

Test Grid for Periodic Test Class-X

PT	Physics	Chemistry	Maths	Biology	Social Science	English	MAT
PT-01	Electricity (Electric Charge, Static and Current Electricity, Electric field and electric potential, Electric Potential Difference, Electric current, How the Current Flows in a Wire, Electrical symbols, Electrical circuits.)	Chemical reaction and equation (General introduction of chemistry and chemical reactions, Characteristics of chemical reaction)	Real Number (General Introduction of Number System, Euclid's Division Lemma, Euclid's Division Algorithm, Fundamental theorem of Arithmetic)	Plant Nutrition	Power Sharing	Tense	Number Series
PT-02	Electricity (Electrical resistance, Ohm's law, Conductors, Resistors and Insulators, Factors effecting the Resistance of a Conductor)	Chemical reaction and equation (General introduction of chemistry and chemical reactions, Characteristics of chemical reaction, Balanced and unbalanced equations, Balancing of equations, Specialities of chemical equation, Limitations of chemical equation and their rectification, Types of chemical equations - Combination, decomposition, displacement and double displacement.)	Real Number (Complete)	Animal Nutrition	Power Sharing & Resources, Types & Development	Tense, Subject Verb Agreement (SVA)	Alphabet Series Letter Repeating Series
PT-03	Magnet, Originate the name magnet, Magnetism, Classification of materials, Properties of magnet, Magnetic Field Lines, Magnetic Effect of Current, Magnetic Field due to a Straight Current Carrying Wire.	Chemical Reaction and Equation (Oxidation and reduction reactions. Effect of oxidation in our daily life - Combustion, Respiration, Pollution, Corrosion and Rancidity) Acids, Bases and Salts (Introduction of acids, Classification of acids, Chemical properties of acids - reaction with metals, metal oxides, carbonates and bicarbonates, bases.)	Real Numbers, Polynomials, Linear Equation in two variables	Respiration in Plants and Animals, Respiration in Human and Human Respiratory tract and Mechanism of Breathing, Mechanism of Gaseous exchange, Cellular respiration, Respiratory disorder.	Federalism	Conditionals, Comprehension, Mirror	Missing term in figures, Mathematical Operation, Arithmaticla Reasoning, Alphabet Test
PT-04	Permanent and Temporary Magnets, Electromagnet, Methods of Demagnetising a Permanent Magnet, Uses of Magnetism in medicine. Magnetic Force-Force on a Current-Carrying Conductor in a Magnetic Field, Direction of Force on Current Carrying Conductor, Motion of charged particle in a magnetic field, Lorentz force, Magnitude of Force. Electromagnetic Induction, Faraday's Experiments, Faraday's Laws of Electromagnetic Induction.	Metals & Nonmetals (Introduction of metals and non - metals, Position of metals and non - metals in the periodic table, Electronic configuration of metals. Physical properties of metals, Physical properties of non -metals, Chemical properties of metals, Chemical properties of metals, Reactivity series of metals, octet rule, Ionic bond, Properties of ionic compounds.)	Linear Equation in two variables, Trigonometry, Similar Triangles (Basic proportionality theorem and its converse, Application and Problem based on BPT and its converse)	Transportation in Plants & Animals, Transportation in human, Blood & Blood groups, blood vessels, Human Heart, Blood pressure, Lymphatic system.	Forest of Wild life Resource, Sector of Indian Economy	Determiners, Comprehension, Not marble nor the Gilded Monuments	Coding-Decoding, Sequential Output Tracing
PT-05	Sources of Energy & Nuclear Physics	Metals & Nonmetals (Complete)	Similar Triangle, Statistics	Chemical Co-ordination in Plants, Plants Hormones, Chemical co-ordination In Humans and Endocrine glands, Nervous coordination in Animals.	Gender, Religion & Cast	Comprehension & Active-Passive Voice	Direction Sense Test, Sitting arrangement, Ranking & Odering-Test
PT-6	Optics, Light, Nature of light Source of Light, Medium of Light, Behaviour of Light at the Interface of Two Media, Reflection of light, Laws of reflection, Types of reflection, Rectilinear propagation of light, Image, Image formation by plane mirror, Lateral Inversion, Types of mirror-spherical mirrors, Some terms related to spherical mirrors, Rules for the formation of images by concave and convex mirrors.	Carbon and its Compounds [Nomenclature - Introduction, Alkanes, Nomenclature of Alkenes, Alkynes, Compounds containing functional group, Practice of Nomenclature, Isomerism, Chemical properties of carbon compounds - combustion, oxidation, substitution reactions, Addition reactions, Burning of substance with or without smoky flame, some important carbon compounds- Ethanol (introduction, properties, Ethanol (some important terms, uses, harmful effects)]	Arithmetic Progressions, Coordinate Geometry	Reproduction (Asexual & Sexual reproduction in Plants and Animals)	Mineral & Energy Resources & Money & Credit, Popular Struggles & Movements	Comprehension, Ozymandias	Blood Relation-Test, Puzzle -Test, Venn Diagram, Syllogism, Analogy
PT-7	Convex Lens, Image formed by Convex Lens, Concave lens, Rules for the formation of images by Concave Lens, Image formed by Concave Lens, Power of a lens, Lens formula, Linear Magnification, Human Eye, Structure and Working of Human Eye, Power of Accommodation, Near Point and Far Point, Least Distance of Distinct Vision, Persistence of Vision, Colour-Blindness, Colour Perception of Animals, Cataract.	Carbon and Its Compounds (Complete)	Height and Distances, Circle	Lamarckism, Weismann, Neolamarckism, Darwinism or Theory of Natural selection, Evolution Speciation, Morphological Evidences of Evolution, Evidences of Evolution, Paleontological Evidences, Connecting Links, Human evolution, Environment, Ecosystem, Food Chain, Food Web, Ecological Pyramid, Ozone layer Depletion, Managing the Garbage we produce.	Money & Credit, Minerals & Energy Resources	Prepositions, Comprehension, Shady Plot	Classification, Logical Sequence of Words, Pyramid Test