

IISER Pattern Part & Cumulative Tests

PHYSICS

CHEMISTRY

BIOLOGY

MATHS

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 ; Magnetism : 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

Magnetism : 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
JEE MAIN
NEET
MHT-CET (PCM)
MHT-CET (PCB)

3 Part & Cumulative Tests
4 Part & Cumulative Tests
3 Part & Cumulative Tests
2 Part & Cumulative Tests
2 Part & Cumulative Tests

5 Full Syllabus Tests (11 + 12)
10 Full Syllabus Tests (11 + 12)
10 Full Syllabus Tests (11 + 12)
5 Full Syllabus Tests (11 + 12)
5 Full Syllabus Tests (11 + 12)