JRS TUTORIALS

PMT (NEET Type) Combined Test

(All India Test Series – Offline / Online)

Topic-Wise & Full Course Test Syllabus 2025-26

Test No.	DATE	SUB	TOPIC
1	28.06.25	P	Vector, Unit and dimension, Error calculation, Vernier calipers, Screw Gauge
		C	1. Some basic concepts in chemistry 2. Classification of elements and periodicity in properties
		B	The Living World, Biological Classification
		Z	Animal Kingdom
2	12.07.25	P	Kinematics, Newton's Laws of Motion, Friction
		C	1. Atomic structure 2. Chemical bonding and molecular structure
		B	Sexual Reproduction in Flowering Plants Principles of Inheritance and Variation
		Z	Structural organisation in animals.
3	26.07.25	P	Circular motion, Work power and energy, Centre of mass and collision
		C	1. Chemical Equilibrium 2. Co-ordination compounds
		B	Plant Kingdom Morphology of Flowering Plants Structural Organisation in Animals
		Z	Breathing and exchange of gases
09.08.25 - Cumulative Test-1			**Syllabus of Part Test 1, 2, 3**
4	23.08.25	P	Rotational Mechanics, Fluid Statics and dynamics
		C	1. Ionic Equilibrium 2. **Some basic principles of organic chemistry** Tetravalency of carbon: Shapes of simple molecules - hybridization (s and p): Classification of organic compounds based on functional groups: and those containing halogens, oxygen, nitrogen, and sulphur; Homologous series: Isomerism - structural and stereoisomerism. **Nomenclature (Trivial and IUPAC)** Covalent bond fission - Homolytic and heterolytic: free radicals, carbocations, and carbanions; stability of carbocations and free radicals, electrophiles, and nucleophiles. **Electronic displacement in a covalent bond** - Inductive effect, electromeric effect, resonance, and hyperconjugation. **Common types of organic reactions-** Substitution, addition, elimination, and rearrangement
		B	Molecular Basis of Inheritance, Human Reproduction Reproductive Health
		Z	Body fluids and circulation

5	**06.09.25**	**P**	Simple harmonic motion, String and Sound waves, Properties of matter (Elasticity, viscosity and surface tension)
		C	1. thermodynamics 2.**Purification and characterisation of organic compounds** **Purification** - Crystallization, sublimation, distillation, differential extraction, and chromatography - principles and their applications. **Qualitative analysis** - Detection of nitrogen, sulphur, phosphorus, and halogens. **Quantitative analysis** (basic principles only) - Estimation of carbon, hydrogen, nitrogen, halogens, sulphur, phosphorus. Calculations of empirical formulae and molecular formulae: Numerical problems in organic quantitative analysis,
		B	Anatomy of Flowering Plants Cell : The Unit of Life Biomolecules Breathing and Exchange of Gases
		Z	Excretory products and their elimination
6	**20.09.25**	**P**	Calorimetry, Thermal expansion and thermometry, Kinetic theory of gases, Laws of thermodynamics, Specific heat capacity and internal energy
		C	1. Chemical kinetics 2. **Hydrocarbons:** Classification, isomerism, IUPAC nomenclature, general methods of preparation, properties, and reactions. **Alkanes** - Conformations: Sawhorse and Newman projections (of ethane): Mechanism of halogenation of alkanes. **Alkenes** - Geometrical isomerism: Mechanism of electrophilic addition: addition of hydrogen, halogens, water, hydrogen halides (Markownikoffs and peroxide effect): Ozonolysis and polymerization. **Alkynes** - Acidic character: Addition of hydrogen, halogens, water, and hydrogen halides: Polymerization.
		B	Microbes in human welfare, Biotechnology : Principles and Processes
		Z	Moment and locomotion
04.10.25 - Cumulative Test-2			**Syllabus of Part test 1,2,3,4,5,6 (11th full syllabus except heat transfer and gravitation)**
7	**18.10.25**	**P**	Electrostatics, Gauss law, Gravitation
		C	1. Redox reactions 2. **Aromatic hydrocarbons** - Nomenclature, benzene - structure and aromaticity: Mechanism of electrophilic substitution: halogenation, nitration. Friedel - Craft's alkylation and acylation, directive influence of the functional group in mono- substituted benzene.
		B	Cell Cycle and Cell Division, Body Fluids and Circulation, Locomotion and Movement
		Z	Neural control and coordination
8	**01.11.25**	**P**	Capacitor, Current electricity, Heat transfer
		C	1. Solutions 2. Organic compounds containing halogens
		B	Biotechnology and its Applications, Human Health and Disease
		Z	Chemical coordination and integration.

9	**15.11.25**	**P**	Magnetic effect of current, Magnetic materials and properties, Electromagnetic induction
		C	1. electrochemistry 2. Alcohol, phenol, ether
		B	Photosynthesis in Higher Plants Respiration in Plants Excretory Products and their Elimination
		Z	Human reproduction
29.11.25 - Cumulative Test-3			**syllabus of Part test 4,5,6,7,8,9**
10	**13.12.25**	**P**	Alternating current, Geometrical optics and wave optics
		C	1. d- and f- block elements 2. Aldehyde, ketone and carboxylic acid
		B	Organisms and Populations Biodiversity and Conservation
		Z	Reproductive health
11	**27.12.25**	**P**	Electromagnetic waves, Photoelectric effect and Dual nature of matter, Atom
		C	1. Biomolecules 2. Organic compounds containing nitrogen
		B	Plant Growth and Development, Neural Control and Coordination Chemical Coordination and Integration
		Z	Evolution
12.	**10.01.26**	**P**	Nucleus, Semiconductor Electronics
		C	1. P- block elements: **Group -13 to Group 18 Elements** **General Introduction:** Electronic configuration and general trends in physical and chemical properties of elements across the periods and down the groups; unique behaviour of the first element in each group. 2. **Principles related to practical chemistry:** Detection of extra elements (Nitrogen, Sulphur, halogens) in organic compounds; Detection of the following functional groups; hydroxyl (alcoholic and phenolic), carbonyl (aldehyde and ketones) carboxyl, and amino groups in organic compounds. □ The chemistry involved in the preparation of the following: Inorganic compounds; Mohr's salt, potash alum. Organic compounds: Acetanilide, p-nitro acetanilide, aniline yellow, iodoform. The chemistry involved in the titrimetric exercises – Acids, bases and the use of indicators, oxalic- acid vs KMnO4, Mohr's salt vs KMnO4 □ Chemical principles involved in the qualitative salt analysis: Cations – Pb^{2+}, Cu^{2+}, Al^{3+}, Fe^{3+}, Zn^{2+}, Ni^{2+}, Ca^{2+}, Ba^{2+}, Mg^{2+}, NH_4^+ Anions- CO_3^{2-}, S^{2-},SO_4^{2-}, NO_3^-, NO_2^-, Cl^-, Br^-, I^-(Insoluble salts excluded). Chemical principles involved in the following experiments: 1. Enthalpy of solution of $CuSO_4$ 2. Enthalpy of neutralization of strong acid and strong base. 3. Preparation of lyophilic and lyophobic sols. 4. Kinetic study of the reaction of iodide ions with hydrogen peroxide at room temperature.
		B	Ecosystem Evolution
		Z	Human health and diseases
24.01.26 - Cumulative Test-4			**syllabus of Part test 7,8,9,10,11,12(12th full syllabus, heat transfer and gravitation)**

13	07.02.26	Full Test-1	Full Syllabus
14	21.02.26	Full Test-2	Full Syllabus
15	07.03.26	Full Test-3	Full Syllabus
16	14.03.26	Full Test-4	Full Syllabus
17	21.03.26	Full Test-5	Full Syllabus
18	28.03.26	Full Test-6	Full Syllabus
19	04.04.26	Full Test-7	Full Syllabus
20	11.04.26	Full Test-8	Full Syllabus
21	18.04.26	Full Test-9	Full Syllabus
22	26.04.26	Full Test-10	Full Syllabus