



Achievers Comprehensive Course - PHASE CONTENT

11th

Phase	Physics	Chemistry (Physical)	Chemistry (IOG)	Chemistry (Organic)	Mathematics
I	"Physical World, Units, Measurement and Dimensions"	Mole Concept I and II	Periodic Properties	Nomenclature	Logarithmic
	Vectors & Elementary Calculus	Gaseous State	Chemical Bonding	Isomerism	Trigonometry phase-1
	Laws of Motion, Friction				
	Kinematics				
II		Atomic Structure		G.O.C	Quadratic Equation
	Work, Energy and Power	Redox and equivalent concept		Hydrocarbon	Sequence & Progression
	Circular Motion				Trigonometric Equation
	"Centre of Mass, Momentum, Collision"				Solution of Triangles
III	Rotation	Chemical equilibrium	"Hydrogen & s-block, p-block (B & C)Hydrogen & s-block, p-block (B & C)"		Straight Lines
	Calorimetry	Ionic Equilibrium			Circle
	Elasticity and Thermal expansion				Permutation & Combination
	Heat Transfer				Binomial Theorem
IV	KTG and Thermodynamics	Thermodynamics			Relation & Function
	Simple Harmonic Motion	Thermochemistry			Inverse Trigonometry Function
	Mechanical Waves				Determinant & Matrices
	Fluid Mechanics				

12th

Phase	Physics	Chemistry (Physical)	Chemistry (IOG)	Chemistry (Organic)	Mathematics
V	Electrostatics	"Chemical kinetics and Nuclear Chemistry"	Co-ordination Chemistry	"Halogen Derivatives, Grignard Reagents & Reaction"	Limit
	Gravitation				Continuity
	Current Electricity			"Alcohols & Ethers, Phenols (inc. carbene), Oxidation & Reduction + G3"	Derivability
					Method of Differentiation
					Indefinite Integral
					Definite Integral

Phase	Physics	Chemistry (Physical)	Chemistry (IOE)	Chemistry (Organic)	Mathematics
VI		Dilute Solutions, Electrochemistry	"Metallurgy, p-block (N, O, halogen and Noble gas)"	Aldehyde & Ketone	Application of Derivatives
	Capacitors			Nitrogen Containing Compounds, Nitrene	Vectors and 3D
	"Magnetic Effects of Current and Magnetism"			Carboxylic acids & derivatives	Probability
	"Electromagnetic Induction and Alternating Current"				Differential Equation
					Area Under the Curve
VII	Modern Physics	Solid state, Surface Chemistry	Salt analysis, d & f - block elements	Aromatic Chemistry	Parabola
	Geometrical Optics			Biomolecules Polymers	Ellipse
	Wave optics			Practical Organic Chemistry	Hyperbola
	Board related topics				Complex Number

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