, And Bonding Of Alkyls Of Hg
Day 7	Practical Work
Day 8	Practical Work
Day 9	Preparation, Properties, And Bonding Of Alkyls Of Sn
Day 10	A Brief Account Of Metal-Ethylenic Complexes
Day 11	Practical Work
Day 12	Practical Work
Day 13	Mononuclear Carbonyls
Day 14	The Nature Of Bonding In Metal Carbonyls.
Day 15	Practical Work
Day 16	Practical Work
Day 17	Arrhenius, Bronsted Lewis Concepts Of Acids & Bases
Day 18	Lowry, The Lux – Flood Concepts Of Acids & Bases
Day 19	Practical Work
Day 20	Practical Work
Day 21	Solvent System

Day 22	Lewis Concept Of Acids And Bases
Day 23	Practical Work
Day 24	Practical Work
Day 25	Lewis Concepts Of Acids & Bases
Day 26	Relative Strength Of Acids & Bases
Day 27	Practical Work
Day 28	Practical Work
Day 29	Test
Day 30	Doubt Class
Day 31	Practical Work
Day 32	Practical Work
Day 33	Concept Of Hard And Soft Acids & Bases
Day 34	Concept Of Hard And Soft Acids & Bases
Day 35	Practical Work
Day 36	Practical Work
Day 37	Symbiosis, Electronegativity
Day 38	Hardness And Softness
Day 39	Practical Work
Day 40	Practical Work
Day 41	Assignment
Day 42	Assignment Disscussion
Day 43	Practical Work
Day 44	Practical Work
Day 45	Essential Elements In Biological Processes

Day 46	Trace Elements In Biological Processes
Day 47	Practical Work
Day 48	Practical Work
Day 49	Biological Role Of Alkali
Day 50	Biological Role Of Alkaline Earth Metal Ions .
Day 51	Practical Work
Day 52	Practical Work
Day 53	Biological Role Of Ca2+.
Day 54	Nitrogen Fixation.
Day 55	Practical Work
Day 56	Practical Work
Day 57	Doubt Class
Day 58	Test
Day 59	Practical Work
Day 60	Practical Work
Day 61	Silicones Preparation
Day 62	Silicones Properties
Day 63	Practical Work
Day 64	Practical Work
Day 65	Silicones Structure
Day 66	Silicones Uses
Day 67	Practical Work
Day 68	Practical Work
Day 69	Phosphazenes, Preparation

Day 70	Phosphazenes Properties
Day 71	Practical Work
Day 72	Practical Work
Day 73	Phosphazenes Structure
Day 74	Phosphazenes Uses
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test
Day 79	Practical Work
Day 80	Practical Work
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: Ms. Kritika Sehgal **Class And Section: B.Sc. Medical Third Yr Secb** **Subject: Organic Chemistry**	
Day 1	Introduction To Heterocyclic Compounds-1
Day 2	Molecular Orbital Picture And Aromatic Charcateristics Of Pyrrole,Furan,Thiophene
Day 3	Methods Of Synthesis Of Pyrrole,Furan
Day 4	Methods Of Synthesis Of Thiophene And Chemical Reactions
Day 5	Mechanism Of Electrophilic And Nucleophilic Substitution
Day 6	Pyridine And Its Aromatic Character
Day 7	Methods Of Synthesis And Recations Of Pyridine
Day 8	Comparison Of Basicity Of Pyridine,Piperidine And Pyrrole.
Day 9	Test Of Unit1
Day 10	Introduction To Condensed Five And Six Membered Heterocycles
Day 11	Preparation Of Indole Fisher Indole Synthesis
Day 12	Preparation Of Quinoline Skraup Synthesis
Day 13	Preparation Of Isoquinoline Bischler Napieralski Synthesis
Day 14	Mechanism Of Electrophilic And Nucleophilic Reaction
Day 15	Test Of Unit-2
Day 16	Nomenclature Of Organosulphur Compounds,Structural Features
Day 17	Methods Of Formation And Chemical Reactions Of Thiols,Thioethers
Day 18	Sulphonic Acids,Sulphonamides And Sulphaguanidine
Day 19	Synthetic Detergents Alkyl And Aryl Sulphonates
Day 20	Practical Work
Day 21	Practical Work
Day 22	Test Of Unit-3

Day 23	Introduction To Enolates ,Acidity Of Alpha Hydrogens
Day 24	Practical Work
Day 25	Alkylation Of Diethyl Malonate And Different Synthesis Of Compounds
Day 26	Synthesis Of Ethyl Acetoacetate- Claisen Condensation
Day 27	Practical Work
Day 28	Alkylation Of Ethyl Acetoacetate And Organic Synthesis
Day 29	Keto-Enol Tautomerism Of Ethyl Acetoacetate
Day 30	Practical Work
Day 31	Doubt Class
Day 32	Test Of Unit-4
Day 33	Practical Work
Day 34	Addition And Condensation Polymerization
Day 35	Free Radical,Ionic Vinyl Polymerisation
Day 36	Practical Work
Day 37	Ziegler -Natta Polymerisation,Vinyl Polymers
Day 38	Polyesters,Polyamides,Phenolformaldehyde Resins
Day 39	Practical Work
Day 40	Practical Work
Day 41	Assignment
Day 42	Urea Formaldehyde Resins,
Day 43	Practical Work
Day 44	Practical Work
Day 45	Epoxy Resins And Polyurethanes
Day 46	Natural And Synthetic Rubbers

Day 47	Practical Work
Day 48	Practical Work
Day 49	Doubt Class
Day 50	Test
Day 51	Practical Work
Day 52	Practical Work
Day 53	Classification Of Amino Acids,
Day 54	Acid Base Behavior,Isoelectric Point
Day 55	Practical Work
Day 56	Practical Work
Day 57	Electrophoresis,
Day 58	Preparation Of Amino Acids
Day 59	Practical Work
Day 60	Practical Work
Day 61	Structures And Nomenclature Of Peptides And Proteins,
Day 62	Classification Of Proteins
Day 63	Practical Work
Day 64	Practical Work
Day 65	Structures And Nomenclature Of Peptides And Proteins,Classification Of Proteins
Day 66	Structures And Nomenclature Of Peptides And Proteins,Classification Of Proteins
Day 67	Practical Work
Day 68	Practical Work
Day 69	Peptide Structure Determination ,End Group Analysis
Day 70	Selective Hydrolysis Of Peptides

Day 71	Practical Work
Day 72	Practical Work
Day 73	Classical Peptide Synthesis,Solid Phase Peptide Synthesis
Day 74	Classical Peptide Synthesis,Solid Phase Peptide Synthesis
Day 75	Practical Work
Day 76	Practical Work
Day 77	Primary And Secondary Structure
Day 78	Test Of Unit-5,6
Day 79	Practical Work
Day 80	Practical Work
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: Ms. Kritika **Class And Section: B.Sc. 4th Sem (Med.)** **Subject: Physical Chemistry**	
Day 1	Unit 1 - Thermodynamics-III Second Law Of Thermodynamics, Need For TheLaw, Different Statements Of The Law, Carnot's Cycles And Its Efficiency
Day 2	Carnot's Theorem, Thermodynamics Scale Of Temperature.
Day 3	Concept Of Entropy – Entropy As A State Function, Entropy As A Function Of V& T, Entropy As A Function Of P & T
Day 4	Practical Work
Day 5	Entropy Change In Physical Change, Entropy As A Criteria Of Spontaneity And Equilibrium
Day 6	Practical Work
Day 7	Entropy Change In Ideal Gases And Mixing Of Gases.
Day 8	Practical Work
Day 9	Doubt Class
Day 10	Test / Assignment
Day 11	Practical Work
Day 12	Unit 2 - Thermodynamics-IV Third Law Of Thermodynamics: Nernst HeatTheorem
Day 13	Practical Work
Day 14	Statement Of Concept Of Residual Entropy, Evaluation Of Absolute EntropyFrom Heat Capacity Data
Day 15	Practical Work
Day 16	Gibbs And Helmholtz Functions; Gibbs Function (G) And Helmholtz Function (A) As Thermodynamic Quantities
Day 17	. Practical Work
Day 18	A & G As Criteria For Thermodynamic Equilibrium And Spontaneity, Their Advantage Over Entropy Change
Day 19	Practical Work
Day 20	Variation Of G And A With P, V And T.
Day 21	Practical Work
Day 22	Revision

Day 23	Test / Assignment
Day 24	Practical Work
Day 25	Practical Work
Day 26	Unit 3 - Electrochemistry-III Electrolytic And Galvanic Cells –
Day 27	Reversible & Irreversible Cells ,
Day 28	Practical Work
Day 29	Practical Work
Day 30	Conventional Representation Of Electrochemical Cells
Day 31	EMF Of Cell And Its Measurement,
Day 32	Practical Work
Day 33	Practical Work
Day 34	Weston Standard Cell, Activity And Activity Coefficients.
Day 35	Calculation Of Thermodynamic Quantities Of Cell Reaction (G, H & K).
Day 36	Practical Work
Day 37	Practical Work
Day 38	Types Of Reversible Electrodes – Metal-Metal, Ion Gas Electrode
Day 39	Metal –Insoluble Salt- Anion And Redox Electrodes
Day 40	Practical Work
Day 41	Practical Work
Day 42	Electrode Reactions, Nernst Equations,
Day 43	Derivation Of Cell EMF And Single Electrode Potential
Day 44	Practical Work
Day 45	Practical Work
Day 46	Standard Hydrogen Electrode,

Day 47	Reference Electrodes
Day 48	Practical Work
Day 49	Practical Work
Day 50	Standard Electrodes Potential, Sign Conventions,
Day 51	Electrochemical Series AndIts Applications
Day 52	Practical Work
Day 53	Practical Work
Day 54	Revision
Day 55	Test / Assignment
Day 56	Practical Work
Day 57	Practical Work
Day 58	Unit 4 - Electrochemistry-IV Concentration Cells With And Without Transference,
Day 59	Concentration Cells Without Transference,
Day 60	Practical Work
Day 61	Practical Work
Day 62	Determenation Of Liquid Junction Potential
Day 63	Application Of EMF Measurement I.E. Valency Of Ions, Solubility Product Activity Coefficient
Day 64	Practical Work
Day 65	Practical Work
Day 66	Application Of EMF Measurement I.E. Valency Of Ions, Solubility Product Activity Coefficient
Day 67	Potentiometric Titration (Acid- Base And Redox)
Day 68	Practical Work
Day 69	Practical Work
Day 70	Determination Of Ph Using Quinhydrone Electrode By Potentiometric Methods

Day 71	Practical Work
Day 72	Practical Work
Day 73	Determination Of Ph Using Hydrogen Electrode, By Potentiometric Methods
Day 74	Determination Of Ph Using Glass Electrode By Potentiometric Methods
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test / Assignment
Day 79	Practical Work
Day 80	Practical Work
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. Monika **Class And Section: B.Sc. M 4TH Sem** **Subject: Organic Chemistry**	
Day 1	Structure And Nomenclature Of Amines, Physical Properties. Separation OfA Mixture Of Primary, Secondary, And Tertiary Amines.
Day 2	Structural Features Affecting The Basicity Of Amines
Day 3	Practical Work
Day 4	Practical Work
Day 5	Preparation Of Alkyl And Aryl Amines (Reduction Of Nitro Compounds,Nitriles,
Day 6	Reductive Amination Of Aldehydic And Ketonic Compounds.
Day 7	Practical Work
Day 8	Practical Work
Day 9	Practical Work
Day 10	Gabriel Phthalimide Reaction,.
Day 11	Hofmann Bromamide Reaction
Day 12	Practical Work
Day 13	Electrophilic Aromatic Substitution In Aryl Amines, Reactions Of Amines With Nitrous Acid.
Day 14	Revision
Day 15	Practical Work
Day 16	Practical Work
Day 17	Mechanism Of Diazotization, The Structure Of Benzene Diazonium Chloride.
Day 18	Mechanism Of Diazotization, The Structure Of Benzene Diazonium Chloride
Day 19	Practical Work
Day 20	Practical Work
Day 21	Reduction Of Diazonium Salts To Hydrazines.
Day 22	Coupling Reaction And Its Synthetic Application.

Day 23	Practical Work
Day 24	Practical Work
Day 25	Test
Day 26	Preparation Of Nitro Alkanes And Nitro Arenes And Their Chemical Reactions
Day 27	Practical Work
Day 28	Practical Work
Day 29	Mechanism Of Electrophilic Substitution Reactions In Nitro Arenes And Their Reductions In Acidic, Neutral, And Alkaline Medium.
Day 30	Nitro Arenes And Their Reductions In Acidic, Neutral, And Alkaline Medium.
Day 31	Practical Work
Day 32	Practical Work
Day 33	Nomenclature And Structure Of The Carbonyl Group. Synthesis Of Aldehydes And Ketones.
Day 34	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate.,Physical Properties
Day 35	Practical Work
Day 36	Practical Work
Day 37	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate.,Physical Properties
Day 38	Test
Day 39	Practical Work
Day 40	Practical Work
Day 41	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate.
Day 42	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate., Physical Properties
Day 43	Practical Work
Day 44	Practical Work

Day 45	Oxidation Of Aldehydes, Baeyer–Villiger Oxidation Of Ketones,Cannizzaro Reaction. MPV.
Day 46	Clemmensen, Wolff-Kishner.
Day 47	Practical Work
Day 48	Practical Work
Day 49	Lialh4 And Nabh4 Reductions. Molecular Vibrations, Hooke's Law, Selection Rules
Day 50	Molecular Vibrations, Hooke's Law, Selection Rules.
Day 51	Practical Work
Day 52	Practical Work
Day 53	Intensity And Position Of IR Bands, Measurement Of IR Spectrum, Fingerprint Region.
Day 54	Interpretation Of IR Spectra Of Organic Compounds.
Day 55	Practical Work
Day 56	Practical Work
Day 57	Applications Of IR Spectroscopy In Structure Elucidation Of Simple Organic Compounds
Day 58	Applications Of IR Spectroscopy In Structure Elucidation Of Simple Organic Compounds
Day 59	Practical Work
Day 60	Practical Work
Day 61	Presentation
Day 62	Coupling Reaction Doubt Class
Day 63	Practical Work
Day 64	Practical Work
Day 65	Assignment
Day 66	Assignment Disscussion
Day 67	Practical Work

Day 68	Practical Work
Day 69	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC)
Day 70	Pyridinium Dichromate., Physical Properties
Day 71	Practical Work
Day 72	Practical Work
Day 73	Baeyer–Villiger Oxidation Of Ketones (Revision)
Day 74	Nitro Doubt Class
Day 75	Practical Work
Day 76	Practical Work
Day 77	IR
Day 78	Hofmann Bromamide Reaction (Revision)
Day 79	Doubt Class
Day 80	Test
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. Monika **Class And Section: B.Sc. N. M 4TH Sem** **Subject: Organic Chemistry**	
Day 1	Structure And Nomenclature Of Amines, Physical Properties. Separation OfA Mixture Of Primary, Secondary, And Tertiary Amines.
Day 2	Structural Features Affecting The Basicity Of Amines
Day 3	Practical Work
Day 4	Practical Work
Day 5	Preparation Of Alkyl And Aryl Amines (Reduction Of Nitro Compounds, Nitriles
Day 6	Reductive Amination Of Aldehydic And Ketonic Compounds.
Day 7	Practical Work
Day 8	Practical Work
Day 9	Practical Work
Day 10	Gabriel Phthalimide Reaction,.
Day 11	Hofmann Bromamide Reaction
Day 12	Practical Work
Day 13	Electrophilic Aromatic Substitution In Aryl Amines, Reactions Of Amines With Nitrous Acid.
Day 14	Revision
Day 15	Practical Work
Day 16	Practical Work
Day 17	Mechanism Of Diazotization, The Structure Of Benzene Diazonium Chloride.
Day 18	Mechanism Of Diazotization, The Structure Of Benzene Diazonium Chloride
Day 19	Practical Work
Day 20	Practical Work

Day 21	Reduction Of Diazonium Salts To Hydrazines.
Day 22	Coupling Reaction And Its Synthetic Application.
Day 23	Practical Work
Day 24	Practical Work
Day 25	Test
Day 26	Preparation Of Nitro Alkanes And Nitro Arenes And Their Chemical Reactions
Day 27	Practical Work
Day 28	Practical Work
Day 29	Mechanism Of Electrophilic Substitution Reactions In Nitro Arenes And Their Reductions In Acidic, Neutral, And Alkaline Medium.
Day 30	Nitro Arenes And Their Reductions In Acidic, Neutral, And Alkaline Medium.
Day 31	Practical Work
Day 32	Practical Work
Day 33	Nomenclature And Structure Of The Carbonyl Group. Synthesis Of Aldehydes And Ketones.
Day 34	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate.,Physical Properties
Day 35	Practical Work
Day 36	Practical Work
Day 37	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate.,Physical Properties
Day 38	Test
Day 39	Practical Work
Day 40	Practical Work
Day 41	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate.
Day 42	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC) And Pyridinium Dichromate., Physical Properties
Day 43	Practical Work

Day 44	Practical Work
Day 45	Oxidation Of Aldehydes, Baeyer–Villiger Oxidation Of Ketones,Cannizzaro Reaction. MPV.
Day 46	Clemmensen, Wolff-Kishner.
Day 47	Practical Work
Day 48	Practical Work
Day 49	Lialh4 And Nabh4 Reductions. Molecular Vibrations, Hooke's Law, Selection Rules
Day 50	Molecular Vibrations, Hooke's Law, Selection Rules.
Day 51	Practical Work
Day 52	Practical Work
Day 53	Intensity And Position Of IR Bands, Measurement Of IR Spectrum, Fingerprint Region.
Day 54	Interpretation Of IR Spectra Of Organic Compounds.
Day 55	Practical Work
Day 56	Practical Work
Day 57	Applications Of IR Spectroscopy In Structure Elucidation Of Simple Organic Compounds
Day 58	Applications Of IR Spectroscopy In Structure Elucidation Of Simple Organic Compounds
Day 59	Practical Work
Day 60	Practical Work
Day 61	Presentation
Day 62	Coupling Reaction Doubt Class
Day 63	Practical Work
Day 64	Practical Work
Day 65	Assignment
Day 66	Assignment Disscussion
Day 67	Practical Work

Day 68	Practical Work
Day 69	Advantage Of Oxidation Of Alcohols With Chromium Trioxide (Sarett Reagent) Pyridinium Chlorochromate (PCC)
Day 70	Pyridinium Dichromate., Physical Properties
Day 71	Practical Work
Day 72	Practical Work
Day 73	Baeyer–Villiger Oxidation Of Ketones (Revision)
Day 74	Nitro Doubt Class
Day 75	Practical Work
Day 76	Practical Work
Day 77	IR
Day 78	Hofmann Bromamide Reaction (Revision)
Day 79	Doubt Class
Day 80	Test
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. Monika **Class And Section: B.Sc. NM 2nd Sem** **Subject: Physical Chemistry**	
Day 1	Rate Of Reaction, Rate Equation.
Day 2	Factors Influencing The Rate Of A Reaction – Concentration, Temperature, Pressure, Solvent, Light, Catalyst.
Day 3	Practical Work
Day 4	Practical Work
Day 5	Order Of A Reaction, Integrated Rate Expression For Zero Order.
Day 6	Order Of A Reaction, Integrated Rate Expression For Zero Order
Day 7	Practical Work
Day 8	Practical Work
Day 9	Debye- Huckel – Onsager's Equation For Strong Electrolytes (Elementary).
Day 10	Transport Number, Definition, And Determination By Hittorfs Methods, (Numerical Included).
Day 11	Practical Work
Day 12	Practical Work
Day 13	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 14	Transition State Theory Of Biomolecular Reactions. (Revision)
Day 15	Practical Work
Day 16	Practical Work
Day 17	Methods Of Determination Of The Order Of The Reaction. (Test)
Day 18	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 19	Practical Work
Day 20	Practical Work

Day 21	First Order, Second And Third Order Reaction.
Day 22	The Half-Life Period Of A Reaction.
Day 23	Practical Work
Day 24	Practical Work
Day 25	First Order, Second And Third Order Reaction.
Day 26	The Half-Life Period Of A Reaction.
Day 27	Practical Work
Day 28	Practical Work
Day 29	Methods Of Determination Of The Order Of The Reaction. (Test)
Day 30	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 31	Practical Work
Day 32	Practical Work
Day 33	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 34	Transition State Theory Of Biomolecular Reactions. (Revision)
Day 35	Practical Work
Day 36	Practical Work
Day 37	Electrolytic Conduction, Factors Affecting Electrolytic Conduction.
Day 38	Specific, Conductance, Molar Conductance, Equivalent Conductance.
Day 39	Practical Work
Day 40	Practical Work
Day 41	Specific, Conductance, Molar Conductance,Equivalent Conductance
Day 42	Arrhenius Theory Of Ionization, Ostwald's Dilution Law. D
Day 43	Practical Work
Day 44	Practical Work

Day 45	Debye- Huckel – Onsager's Equation For Strong Electrolytes (Elementary).
Day 46	Transport Number, Definition, And Determination By Hittorfs Methods, (Numerical Included).
Day 47	Practical Work
Day 48	Practical Work
Day 49	Kohlarausch's Law
Day 50	Calculation Of Molar Ionic Conductance And Effect Of Viscosity Temperature & Pressure On It
Day 51	Practical Work
Day 52	Practical Work
Day 53	Test
Day 54	Calculation Of Molar Ionic Conductance And Effect Of Viscosity Temperature& Pressure On It.
Day 55	Practical Work
Day 56	Practical Work
Day 57	Applications Of Conductivity Measurements (Introduction)
Day 58	Revision
Day 59	Practical Work
Day 60	Practical Work
Day 61	Determination Of Degree Of Dissociation
Day 62	Determination Of Degree Of Dissociation
Day 63	Practical Work
Day 64	Practical Work
Day 65	Conductometric Titrations. (Revision)
Day 66	Conductometric Titrations.
Day 67	Practical Work

Day 68	Practical Work
Day 69	Definition Of Ph And Pk
Day 70	Definition Of Ph And Pk
Day 71	Practical Work
Day 72	Practical Work
Day 73	Henderson – Hazel Equation.
Day 74	Buffer Mechanism Of Buffer Action.
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test
Day 79	Practical Work
Day 80	Practical Work
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: Ms. Kritika **Class And Section: B.Sc. M 2nd Sem** **Subject: Physical Chemistry**	
Day 1	Rate Of Reaction, Rate Equation.
Day 2	Factors Influencing The Rate Of A Reaction – Concentration, Temperature, Pressure, Solvent, Light, Catalyst.
Day 3	Practical Work
Day 4	Practical Work
Day 5	Order Of A Reaction, Integrated Rate Expression For Zero Order.
Day 6	Order Of A Reaction, Integrated Rate Expression For Zero Order
Day 7	Practical Work
Day 8	Practical Work
Day 9	Debye- Huckel – Onsager's Equation For Strong Electrolytes (Elementary).
Day 10	Transport Number, Definition, And Determination By Hittorfs Methods, (Numerical Included).
Day 11	Practical Work
Day 12	Practical Work
Day 13	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 14	Transition State Theory Of Biomolecular Reactions. (Revision)
Day 15	Practical Work
Day 16	Practical Work
Day 17	Methods Of Determination Of The Order Of The Reaction. (Test)
Day 18	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 19	Practical Work
Day 20	Practical Work
Day 21	First Order, Second And Third Order Reaction.

Day 22	The Half-Life Period Of A Reaction.
Day 23	Practical Work
Day 24	Practical Work
Day 25	First Order, Second And Third Order Reaction.
Day 26	The Half-Life Period Of A Reaction.
Day 27	Practical Work
Day 28	Practical Work
Day 29	Methods Of Determination Of The Order Of The Reaction. (Test)
Day 30	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 31	Practical Work
Day 32	Practical Work
Day 33	Effect Of Temperature On The Rate Of Reaction – Arrhenius Equation.
Day 34	Transition State Theory Of Biomolecular Reactions. (Revision)
Day 35	Practical Work
Day 36	Practical Work
Day 37	Electrolytic Conduction, Factors Affecting Electrolytic Conduction.
Day 38	Specific, Conductance, Molar Conductance, Equivalent Conductance.
Day 39	Practical Work
Day 40	Practical Work
Day 41	Specific, Conductance, Molar Conductance,Equivalent Conductance
Day 42	Arrhenius Theory Of Ionization, Ostwald's Dilution Law. D
Day 43	Practical Work
Day 44	Practical Work
Day 45	Debye- Huckel – Onsager's Equation For Strong Electrolytes (Elementary).

Day 46	Transport Number, Definition, And Determination By Hittorfs Methods, (Numerical Included).
Day 47	Practical Work
Day 48	Practical Work
Day 49	Kohlarausch's Law
Day 50	Calculation Of Molar Ionic Conductance And Effect Of Viscosity Temperature & Pressure On It
Day 51	Practical Work
Day 52	Practical Work
Day 53	Test
Day 54	Calculation Of Molar Ionic Conductance And Effect Of Viscosity Temperature& Pressure On It.
Day 55	Practical Work
Day 56	Practical Work
Day 57	Applications Of Conductivity Measurements (Introduction)
Day 58	Revision
Day 59	Practical Work
Day 60	Practical Work
Day 61	Determination Of Degree Of Dissociation
Day 62	Determination Of Degree Of Dissociation
Day 63	Practical Work
Day 64	Practical Work
Day 65	Conductometric Titrations. (Revision)
Day 66	Conductometric Titrations.
Day 67	Practical Work
Day 68	Practical Work
Day 69	Definition Of Ph And Pk

Day 70	Definition Of Ph And Pk
Day 71	Practical Work
Day 72	Practical Work
Day 73	Henderson – Hazel Equation.
Day 74	Buffer Mechanism Of Buffer Action.
Day 75	Practical Work
Day 76	Practical Work
Day 77	Doubt Class
Day 78	Test
Day 79	Practical Work
Day 80	Practical Work
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