IISER Pattern Part & Cumulative Tests

	PHYSICS	CHEMISTRY	BIOLOGY	MATHS
IPT - 1	Foundation Physics ; Units, Dimensions and Measurement ; Motion in One Dimension	Some Basic Concepts of Chemistry ; Structure of Atom ; Classification of Elements and Periodicity in Properties	The Living World ; Biological Classification ; Plant Kingdom ; Animal Kingdom ; Morphology of Flowering Plants	Sets ; Introduction to Relations and Functions ; Inequalities and Modulus ; Logarithm ; Theory of
IPT - 2	Motion in Two Dimensions ; Newton's Laws of Motion (Without Friction) ; Newton's Laws of Motion (With Friction)	Chemical Bonding and Molecular Structure ; General Organic Chemistry : Part 1	Anatomy of Flowering Plants ; Structural Organization in Animals ; Cell : The Unit of Life ; Cell Cycle and Cell Division ; Biomolecules	Trigonometric Ratios and Identities ; Trigonometric Equations ; Progression and Series ; Binomial Theorem ; Permutation
IPT - 3	Work, Power and Energy ; Centre of Mass, Conservation of Linear Momentum and Collisions	General Organic Chemistry : Part 2 ; Hydrocarbons	Transport in Plants ; Mineral Nutrition ; Photosynthesis in Higher Plants	Coordinate System and Straight Lines ; Circle
IPT - 4	Dynamics of Rigid Body : Part 1 ; Dynamics of Rigid Body : Part 2	States of Matter ; Thermodynamics	Respiration in Plants ; Plant Growth and Development ; Digestion and Absorption	Parabola ; Ellipse ; Hyperbola
IPT - 5	Foundation Physics ; Units, Dimensions and Measurement ; Motion in One Dimension ; Motion in Two Dimensions ; Newton's Laws of Motion (Without Friction) ; Newton's Laws of Motion (With Friction) ; Work, Power and Energy ; Centre of Mass, Conservation of Linear Momentum and Collisions ; Dynamics of Rigid Body : Part 1 ; Dynamics of Rigid Body : Part 2 ; Simple Harmonic Motion ; Waves and Acoustics ; Gravitation ; Mechanical Properties of Solids ; Mechanical Properties of Fluids	Some Basic Concepts of Chemistry ; Structure of Atom ; Classification of Elements and Periodicity in Properties ; Chemical Bonding and Molecular Structure ; General Organic Chemistry : Part 1 ; General Organic Chemistry : Part 2 ; Hydrocarbons ; States of Matter ; Thermodynamics ; Chemical Equilibrium ; Ionic Equilibrium ; s-Block Elements ; Hydrogen ; Environmental Chemistry ; Redox Reactions ; p-Block Elements (Group – 13, 14)	The Living World ; Biological Classification ; Plant Kingdom ; Animal Kingdom ; Morphology of Flowering Plants ; Anatomy of Flowering Plants ; Structural Organization in Animals ; Cell : The Unit of Life ; Cell Cycle and Cell Division ; Biomolecules ; Transport in Plants ; Mineral Nutrition ; Photosynthesis in Higher Plants ; Respiration in Plants ; Plant Growth and Development ; Digestion and Absorption ; Breathing and Exchange of Gases ; Body Fluids and Circulation ; Excretory Products and Their Elimination ; Locomotion and Movement ; Neural Control and Coordination ; Chemical Coordination and Integration	Sets ; Introduction to Relations and Functions ; Inequalities and Modulus ; Logarithm ; Theory of Equations ; Trigonometric Ratios and Identities ; Trigonometric Equations ; Progression and Series ; Binomial Theorem ; Permutation and Combination ; Coordinate System and Straight Lines ; Circle ; Parabola ; Ellipse ; Hyperbola ; Properties and Solutions of Triangle ; Matrices ; Determinants
IPT - 6	Thermal Properties of Matter ; Kinetic Theory of Gases and The Laws of Thermodynamics ; Geometrical Optics ; Electric Charges and Field ; Electrostatic Potential ; Capacitance ; Current Electricity : Part 1 ; Current Electricity : Part 2 ; Magnetics : Part 1	Solid State ; Solutions ; Electrochemistry ; Chemical Kinetics ; Surface Chemistry and Colloidal State ; Organic Compounds Containing Halogens ; Alcohols, Phenols and Ethers ; Aldehydes, Ketones and Carboxylic Acids ; Organic Compounds Containing Nitrogen	Reproduction in Organisms ; Sexual Reproduction in Flowering Plants ; Human Reproduction ; Reproductive Health ; Principles of Inheritance and Variation ; Molecular Basis of Inheritance ; Evolution ; Human Health and Diseases ; Strategies for Enhancement in Food Production ; Microbes in Human Welfare ; Biotechnology : Principles and Processes	Relations and Functions ; Inverse Trigonometric Functions ; Limit Continuity and Differentiability ; Differentiation ; Monotonicity, Maxima and Minima of Functions ; Application of Derivatives ; Indefinite Integration ; Definite Integration ; Area
IPT - 7	Magnetics : Part 2 ; Electromagnetic Induction : Part 1 ; Electromagnetic Induction : Part 2	General Principles and Processes of Isolation of Elements ; p-Block Elements (Groups 15 – 18) ; d- & f-Block Elements	Biotechnology and its Applications ; Organisms and Populations ; Ecosystem	Differential Equations ; Introduction to Probability ; Probability
IPT - 8	Wave Optics ; Electromagnetic Waves and Dual Nature of Radiation and Matter ; Modern Physics	Coordination Compounds ; Biomolecules ; Polymers ; Chemistry in Everyday Life ; Principles Related to Practical Chemistry	Biodiversity and Conservation ; Environmental Issues	Vectors ; Three-Dimensional Geometry ; Complex Numbers

IISER Pattern Full Syllabus Tests

	PHYSICS	CHEMISTRY	BIOLOGY	MATHS
IPT - 1	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 2	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 3	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 4	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 5	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 6	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 7	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 8	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 9	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus
IPT - 10	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus	Class 11 + 12 Full Syllabus

Other Competitive Pattern Tests Included in this Course

JEE ADVANCED	5 Part & Cumulative Tests	5 Full Syllabus Tests (11 + 12)
JEE MAIN	8 Part & Cumulative Tests	10 Full Syllabus Tests (11 + 12)
NEET	8 Part & Cumulative Tests	10 Full Syllabus Tests (11 + 12)
MHT-CET (PCM)	6 Part & Cumulative Tests	5 Full Syllabus Tests (11 + 12)
MHT-CET (PCB)	6 Part & Cumulative Tests	5 Full Syllabus Tests (11 + 12)