

VIBRANT ACADEMY (I) PVT. LTD.
Vibrant All India Test Series (VAITS) XIIth
Syllabus

PT-1 (NEET) Date : 25-07-2021

Physics : Reflection from Plane and Curved Surface Refraction from Plane and Curved Surface, Prism, Optical Instruments, Wave Optics (Till Completion), Projectile Motion, Newton's laws of Motion.

Chemistry : **Physical Chemistry:** Chemical Kinetics, Solutions and Colligative Properties, Chemical Equilibrium.

Biology : **Botany:** Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Principles of Inheritance and Variation (till completion)
Zoology: Structural Organisation in Animals, Animal Kingdom, Biomolecules, Digestion & Absorption, Breathing & Exchange of Gases, Body Fluids & Circulation.

PT-2 (NEET) Date : 22-08-2021

Physics : Nuclear Physics, Radio Activity, Friction, Circular Motion.

Chemistry : **Physical Chemistry:** Mole concept, Ionic Equilibrium, Solid State, Electrochemistry, Thermodynamics.

Biology : **Botany:** Molecular Basis of Inheritance (Complete)
Zoology: Digestion & Absorption, Breathing & Exchange of Gases, Body Fluids & Circulation.

PT-3 (NEET) Date : 12-09-2021

Physics : Radioactivity, Electrostatics, Rotational Motion

Chemistry : **Organic Chemistry:** Isomerism, Hydrocarbon (till taught)
Physical Chemistry: Electrochemistry, Solid State, Ionic Equilibrium.

Biology : **Botany:** Strategies for Enhancement in Food Production, Organisms & Populations, Ecosystem
Zoology: Excretory Product & their Elimination, Locomotion & Movement.

PT-4 (NEET) Date : 03-10-2021

Physics : Electrostatics (Complete), Current Electricity, Work, Power & Energy.

Chemistry : **Organic Chemistry:** Hydrocarbons Complete, IUPAC & Nomenclature, Isomerism.
Physical Chemistry: Oxidation & Reduction.

Biology : **Botany:** Ecology (Complete)
Zoology: Neural Control (Except Eye & Ear), Endocrine

PT-5 (NEET) Date : 28-11-2021

Physics : Current Electricity, Magnetic Effect of Current, Capacitance, Kinematics.

Chemistry : **Inorganic Chemistry:** Periodic Table.
Organic Chemistry: Alkyl halide and Aryl halides, Phenol and Ethers Aromatic compounds Reaction, Grignard Reagent, Carbonyl Compounds and Amines

Biology : **Botany:** Reproduction in Organisms, **Reproduction in Organism**, The Living World, Cell: The Unit of Life.
Zoology: Human Health & Diseases.

PT-6 (NEET) Date : 12-12-2021

Physics : Magnetic Effect of Current, Magnetism and EMI, SHM

Chemistry : **Inorganic Chemistry:** Co-ordination compound (till completion), Chemical bonding
Organic Chemistry: Amines, Carbonyl compound, biomolecules, polymers,

Biology : **Botany:** Biological classification, plant kingdom, morphology of flowering plants
Zoology: Biology in human welfare

PT-7 (NEET) Date : 03-01-2022

Physics : EMI, Alternating Current, Properties of Matter

Chemistry : **Inorganic Chemistry:** Co-ordination compounds, p-Block Elements, Hydrogen & Its Compound
Organic Chemistry: Complete organic chemistry

Biology : **Botany:** Principles of Inheritance & Variation, Transport in Plants & Mineral Nutrition
Zoology: Bio technology Principles & Processes & Its Application (Complete Unit), Evolution

PT-8 (NEET) Date : 09-01-2022

Physics : Semi conductor, Communication system, Atomic Structure, Mechanical Wave

Chemistry : **Physical Chemistry:** Liquid Solution, Solid State
Inorganic Chemistry: Metallurgy, d & f Block Elements, Chemical Bonding
Organic Chemistry: Alkyl Halide, Aryl Halide (Sn1 & Sn2, Snar, Snng), Alcohol, Phenol & biomolecules.

Biology : **Botany:** Molecular basis of Inheritance, Ecology (Complete), Photosynthesis in Higher Plants, Respiration in Plants
Zoology: Evolution, Animal Tissue