

NEET Super Saver Course - 10th to 11th Moving Physics by Nipun Mittal (NM) Sir

Foundation Physics by Nipun Mittal (NM) Sir

S.No.	Chapter Name	Lecture No.	Lecture Name
1	Motion	1	Uniform Motion and Non Uniform Motion, speed ,Velocity, Acceleration
		2	Graphs, Equation of motion, Uniform circular motion, Discussion
2	Force and Laws of Motion	1	Laws of motion
		2	Conservation of momentum, Discussion
3	Gravitation	1	Law of gravitation,Free fall , mass and weight,Kepler' law
		2	Fluids, Discussion
4	Work Power Energy	1	Work, Energy,Law of conservation, Power
5	Sound	1	Production of sound, Propagation ,Speed of sound in different media,Refraction, Human ear
6	Electricity	1	Ohm's law,Combination of resitance,electric power
		2	Discussion
7	Magnetic effects of current	1	Magnetic field and field lines,Magnetic field due to current carrying wire,straight conductor, circular loop
		2	Force on a current- carrying conductor in a magnetic field,Discussion
8	Light	1	Reflection of light,Spherical mirrors,Image formation by spherical mirrors,Refraction of light
		2	Refractive index,refraction by spherical lenses,Image formation by spherical lenses,Discussion
9	The Human Eye and the colorful word	1	The Human Eye,Power of Accommodation,Deffec of vision and their correction,Prism, Scattering
10	Basic Maths	1	Trignometry, and angles
		2	T- Ratio and Identities
		3	Conversion into degree and radian
		4	logarthims
		5	Discussion

Super Saver Course Plan For 11th (NM Sir)

S.No.	Chapter Name	Lecture No.	Lecture Name
1	Unit Dimension	1	Physical quantities,unit and dimensions introduction and problems
		2	introduction and problems
		3	Application of dimensional analysis .
2	Basic Maths	1	Basic mathematics , quadratic equations and examples
		2	Small angle approximation ,Co-ordinate geometry , equation of line ,Calculus and differentiation
		3	Differentiation
		4	Integration , basic integral formulas and problems ,Definite integration and numerical

3	Vector	1	introduction of two vectors,representation of vector,types of vectors, examples based on vector
		2	addition of vector,subtraction of vector
		3	triangle and parallelogram method,magnitude and direction of resultant vector
		4	unit vector,position vector,component of vector,ractangular component,ex. On vector
		5	Components of vectors and numericals on it , Product of vector .
		6	Example of dot product , cross product
		7	Example of vectors ,cosine rule
4	Kinematics	1	position,displacement,distance,velocity,average velocity,acceleration
		2	acceleration,free-fall,examples on free-fall
		3	graphs in kinematics,x-t graph,v-t graph,s-t graph(x-distance,displacement vs. time)
		4	graphs,distance between two points vs time,examples based on graphs,air drag
		5	variable acceleration,examples based on variable acceleration
		6	examples based on kinematics
		7	Graphs Problems
		8	Motion Under Gravity
		9	projectile motion,ground to ground projection,projection from a tower,average velocity in projectile
		10	example based on projectile motion,equation of trajectory,examples on trajectory
		11	average velocity in projectile,collision of projectile
		12	example based on projectile motion,projectile on inclined plane,range on inclined plane
		13	example based on inclined plane
		14	relative motion,example based on relative motion,relative motion in 1-d
		15	relative motion of two projectile,shortest distance
		16	problem on rain-man,example on rain-man
		17	river-swimmer problem,examples based on river swimmer
5	NLM and Friction	1	Constrain (fixed pulley, moving pulley)
		2	Multiple pulley
		3	introduction of NLM,first law of motion,second law of motion,third law of motion,introduction of momentum & impulse,examples on law of motion
		4	F.B.D.,examples on F.B.D., tension force & string-block problem
		5	examples on equilibrium of forces ,examples on F.B.D.,calculation of normal forces
		6	examples on NLM,spring force,spring consit,examples on combination of spring
		7	spring force,examples on springs,pseudo force
		8	examples on pseudo force,examples on weighing machine
		9	examples on spring force,examples on pseudo force,examples on weighing machine
		10	"Introduction of Friction,Static and Kinetic Friction, Limiting Friction,Graph Between Force and Friction"

		11	laws of friction,angle of friction,calculation of coefficient of friction,examples of friction
		12	examples on friction,block on incline plane
		13	Two Block System,Examples on Two Block System
		14	examples on friction
6	Circular Motion and Work, Power, Energy	1	introduction of circular motion,angular displacement,angular velocity,examples on angular velocity
		2	angular acceleration,examples on angular acceleration,equation of motion in circular motion,examples on circular motion equation, radius of curvature,examples on radius of curvature
		3	components of acceleration in circular motion,radial acceleration,tangential acceleration,circular motion dynamics,examples on radial & tangential acceleration
		4	examples on centrifugal force,turning on road,examples on turning of road,examples on banking of road
		5	conical pendulum,examples on circular motion
		6	work-introduction,formula of work,calculation of work,examples on work
		7	calculation of work,work energy theorem,work of a variable force,
		8	area under f-x curve as work,examples on work by variable force,work by spring force
		9	conservation of mech. Energy,examples on energy,potential energy concept,examples on potential energy
		10	examples on w.p.e.,chain-table problem
		11	examples on work done by friction,equilibrium,types of equilibrium,examples on equilibrium
		12	power,formula of power,examples on power
		13	vertical circle,velocity range ,velocity range,examples on vertical circle
		14	vertical circle,rod-case,formula for rod in vertical line,examples on vertical circle
7	Centre of Mass	1	formula for com,examples on calculation of com and com of point mass system
		2	calculation of com of continuous bodies,rod, half ring, half disc,examples on calculation of com
		3	examples on motion of COM,introduction of momentum,examples on momentum conservation
		4	collision introduction, Types of Collision, Line of Collision & Line of Velocity, Example of Collision
		5	Elastic & Inelastic Collision, Coefficient of Restitution, Calculation of Coefficient of Restitution, Examples on Coefficient of Restitution
		6	COM, oblique Collision, Impuls, Examples on Oblique collision, Examples on Impuls
		1	Introduction of Rotation, Types of Motion in Rotation, Calculation of Energy in Rotation
		2	Moment of inertia, Calculation of moment of Inertia
		3	Calculation of moment of inertia, Radius of Gyration
		4	Parallel axis Theorem, Perpendicular axis Theorem
		5	Examples on Perpendicular & Parallel axis Theorem

8	Rotional Motion	6	Examples on moment of Inertia, Conical Rotation, Torque, Examples on Torque
		7	examples on torque
		8	examples on rotation & torque, angular momentum
		9	examples on angular momentum
		10	angular momentum conservation, examples on angular momentum
		11	rolling motion: introduction, pure rolling examples, kinematics of rolling motion
		12	rotation KE in rolling, angular momentum in rolling, rod-particle problems
		13	examples on rotation & rolling, friction in rolling motion
		14	concept of β , examples on concept of β
		15	examples on rotation
9	Fluids	1	introduction, fluid mechanics, density, pressure and pressure inside a fluid, examples
		2	force on side wall, pascal's law, U-tube problem, examples
		3	barometer, manometer, examples on barometer, examples on fluids
		4	buoyancy, examples on buoyancy, apparent weight, examples on floating
		5	fluid dynamics, steady flow, equation of continuity, bernoulli's theorem, examples
		6	application of bernoulli's theorem, examples on bernoulli's theorem, venturimeter, velocity of efflux, examples on efflux, examples on fluid mechanics
10	Surface Tension and Viscosity	1	introduction of surface tension, examples on surface tension, surface energy, application and formula for surface tension
		2	surface energy calculation, examples on surface energy calculation, excess pressure inside a drop and bubble, examples on excess pressure
		3	excess pressure example, contact angle, cohesive and adhesive pressure, shape of liquid surface, capillary action
		4	examples on capillary action, insufficient length of capillary, discussion of surface tension
		5	examples on fluid dynamics, introduction of viscosity, examples of viscosity, stokes' law
11	Heat	1	introduction to calorimetry & calorie, specific heat capacity, specific latent heat, heat capacity, water equivalent, growth of phase change
		2	concept of calorimetry, mixing of ice & water, examples on calorimetry
		3	Heat and mechanical energy problems
		4	Power related problems
	Heat Transfer	1	introduction of convection, conduction
		2	examples on conduction
		3	introduction of radiator, black body, grey body theory, absorptive power, emissive power
		4	wien's displacement law, stefan's law of radiation, rate of cooling by radiation, examples on radiation
		5	newton's law of cooling, examples on newton's law of cooling, examples on heat transfer

12	Elasticity and Thermal Expansion	1	introduction of elasticity,cause of elasticity,stress & types of stress,strain,young's modulus,elastic potential energy,stress-strain curve,bulk modulus,shear modulus,modulus of rigidity,poission ratio,examples on elasticity
		2	introduction of thermal expansion,introduction of temperature,type of thermal exapansion,linear thermal expansion,examples on linear thermal expansion
		3	area expansion,examples on area expansion,volume expansion,examples on volume expansion
		4	examples on thermal expansion,thermal stress & thermal strain,examples on thermal stress & strain
13	Kinetic Theory of Gas & Thermodynamics	1	KTG introduction,calculation of pressure of a gas,Vrms speed,Vavg speed
		2	examples on Vrms,Degree of freedom of a gas,law of equipartition energy
		3	Internal energy of a gas,equivalent degree of freedom of mixture of gas
		4	internal energy calculation(example),first law of thermodynamics,calculation of work,examples on calculation of work
		5	cyclic process:work,calculation of degree of freedom,first law of thermodynamics,specific heat of the process,Cp & Cv Formula,Examples on KTG & thermodynamics
		6	thermodynamics process,isochoric ,isobaric process,isothermal & adiabatic process,polytropic process,examples on processes
		7	Examples onKTG,Discussion
14	Simple Harmonic Motion	1	"Introduction of SHM Periodic Motion, Oscillatory Motion, Examples on SHM"
		2	"Equation of SHM, Mid Position of SHM, Graph of SHM & Example on SHM"
		3	"Velocity & Acceleration of Particle, Amplitude of SHM, Phase of SHM, Frequency of SHM, Energy of SHM, Graph of Energy of SHM"
		4	"Equation of SHM & Graph of SHM, Projection of Uniform Circular Motion, Examples on UCM-SHM"
		5	"Simple Pendulum, Physical Pendulum, Combined Pendulum, Torsional Pendulum Examples on Pendulums"
		6	Example on shm, example on energy
		7	Phaser diagram, example on phaser, two particle on same path
		8	Superposition of shm
		1	introduction of waves,classification of waves,mechanical & non-mechanical waves,plane wave,cylindrical waves,spherical wave
		2	transverse & longitudinal waves,wave equation,wave nuber,wave propogation in string,examples on waves
		3	relation between velocity of particle,velocity of wave,slope of string,relation between according to particle & curvature,velocity of wave on a string,examples on string velocity

15	Waves (String & Sound Wave)	4	examples on velocity of wave,power transfer on a string,intensity of a transverse wave,examples on power transfer & intensity,potential energy in a string,phase defference
		5	shape of a curve,charge of medium,reflection of wave,examples on waves, standing waves
		6	standing waves,energy in a loop of standing waves,examples on standing waves
		7	string fixed at both ends,string fixed at arc end,sonometer,examples on sonometer & strings
		8	sound wave:-introduction,presure wave & displacement wave,equation of pressure waves,speed of sound waves in fluid and solid,examples on sound waves
		9	effect of pressure ,temperature on speed of sound,effect humidity on speed,examples on speed of sound
		10	interference of sound waves,examples on interference,constructive & distructive interference
		11	standing waves in air colum,organ pipes,examples on organ pipes
		12	beats introduction,examples on beats, doppler effect,examples on doppler effect
16	Gravitation	1	Newton's law of gravitation
		2	Gravitation field intensity
		3	Gravitation Potential and G.P. Energy
		4	Variation of g
		5	Kepler's Law
			1. Orbital velocity 2. Escape veolcity
6	Geostationary satellites and 2 star system		
17	Error	1	Vernier callipers ,screw gauge, serle's experiment
		2	Vernier callipers ,screw gauge, serle's experiment
		3	Discussion

NEET Physics 11th Problem Solving Course		
S.No.	Chapter Name	No. of Lectures
1	Unit Dimension	1
2	Basic Maths	1
3	Vector	2
4	Kinematics	3
5	NLM and Friction	3
6	Circular Motion and Worl, Power, Energy	3
7	Centre of Mass	3
8	Rotional Motion	3
9	Fluids	3
10	Surface Tension and Viscosity	2
11	Heat	2
12	Heat Transfer	2

13	Elasticity and Thermal Expansion	2
14	Kinetic Theory of Gas & Thermodynamics	3
15	Simple Harmonic Motion	2
16	Waves (String & Sound Wave)	2
17	Gravitation	2
18	Error	1

NEET Super Saver Course - 10th to 11th Moving Physical Chemistry - Prince Singh (PS) Sir

Foundation			
S.No.	Chapter Name	Lecture No.	Lecture Name
1	Foundation	1	Matter & classification
		2	Elements, compounds, atoms & molecules
		3	Atomic mass, Relative atomic mass, Molar mass, Molecular mass, Formula Unit mass
		4	Mole concept-calculation of moles, calculation of number of particles(atoms, molecules, ions, electrons, protons, neutrons).
		5	Isotope, isobar, isotones, isodiaphers, isoester
		6	Oxidation number & its calculation
		7	Basic balancing of reactions
		8	Naming of anions
		9	Naming of acids
		10	Structure drawing of acids
		11	Oxidation and reduction
		12	Reducing agent & Oxidising agent
		13	Ideal gas equation & using ideal gas equation
		14	Vapour pressure ,boiling point

Physical Chemistry 11th			
S.No.	Chapter Name	Lecture No.	Lecture Name
	MOLE CONCEPT	1	Atoms & molecules ,atomic mass & relative atomic mass, Formula unit mass & Molar mass
		2	Moles and calculation of moles calculation of moles from volume of gas at STP, calculation of electrons, protons & neutrons, calculation of charge
		3	Average atomic mass of isotopic mixture, average molar mass of gaseous mixture, vapour density of gaseous mixture,
		4	percentage composition, Laws of chemical combination
		5	Molecular and empirical formula, calculation of empirical formula for combustion of organic compounds

1	(15 Lecture)	6	stoichiometry and stoichiometric calculation, concept of limiting reagent
		7	percentage yield, percentage purity and calculation
		8	Mixture Analysis, POAC (Principle of Atom conservation)
		9	Series and Sequential Reaction, Parallel Reactions
		10	Concentration Terms and Their Interconversion
		11	Application of Molarity, Molarity of dilution, Molarity of mixing
		12	Volume Strength of H ₂ O ₂ , Miscellaneous Questions
		13	eudiometry and its application
		14	Methods of determination of Atomic and Molecular mass
2	ATOMIC STRUCTURE (11 Lecture)	15	Introduction, Discovery Of electrons & protons, Rutherford's a Particle Scattering Experiment, Drawback of Rutherford's Model
		16	Electromagnetic Radiation, Planck's Quantum Theory and its Application
		17	photoelectric effect,
		18	Bohr's atomic model, radius of electron in nth Bohr orbit, velocity, time period & frequency of electron in nth Bohr orbit
		19	Energy of electron in nth Bohr orbit, energy of different energy levels, ionisation energy
		20	Spectrum & its types, hydrogen spectrum, different series in hydrogen spectrum
		21	Calculation of number spectral lines, drawbacks of Bohr's model, De-Broglie concept, association of de-Broglie concept with Bohr's model
		22	Heisenberg's uncertainty principle, calculation of uncertainty in wavelength from uncertainty in position, quantum numbers
		23	Magnetic Quantum Number, Spin Quantum Number, Orbital Diagrams, Nodal Planes
		24	Pauli's Exclusion Principle, Hund's Rule of Maximum Multiplicity, Writing Electron Configurations, Exceptional Electronic Configurations Stability of Half Filled & Full Filled Configurations, Exchange Energy, Magnetic Moment
		25	Schrodinger wave equation, radial and angular nodes, graphs of wave functions & orbitals, Radial probability density function, illustration Radial probability density function, illustration
3	GASEOUS STATE (9 Lecture)	26	Introduction, Gas laws & Graphs Related to Gas Laws, Ideal gas Equation
		27	Types of Vessels, Manometer and Barometer, faulty barometer
		28	Dalton's law & its application, effusion & diffusion
		29	Effusion, diffusion & its applications, kinetic theory of gases
		30	Kinetic gas equation, types of molecular speeds, K.E. of gas, Maxwell's speed distribution curve
		31	Maxwell's speed distribution curve, real gas and van der Waal's equation, significance of van der Waal's constant, compressibility factor (Z)
		32	Variation of compressibility factor with pressure, calculation of compressibility factor in different conditions

		33	variation of compressibility factor with temperature, liquefaction of gases & andrew's isotherms, critical temperature, pressure & volume
		34	virial equation of state, boyle's temperature & inversion temperature, collision theory & mean free path
4	CHEMICAL EQUILIBRIUM (7 Lecture)	35	Introduction
		36	writing the expression of equilibrium constant, relation between K_p & K_c and their units, characteristics of equilibrium constant, calculation of K_p & K_c for various reactions
		37	calculation of K_p & K_c , illustrations on K_p & K_c
		38	degree of dissociation, Calculation of k_p and k_c by degree of dissociation method, Calculation of Degree of dissociation by Vapour Density measurement
		39	Significance of Equilibrium Constant, Reaction Quotient and its Application, le-chatlier's Principle
		40	le-chatlier's principle (effect of temperature, addition of inert gas and catalyst), Simultaneous equilibrium
		41	physical equilibrium, vapor pressure and boiling point, triple phase diagram, relative humidity and its calculation
5	IONIC EQUILIBRIUM (14 Lecture)	42	Introduction, acid base theories, amphiprotic species and conjugate acid base pairs, self ionisation
		43	weak and strong electrolytes, Ionisation constant of weak and strong electrolyte, common ion effect and its application
		44	numericals on common ion effect, properties of water, ionic product, pH scale, pH calculation for strong monoprotic acids
		45	pH calculation of strong diprotic acid, pH of mixture of strong acids or strong bases, pH of mixture of strong acid and strong base, pH of weak monoprotic acids and bases
		46	pH of mixture of weak acid and strong acid, pH of mixture of two weak acids, relative strength of weak acids, pH of weak diprotic acid and bases
		47	relation between K_a & K_b for conjugate acid base pair, types of salt and salt hydrolysis, hydrolysis of salt of different types
		48	hydrolysis of salt of W.A and W.B, illustration, hydrolysis of polyprotic ions
		49	Hydrolysis of Amphiprotic Ions, Buffer Solutions, Working of Buffer, pH Calculation for Buffer Solutions
		50	Illustrations, effective buffer range, buffer capacity
		51	Isohydric Solutions, Acid-Base Titrations
		52	theory of indicators, color transition range, titration curves & selection of indicator
		53	Titration of Weak Base vs Strong Base, Titration of Polyprotic Acid vs Strong Base, Solubility & Solubility Products
		54	Calculation of Solubility in Pure Water, Solubility in Presence of Common Ion, Simultaneous Solubility, Condition for Precipitation, Significance of Value of K_{sp}
		55	selective precipitation, solubility of salt of acid in different cases, complex formation equilibrium

6	THERMODYNAMICS (15 Lecture)	56	Basic terms used in thermodynamics system,surrounding,boundary or wall,extensive & intensive properties, State & Path functions
		57	Heat capacities, Molar heat capacity(C_v & C_p),degree of freedom for monoatomic,diatomic,triatomic gas
		58	Internal energy(for ideal gas & solid and liquid), heat and work,
		59	Zeroth law of T.D., First Law Of T.D., Applications of first law
		60	, Enthalpy function, relation between ΔH & ΔU , Applications & Illustrations
		61	reversible and irreversible processes,comparison of work done in reversible and irreversible processes
		62	thermodynamic processes,analysis of a)isobaric process b) isochoric process c) isothermal process
		63	reversible and irreversible adiabatic process,comparison of final temperature in reversible and irreversible adiabatic,comparison of isothermal & adiabatic process
		64	free expansion,cyclic process
		65	limitations of first law of thermodynamics, spontaneous and non-spontaneous process, Entropy & It's significance
		66	Mathematical definition of entropy,condition for spontaniety,statements of 2nd law
		67	calculation of entropy for isochoric process,isobaric process,isothermal process,adiabatic process
		68	calculation of entropy in free expansion,entropy change for heating of solid,liquid & gas,entropy of reaction,third law of thermodynamics
		69	introduction of gibbs function,criteria for spontaniety,physical significance of gibbs free energy
		7	THERMOCHEMISTRY (6 Lecture)
71	introduction,enthalpy of formation,enthalpy of combustion,Hess's law		
72	introduction,enthalpy of formation,calculation of enthalpy of reaction by enthalpy of formation,enthalpy of compustion		
73	enthalpy of neutrilisation and its calculation,lattice enthalpy & born haber cycle		
74	enthalpy of hydration,enthalpy of solution,enthalpy of atomisation & other enthalpies		
75	calorimetry, adiabatic flame temperature		
8	REDOX REACTION (6 Lecture)	76	bond energy, bond dissociation energy, resonance energy
		77	Oxidation Number and Calculation, Redox Reactions, Types of Redox Reactions
		78	Balancing of Redox Reactions by Ion Electron and Oxidation Number Method
		79	n-factor & its calculation in different cases
		80	N-Factor for Disproportionation Reaction,Equivalent concept
		81	Normality of mixing and dilution, acid base and redox titrations
		82	Iodometric and Iodimetric Titration, Back Titration

Physical Chemistry 11th Problem Solving Schedule

S. No.	Topic	Lecture No.	Subtopic
1	MOLE CONCEPT	1	Revision summary, DPP and Sheet Disussion
		2	Revision summary, DPP and Sheet Disussion
2	ATOMIC STRUCTURE	3	Revision summary, DPP and Sheet Disussion
		4	Revision summary, DPP and Sheet Disussion
3	GASEOUS STATE	5	Revision summary, DPP and Sheet Disussion
		6	Revision summary, DPP and Sheet Disussion
4	CHEMICAL EQUILIBRIUM	7	Revision summary, DPP and Sheet Disussion
		8	Revision summary, DPP and Sheet Disussion
5	IONIC EQUILIBRIUM	9	Revision summary, DPP and Sheet Disussion
		10	Revision summary, DPP and Sheet Disussion
6	THERMODYNAMICS	11	Revision summary, DPP and Sheet Disussion
		12	Revision summary, DPP and Sheet Disussion
7	THERMOCHEMISTRY	13	Revision summary, DPP and Sheet Disussion
		14	Revision summary, DPP and Sheet Disussion
8	REDOX REACTION	15	Revision summary, DPP and Sheet Disussion
		16	Revision summary, DPP and Sheet Disussion

NEET Super Saver Course - 10th to 11th Moving Inorganic Chemistry - Jitendra Hirwani (JH) Sir

Foundation

S.No.	Chapter Name	Lecture No.	Lecture Name
1	Foundation Lectures	1	Writing electronic configuration & rembering configurations in periodic table
2		2	Classification of elements, valency, covalency
3		3	Making formulas of compounds

Inorganic Chemistry 11th

S.No.	Chapter Name	Lecture No.	Lecture Name
1	Quantum Number and Electronic Configuration (5 Lecture)	1	Four types of Quantum Numbers Principle Quantum Number
		2	Azimuthal Quantum Number
		3	Magnetic Quantum Number
		4	Spin Formula of No. of electron / Subshell / orbital in a Shell / Subshell / orbital Numerical Example
		5	Rule of writing electronic Configuration - Aufbau Rule, - Hund's Rule - Pauli's Exclusion Principle, Question on Quantum Numbers, Nodes (Radical Angular), Shapes of Orbital
		6	Modern Periodic Table
		7	Introduction, Historical Development of Periodic Table, Mendleev's Periodic table
		8	Screening Effect, Nomenclature of elementS with Z>100

2	Periodic Table (8 Lecture)	9	Atomic Size & Exception, Ionic Radii & its variation
		10	Ionisation Energy , Its Variation & application
		11	Electron affinity & Electron Gain Enthalpy, Factors affecting electronaffinity , Trends in Electron Affinity
		12	Electro negativity , Scales to measure electronegativity, factors affecting electronegativity & Applications of electronegativity
		13	Hydration enthalpy and applications of Hydration Enthalpy
3	Chemical Bonding (16 Lecture)	14	Introduction to chemical bonding, Types Of Chemical Bonds - Ionic bond
		15	Symmetrical & Asymmetrical H- Bond , Vander Waal's Forces
		16	Ionic Bond , Covalent & Coordinate Bonds
		17	Lewis Octet Rule & Lewis Dot Structure, Exceptions to Lewis Octet Rule
		18	Formal Charge & Its application, Lewis Acid- Base Concept
		19	Valence Bond Theory, Concept Of Overlapping, Formation of sigma, pi & Delta Bonds
		20	Hybridization , predicting geometry on the basis of hybridization, calculation of hybridization state in different compounds, electro negativity and hybridization
		21	VSEPR & its application, Equivalent and non-equivalent Hybridized orbitals, Calculation of pp-pp & pp-dp bonds, Hybridisation in solid state
		22	Bent Rule & Its application, Bond order and its calculation
		23	Bond Angle & Drago's rule, Comparison of Bond Angle, Bond length and comparison of bond length
		24	Dipole moment & Its application
		25	Miscellaneous type of bonds, Back - Bonding , Banana bond
		26	Molecular Orbital Theory & Formation Of molecular orbitals & Their energy Order
		27	Filling of electrons, Bond Order, magnetic character and stability of species, MOT for Heteroatomic species
		28	Hydrogen Bonding , Strength Of H bonding, Intermolecular & Intramolecular H - Bonding, Comparison of Physical properties on the basis of H- Bonding
		29	Polarisation & Fajan's Rule and Its application of Fajan's Rule - Comparison Of Covalent character, Thermal stability Of compounds, Color of compounds, Solubility of ionic compounds in water
4	s- block (4 Lecture)	30	Introduction , Comparison of Physical & Chemical properties of Alkali Metals & Alkaline Earth Metals
		31	Some important compounds of Alkali Metals & Alkaline Earth Metals- NaOH, NaHCO ₃ , Na ₂ CO ₃ , CaCO ₃
		32	Cement & Its composition
		33	Biological Roles of Na, K, Mg & Ca
5	Hydrogen (4 Lecture)	34	Introduction, Ortho & Para Hydrogen, Preparation Of Hydrogen, Physical & Chemical Properties Of Hydrogen
		35	Hydrides and their classification, Water and its properties
		36	Hardness of water, Types of hardness and removal of hardness
		37	Hydrogen peroxide & Its properties,

Inorganic Chemistry 11th Problem Solving Schedule

S. No.	Chapter Name	Lecture No.	Subtopic
1	Quantum Number and Electronic Configuration	1	Revision summary, DPP and Sheet Disussion
2	Periodic Table	2	Revision summary, DPP and Sheet Disussion
		3	Revision summary, DPP and Sheet Disussion
3	Chemical Bonding	4	Revision summary, DPP and Sheet Disussion
		5	Revision summary, DPP and Sheet Disussion
		6	Revision summary, DPP and Sheet Disussion
4	s- block	7	Revision summary, DPP and Sheet Disussion
		8	Revision summary, DPP and Sheet Disussion
5	Hydrogen	9	Revision summary, DPP and Sheet Disussion
		10	Revision summary, DPP and Sheet Disussion

NEET Super Saver Course - 10th to 11th Moving Organic Chemistry - Navneet Jethwani (NJ) Sir

Foundation

S.No.	Chapter Name	Lecture No.	Subtopic
1	Foundation of Organic Chemsitry	1	Electronic Configuration of elements
		2	Chemical Bonding-Octet Rule and Lewis Dot Structure
		3	Drawbacks of Lewis Dot Structure and Valency Bond Theory (VBT)
		4	Concept of hybridisation /VSEPR theory/shape of molecules
		5	Chemical bonding in organic compounds

Organic Chemistry 11th

S.No.	Chapter Name	Lecture No.	Subtopic
1	Classification and Nomenclature of Organic Compounds	1	Classification of Organic Compounds, Concept of bonding and hybridisation of carbon
		2	Classification of carbon and Hydrogen atoms, Bond Line notations
		3	Identification of Functional Groups, Homologous series, Identification of cyclo, bicyclo, and spiro compounds
		4	Degree of Unsturation and examples, Nomenclature of Hydrocarbons(Alkanes)
		5	Nomenclature Of Cyclo, Bicyclo, Spiro, alkenes and alkynes
		6	Nomenclature Of compounds containing Functional Groups (carboxylic acid, cyanide, aldehyde, amide, acid halide, esters anhydrides etc.)

2	GOC-1	7	Nomenclature Of compounds containing Functional Groups (carboxylic acid, cyanide, aldehyde, amide, acid halide, esters anhydrides etc.)		
		8	Priority Table of Functional group, Nomenclature of Compounds Containing multiple functional Groups		
		9	Nomenclature of Compounds Containing multiple functional Groups, epoxides		
		10	Nomenclature of Aromatic Compounds		
		11	Common Names of Organic Compounds		
		12	Electronic Displacement effect classification, Inductive Effect, I effect series		
		13	Application of Inductive effect of stability of intermediates, Comparison of Acid strength and base strength		
		14	Inductive effect complete, Resonance, Condition for resonance and writing R.S.,		
		15	Resonance, Condition for resonance and writing R.S.,		
		16	Aromaticity and mesomeric effect		
		17	Aromaticity and mesomeric effect		
		18	Bond Order and Bond Length, Rotational Energy Barrier		
		19	Hyperconjugation, Applications of hyperconjugation, HOH,HOC		
		20	Stability of intermediate		
		21	Comparison of Acid Strength, SIR effect, Ortho effect		
		22	Comparison of Base Strength, SIP effect		
		23	Na, NaOH , NaHCO ₃ , NaNH ₂ , and CH ₃ MgBR reactions on Acidic Compounds, Spontaneity of Reactions		
		3	Structural isomerism	24	Structural isomerism (including tautomerism).
				25	
				26	
		4	Geometrical isomerism	27	Geometrical isomerism
				28	
				29	
5	Conformational isomerism	30	Conformation of Ethane,propane, butane and other hydrocarbons		
		31	Conformation of Cyclic Compounds, Hydrogen Bonding and Gauche Effect factors		
		32	Conformation of Cyclohexane including G.I.		
6	Optical isomerism	33	Symmetry elements (POS, COS, AOS, AAOS)		
		34	Symmetry elements (POS, COS, AOS, AAOS)		
		35	(i) Optical acitivity, PPL, angle of rotation (ii) d & l , numerical on specific angle of rotation		
		36	Single Chiral and Multiple Chiral Compounds, relationship between molecules, relational between molecules, R.S. configuration		
		37	Single Chiral and Multiple Chiral Compounds, relationship between molecules, relational between molecules, R.S. configuration		
		38	Conversion of Projections, Enantiomer & diastreomers, meso compounds,		
		39	Calculating number of optical isomers and stereoisomers, D-L configuration.		

Organic Chemistry 11th Problem Solving Schedule

S.No.	Topic	Lecture No.	Subtopic
1	Classification and Nomenclature of Organic Compounds	1	Revision summary, DPP and Sheet Disussion
		2	Revision summary, DPP and Sheet Disussion
		3	Revision summary, DPP and Sheet Disussion
2	General Organic Chemistry	4	Revision summary, DPP and Sheet Disussion
		5	Revision summary, DPP and Sheet Disussion
		6	Revision summary, DPP and Sheet Disussion
		7	Revision summary, DPP and Sheet Disussion
3	Isomerism	8	Revision summary, DPP and Sheet Disussion
		9	Revision summary, DPP and Sheet Disussion
		10	Revision summary, DPP and Sheet Disussion
		11	Revision summary, DPP and Sheet Disussion

NEET Super Saver Course - Biology 11th by Dr. Akanksha Agarwal (AA) Ma'am

Biology Foundation		
S. No.	Topic	No. of Lectures
1	Fundamental of Life	1
2	Tissues	1
3	Diversity in Living World, Monera, Protista, fungi	1
4	Plantae, Animalia	1
5	Life Processes, Nutrition, Respiration	1
6	Transportation, Excretion	1
7	Nervous system in animals	1
8	Coordination in plants hormones in animals	1
9	Modes of reproduction	1
10	Sexual Reproduction	1
11	Variation and heredity	1
12	Evolution, Speciation, Evolution & Classification	1
Total		12

Class 11th Schedule			
S. No.	Topic Name	Lecture No.	Lecture Name
1	Living World	1	Introduction Characteristics of Living Diversity in Living World Taxonomy
		2	Systematics Binomial and Trinomial Nomenclature Synonym, Homonym, Tautonym Autonym Taxonomic Hierarchy

		3	Taxonomical Aids Biological Concept of Species Types of Species
2	Biological Classification	1	Introduction Aristotle Classification 2/3/4/5/6 Kingdom Classification
		2	Kingdom Monera- General Characters,Structure of Bacteria,Grams Staining,Difference Between Gram + and Gram-ve Bacteria
		3	Prokaryotic Flagella,Difference With Eukaryotic Flagella,Flagellation,Shapes and Nutrition in Bacteria
		4	Respiration and Reproduction in Bacteria (Asexual,Endospore,Genetic Recombination) Cyanobacteria – Introduction,Body Forms,Cell Structure
		5	Cyanobacteria–Heterocyst,Reproduction,Economic Importance Mycoplasma-Introduction,Cell Structure,Respiration,Nutrition,Reproduction Rickettsia,Chlamydia,Actinomycetes
		6	Archaeobacteria Kingdom Protista – General Characters
		7	Photosynthetic Protists Dinoflagellates Chrysophytes Euglenoids
		8	Reproduction in Diatoms Slime Moulds – Acellular and Cellular
		9	Kingdom Fungi-General Characters,Nutrition,Habitat,Body Structure,Vegetative and Asexual Reproduction
		10	Sexual Reproduction in Fungi,Sexual Spores Types of Plasmogamy
		11	"Phycomycetes,Ascomycetes,Basidiomycetes,Deuteromycetes Useful and Harmful Activities of Fungi Kingdom Plantae and Animalia"
		12	Mycorrhiza Lichens
		13	Viruses Viroids Prions
3	Plant Kingdom	1	Systems of Classification-Artificial,Natural and Phylogenetic Taxonomy Branches Algae-General Characters,Forms and Sizes
		2	Reproduction in Algae Comparative Study of 3 Class of Algae Green/Red/Brown Algae
		3	Summary of Green/Red/Brown Algae Economic Importance,Life Cycle of Algae Chlamydomonas,Ulothrix,Spirogyra Bryophyte-General Characters,Habitat,Forms,Nutrition
		4	Bryophytes – Plant Body,Vegetative,Asexual & Sexual Reproduction Life Cycle of Bryophytes Similarities & Difference Between Algae & Bryophytes Classification of Bryophytes Characters of Liverworts and Mosses
		5	Important Points About Funaria Spore Dispersal and Importance of Bryophytes Pteridophytes-General Characters,Classification,Plant Body and Life Cycle
		6	Homo and Heterospory Precursor of Seed Habit Similarities & differences Between Bryophytes & Pteridophytes Classes and Economic Importance of Pteridophytes
		7	Gymnosperms – General Characters,Sporophyte and Gametophyte,Life Cycle,Similarities & Dissimilarities Between Pteridophytes & Gymnosperms

		8	Classification and Economic Importance of Gymnosperms Angiosperms – Introduction, General Characters Classification Structure of Flower Economic Importance of Angiosperms
		9	Life Cycle of Angiosperms Similarities & Differences Between Gymnosperms & Angiosperms Life Cycle Patterns and Alternation of Generation in Plants Comparative Study of Plant Groups
4	Animal Kingdom	1	Introduction to 5 Kingdom Classification, Euglenoids
		2	PROTOZOA - General Characters, Classification, Flagellated Protozoa
		3	Amoeboid Protozoa, Ciliated Protozoa
		4	Sporozoa Class of Protozoa, 11 Phyla of Animal Kingdom, 7 Criteria for Classification of Animals
		5	Phylum PORIFERA
		6	Coelenterata/Cnidaria, Ctenophora
		7	Phylum Platyhelminthes and Aschelminthes
		8	Phylum Annelida, Phylum Arthropoda
		9	Arthropoda, Mollusca
		10	Echinodermata, Hemi-Chordata, Chordata-Typical Characters, Classification, Uro and Cephalochordata
		11	Class Cyclostomata, Pisces-Chondrichthyes and Osteichthyes
		12	Class Amphibia and Reptilia
		13	Aves, Mammalia, Comparative Study of All Phyla
5	Morphology of flowering plants	1	Introduction General Characters, functions and Types of Root Systems (Tap, Fibrous and Adventitious) Regions of the Root Modifications of Tap root System
		2	Modifications of Adventitious Roots – Food Storage, Vital and Other Functions The Stem – General Characters Buds – Types and Modifications Forms of Strong and Weak Stem, Functions of Stem
		3	Modifications of Underground Stem, Modification of Suberial Stem, Modification of Aerial Stem, The Leaf-General Characters, Structure, Parts Types of Stipules, Venation in Leaves
		4	Types of Reticulate and Parallel Venation Simple and Compound Leaf Types of Compound Leaves Phyllotaxy modification of leaf Insectivorous Plants Inflorescence Introduction
		5	"Types of inflorescence – Racemose and Cymose Types of racemose – Raceme, Panicle, spike, catkin, Types of cymose – Uniparous helicoid & scorpioid, biparous and multiparous Hypanthodium and Cyathium inflorescence"
		6	"Verticillaster Inflorescence The Flower and Some Important Terms Related Symmetry of Flower Hypo/Epi/Perigynous Flower Calyx – Introduction, types Modifications Corolla – Introduction , Types Forms of corolla"
		7	Aestivatin, Androecium- Introduction, Adhesion, Cohesin, Di and Tetradynamous Condition, Gynoecium- Introduction, parts, apocarpous and Syncarpous, Unilocular and Multilocular Ovary
		8	Placentation Fruits and Their types (True, False, Simple, Aggregate, Composite) Edible Parts of Fruit

		9	Seed , Fabaceae , Solanaceae , Liliaceae
		10	Family Poaceae , Malvaceae , Cucurbitaceae , Compositae
6	Anatomy of Flowering plants	1	Types of plant tissue , Meristematic tissue , Primary , Secondary , Apical , Intercalary , Lateral meristem , Theories for shoot and root organisation
		2	Simple and Complex Permanent tissue (Parenchyma , Collenchyma , Sclerenchyma , Xylem and Phloem)
		3	Epidermal, Groud and Vascular Tissue System
		4	Anatomy of Dicot and Monocot Leaf, Anatomy of Dicot and Monocot Root
		5	Anatomy of Dicot and Monocot Stem , Secondary growth in Dicot stem (Stelar region) , Spring and Autumn wood
		6	Heart and Sap wood , Secondary growth in Dicot stem (Extra-Stelar region) , Bark , Lenticles , Secondary growth in Dicot Root
		7	
7	Structural Organisation In Animals	1	Introduction, Types, Epithelial Tissue
		2	Unicellular and Multicellular Glands, Connective Tissue - Structure, Types, Loose and Dense Connective Tissue
		3	Specialised Connective Tissue, Pigment, Mucoïd, Reticular Connective Tissue, Skeletal C.T-Bones and Cartilage
		4	Vascular Connective Tissue, Blood-Plasma,RBC,WBC,Platelets, Blood Coagulation
		5	Anti-Coagulants, Lymph, Muscular and Neural Tissue
		6	Earthworm-Taxonomy,General Characters, Morphology,Digestive,Respiratory and Excretory System
		7	Earthworm-Circulatory,Nervous and Reproductive System
		8	Cockroach-Taxonomy, Habitat & habits, Morphology (head, Thorax & Abdomen)
		9	Cockroach-Digestive,Respiratory, Excretory,Nervous,Endocrine and Reproductive System
		10	FROG-General Characters, Morphology,Digestive & Respiratory System
		11	FROG- Circulatory, Endocrine, Nervous, Excretory, Reproductive System
8	Cell : The Unit of Life	1	Historical Background Cell Theory Difference Between Prokaryotic and Eukaryotic Cell Structure of Bacterial Cell
		2	"Difference Between Plant and Animal CellParts of Eukaryotic Cell CytoplasmCell Wall and Middle Lamella Plasmodesmata"
		3	Vacuoles Plasma Membrane
		4	ER,Golgi Body,Lysosome,Peroxisome,Glyoxisome,Spherosome,Ribosome
		5	Semi Autonomous Organelles-Mitochondria,Plastids
		6	Cytoskeleton,Centriole and Centrosome,Cilia and Flagella
		7	Nucleus,Chromatin,Coiling of DNA,Nucleolus
		8	Chromosome – Structure and Types Giant Chromosomes
		1	Introduction Acid Soluble and Insoluble Biomolecules Ash Analysis Primary and Secondary Metabolites Amino Acids
		2	Proteins Lipids-Triglycerides
		3	Lipids Monosaccharides

9	Biomolecule	4	Oligosaccharides Polysaccharides
		5	Nucleoside and Nucleotide Higher Nucleotide (ATP Structure) Polynucleotide
		6	Nucleic Acid–DNA and RNA Double Helix Model of B-DNA Living State
		7	Enzymes – Properties,Classification,Factors Affecting Enzyme Action,Composition
10	Cell Cycle And Cell Division	1	Basis for division,Amitosis,Cell Cycle,Check Points,Regulation of Cell Cycle
		2	Mitosis,Mitogens,Mitotic Poisons
		3	Meiosis
11	Transport in Plants	1	Short distance and Long distance transport , Direction of transport , Means of transport (Diffusion , Facilitated diffusion , Active transport)
		2	Plant water relations , Osmosis , Osmotic pressure , Solute potential , Plasmolysis , Turgor pressure / Pressure potential
		3	Water potential , Diffusion pressure , Diffusion pressure deficit (DPD) , Some numericals , Imbibition
		4	Long distance transport of water , How do plants absorb water , Symplast and Apoplast pathways , Mycorrhiza , Water movement up a plant , Root pressure
		5	Transpiration pull,Cohesion tension transpiration pull theory,stomatal apparatus,Anti-transpirants , transpiration and photosynthesis - a compromise , Transpiration ratio
		6	Uptake and transport of mineral nutrients , Translocation of mineral ions , Phloem transport , The pressure flow or mass flow hypothesis
12	Mineral nutrition	1	Methods to Study Mineral Requirements of Plants (Hydroponics) , Essential Mineral Elements , Criteria For Essentiality , Macro and Micronutrients , Deficiency Symptoms of Essential Elements
		2	Deficiency Symptoms on Basis of Mobility of ,Toxicity of Micronutrients ,Role of Macro and Micro-nutrients
		3	Mechanism of Absorption of Elements ,Translocation of Solutes ,Soil, as Reservoir of Essential Elements ,Metabolism of Nitrogen,Nitrogen Cycle,Biological Nitrogen Fixation
		4	Root Nodule Formation in Soybean ,Fate of Ammonia ,Reductive Amination ,Transamination Amide Formation
13	Photosynthesis in Higher plants	1	Definition and Importance of Photosynthesis ,Early Experiments ,Site of Photosynthesis Photosynthetic Pigments Introduction
		2	Photosynthetic Pigments , Absorption and Action Spectrum , Red drop , Emerson effect , Photosystem I and II , Light and Dark Reaction , Photolysis of Water
		3	"Cyclic and Non-cyclic Photo-phosphorylation Chemiosmotic hypothesis for ATP Formation"
		4	Biosynthetic phase , Calvin cycle , C4 pathway
		5	CAM Pathway, Photorespiration, Factors Affecting Photosynthesis
		1	Respiration , Respiratory Substrates , Types of Respiration Aerobic and Anaerobic , Glycolysis
		2	Fermentation – Alcoholic and Lactic acid , Respiratory Quotient , Steps of Aerobic respiration , Link reaction

14	Respiration in Plants	3	Kreb's cycle , Respiratory Balance Sheet , Compare Fermentation and Aerobic respiration , Amphibolic pathway , Factors affecting cell respiration
		4	ETS and oxidative phosphorylation,Glycerol-3-Phosphate and Malate-Aspartate Shuttle,pentose Phosphate Pathway,Respiratory Efficiency ,Significance of Respiration
15	Plant Growth and Development	1	Growth – types , phases , Growth rate – airthematic and geometric , Absolute and relative growth rate conditions for growth ,differentiation , dedifferentiation , redifferentiation ,development , plasticity
		2	"Plant growth regulators , Auxins , Gibberellins , Cytokinins , Ethylene , Abscissic acid , Synergistic and Antagonistic hormones"
		3	Photoperiodism , Vernalisation , Seed dormancy
16	Digestion and Absorption	1	Nutrition Macro and Micronutrients Minerals Marasmus Kwashiorkor Vitamins – History,Types
		2	Vitamins – Source,Functions and Deficiency Diseases Human Digestive System – Introduction and Origin
		3	Alimentary Canal Buccal Cavity Palate Tongue Teeth
		4	Pharynx Salivary Glands Histology of Alimentary Wall
		5	Esophagus,Stomach and Gastric Glands Small Intestine and Intestinal Glands Mesentery
		6	Large Intestine,Compound Stomach in Ruminants Liver – Hepatic lobule , Portal Triad , Functions
		7	Bile,Bile Pigments,Hepatic Portal System Pancreas
		8	Digestive Juices–Saliva,Gastric,Intestinal,Pancreatic,Bile Physiology of Digestion–Nucleic Acid,Carbohydrates,Proteins
		9	Digestion of Fats,Absorption of Monosaccharides Amino Acids and Fats Assimilation Egestion
		10	GIT Hormones,GIT Disorders
17	Breathing and Exchange of Gases	1	Introduction Types of Respiration – Aerobic and Anerobic ReSpiratory Organs in Animals Ideal Respiratory Surface Respiratory Tract Nasal Chamber
		2	Larynx,Sound Production,Trachea,Bronchial and Respiratory Tree Alveoli and Surfactant Lungs,Thoracic Cage
		3	Steps of Respiration,Breathing Inhalation Exhalation,Pulmonary Volumes
		4	Pulmonary Capacity,Exchange Of Gases At Alveolar and Tissue Surface Structure of Hb
		5	Transport of Oxygen OxyHb Dissociation Curve
		6	Transport of Co2,Haldane Effect,Regulation of Breathing-Neural and Chemical Control,Hering-Breuers Reflex
		7	Mountain Sickness, Hypoxic Disorders, Decompression Sickness, Respiratory Disorders, Lung Floating Test , Positive Pressure Ventilation in Frogs, Negative Intrapleural Pressure
		1	Introduction,Blood Group ABO and RH,ABO Incompatibility,Erythroblastosis Fetalis
		2	Open & Close Circulatory System, Blood Vassels-Artery, Vein, Capillary, Evolution of Heart in Vertebrates
		3	Human Heart-External and Internal Structure

18	Body Fluids and Circulation	4	Nodal Tissue of Heart, Double Circulation, Coronary System, Portal system-Hepatic, Renal & Hypophyseal, Regulation of Heart Rate, HR, SV, EDV, ESV, EF, Cardiac Output
		5	Cardiac Cycle, Heart Sounds, ECG
		6	Pulse, Blood Pressure, Hypertension, Atherosclerosis, Heart Attack, Angina, Heart Failure, Cardiac Arrest, CPR
		7	Lymphatic System-Lymphatic Vessels, Lymph Nodes, Spleen
19	Excretory Products and Their Elimination	1	Introduction Excretory Products Ammonotelic, Ureotelic, Uricotelic Animals Excretory Organs in Animals
		2	Osmoregulators and Osmoconformers Human Excretory System Kidney, Ureter, Urinary Bladder, Urethra
		3	Internal Structure of Kidney Nephron Structure Pathway of Urine
		4	Types of Nephron – Cortical and Juxta-Medullary Steps of Urine Formation Glomerular Ultrafiltration Selective Reabsorption Tubular Secretion
		5	Counter Current Mechanism Urine Composition Abnormal Constituents of Urine
		6	Osmoregulatory Role of Kidney Diuretics Renal Threshold Micturition Reflex
		7	Urea Cycle Other Accessory Excretory Organs Renal Disorders Renal Failure Hemodialysis CAPD
20	Locomotion and Movement	1	Introduction, Types of Movement, Structure of Skeletal Muscle, Ultrastructure of Muscle Fibre, Myofibrils, Sarcomere
		2	Structure of Myosin and Actin Filament Sliding Filament Theory, Composition Of Muscle, Energy Sources for Muscle
		3	Cori Cycle, Red & White Muscle Fibre, Some Important Terms, Rigor Mortis, Latent & Refractory Period MyAsthenia Gravis Muscular Dystrophy
		4	Human Skeletal System Classification, Skull, Sternum, Ribs, Vertebral Column, Structure of Typical Vertebrae
		5	Atypical Vertebrae Appendicular Skeleton System – Pectoral and Pelvic Girdle, Forelimbs and Hindlimbs
		6	Joints – Fibrous, Cartilaginous, Synovial Types of Synovial Joints Disorders Related to Joints
		1	Introduction of Nervous System Structure of Neuron Generation & Conduction of Nerve Impulse - Resting / Polarised Stage
		2	Generation & Conduction of Nerve Impulse- Depolarised & Repolarised Stage Absolute & Refractory Period Synapse – Electrical & Chemical Neurotransmitters
		3	Neurotransmitters Recycling Salutatory Conduction Laws and Speed of Impulse Conduction Human Nervous System Classification Meninges Cerebro-Spinal Fluid
		4	Ventricles of Brain and Canal of Spinal Cord Grey and White Matter Brain – Introduction Forebrain – Olfactory Lobes Cerebrum

21	Neural control and coordination	5	Lobes in Cerebrum Diencephalon – Epithalamus, Thalamus, Hypothalamus Limbic System Basal Ganglia Midbrain Hindbrain – Pons, Medulla, Cerebellum
		6	Cranial Nerves Reflex Action Innate and Acquired Reflex Action Reflex arc Monosynaptic and Polysynaptic Reflex
		7	Autonomic Nervous System Sympathetic and Parasympathetic Nervous System
		8	Sense Organs – Classification Skin Olfactoreceptors Gustatoreceptors
		9	Human Eye Extra-Ocular muscles Protective Coverings of Eyeball Internal Structure of Eye – Sclera, Choroid
		10	Retina and Its Sub-Layers Blind Spot Macula and Fovea Rods and Cones Mechanism of Image Formation
		11	Control of Papillary Diameter Power of Accommodation Disorders of Eye Human Ear – External and Middle Ear
		12	Human Ear – Inner Ear Cochlea Vestibular Apparatus Diseases of Ear Diseases of Nervous System
22	Chemical coordination and Integration	1	Introduction Types of Glands Properties, Classification and Mechanism of Action of Hormones
		2	Pituitary Gland Hypothalamic Control Over Pituitary Hypophyseal Portal System
		3	Pituitary Disorders Pineal Gland Thyroid Gland
		4	Thyroid Disorders Parathyroid Gland Thymus Gland Pancreas
		5	Adrenal Gland Testis Ovary Placenta Antagonistic and Synergistic Hormones Hormones of Heart/Kidney/Liver and GIT

NEET Biology 11th - Problem Solving Course		
S.No.	Chapter Name	No. of Lecture
1	The living world	1
2	Biological Classification	1
3	Plant kingdom	1
4	Animal kingdom	1
5	Morphology of flowering plants	2
6	Anatomy of flowering plants	1
7	Structural organisation in animals	2
8	Cell the unit of life	1
9	Biomolecules	1
10	Cell cycle and cell division	1
11	Transport in plants	1
12	Mineral Nutrition	1
13	Photosynthesis in Higher plants	1
14	Respiration in plants	1
15	Plant growth and Development	1
16	Digestion and absorption	1

17	Breathing and exchange of gases	1
18	Body fluids and circulation	1
19	Excretory products and their elimination	1
20	Locomotion and movement	1
21	Neural control and Coordination	2
22	Chemical coordination	1
	Total Lecture	25