

**[CODE: OB 02] Two Year (JEE Mains + Advanced) 2018-19**

**XI<sup>th</sup>**

Test No.	Test Pattern	Physics	Chemistry	Maths
PT-01 (NOV.)	MAINS	Basic Mathematics, Vectors, Unit, Dimension & Measurement, Kinematics	Mole Concept, Atomic Structure and Periodic Properties, Oxidation Reduction, Acid-Base Concept	Logarithm, Algebraic Inequality, Basic Mathematics, Modulus Function
PT-02 (NOV.)	MAINS	Law Of Motion & Friction, Work, Energy & Power	Chemical Bonding, Organic Nomenclature, Gaseous State	Trigonometric Ratios and Identities, Trigonometric Equations, Quadratic Equation, Sequence and Series
PT-03 (NOV.)	ADVANCED (ONE PAPER)	Basic Mathematics, Vectors, Unit, Dimension & Measurement, Kinematics, Law Of Motion & Friction	Mole Concept, Atomic Structure and Periodic Properties, Oxidation Reduction, Acid-Base Concept, Chemical Bonding, Organic Nomenclature, Gaseous State	Logarithm, Algebraic Inequality, Basic Mathematics, Modulus Function, Trigonometric Ratios and Identities, Trigonometric Equations, Quadratic Equation, Sequence and Series
PT-04 (DEC.)	MAINS	Centre of mass & collision, Rotational Motion	GOC, Hydrogen, Chemical Equilibrium, s-Block Elements	Straight Line, Solution of Triangle, Height and Distance Complex No., Graph, Function, Sets, Relation, Statistics, Mathematical Reasoning
PT-05 (DEC.)	MAINS	Thermal Physics (Thermal expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics), Properties of Matter & Fluid Mechanics, Gravitation	Isomerism, Ionic Equilibrium, Aluminium Family, Carbon Family	Circle, Binomial Theorem, Permutation and Combination Limit
PT-06 (DEC.)	ADVANCED (ONE PAPER)	Work, Energy & Power, Centre of mass & collision, Rotational Motion, Thermal Physics (Thermal expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics)	GOC, Hydrogen, Chemical Equilibrium, s-Block Elements, Isomerism, Ionic Equilibrium, Aluminium Family, Carbon Family	Straight Line, Solution of Triangle, Height and Distance Complex No., Graph, Function, Sets, Relation, Statistics, Mathematical Reasoning, Circle, Binomial Theorem, Permutation and Combination Limit
PT-07 (JAN.)	MAINS	Simple Harmonic Motion (SHM), Wave (String & Sound Wave)	Thermo Chemistry, Hydro Carbon and Environmental Chemistry, Aromatic Hydrocarbon	Parabola, Ellipse and Hyperbola
PT-08 (JAN.)	ADVANCED (ONE PAPER)	Properties of Matter & Fluid Mechanics, Gravitation, Simple Harmonic Motion (SHM), Wave (String & Sound Wave)	Chemical Bonding, Organic Nomenclature, Gaseous State, Mole Concept, Atomic Structure and Periodic Properties, Oxidation Reduction, Acid-Base Concept	Parabola, Ellipse and Hyperbola
FLT-09 (JAN.)	ADVANCED (ONE PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-10 (JAN.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-11 (FEB.)	ADVANCED (ONE PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-12 (FEB.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-13 (FEB.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-14 (MAR.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS

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**XII<sup>th</sup>**

Test No.	Test Pattern	Physics	Chemistry	Maths
PT-01 (NOV.)	MAINS	Electrostatics, Current Electricity	Solid State, Chemical Kinetics, Alkyl Halide and Halo Arenes	Determinants and Matrices, Continuity, Differentiability, Differentiation
PT-02 (NOV.)	MAINS	Properties of Matter & Fluid Mechanics, Magnetic Effect of Current, Magnetism and Matter	Co-ordinative compounds, d-and f-block, Elements Electrochemistry, Alcohol, Grignord Reagents	Application of Derivatives, Indefinite Integral
PT-03 (NOV.)	ADVANCED (ONE PAPER)	Electrostatics, Current Electricity, Properties of Matter & Fluid Mechanics, Magnetic Effect of Current, Kinematics, Laws of Motion & Function	Solid State, Chemical Kinetics, Alkyl Halide and Halo Arenes, Co-ordinative compounds, d-and f-block, Elements Electrochemistry, Alcohol, Grignord Reagents	Determinants and Matrices, Continuity, Differentiability, Differentiation, Application of Derivatives, Indefinite Integral, Logarithm, Algebraic Inequality, Basic Mathematics, Modulus Function
PT-04 (DEC.)	MAINS	Electromagnetic Induction (EMI), Alternating Current (AC)	Liquid Solution, 15 – 18 <sup>th</sup> Group Elements, Analytical Chemistry	Definite Integral, Area
PT-05 (DEC.)	MAINS	Ray Optics & Optical Instrument, Wave Optics (Nature of Light, Interference, Diffraction & Polarisation)	Metallurgy Carbonyl Compound, Corboxylic Acid Amines	Vectors, Three Dimensional Geometry
PT-06 (DEC.)	ADVANCED (ONE PAPER)	Magnetism and Matter, Electromagnetic Induction (EMI), Alternating Current (AC), Ray Optics & Optical Instrument, Wave Optics (Nature of Light, Inerference, Diffraction & Polarisatio), Work, Energy & Power, Centre of Mass & Collision, Rotational Motion, Thermal Physics (Thermal expansion, Calorimetry, Heat Transfer, KTG & Thermodynamics)	Liquid Solution, 15 – 18 <sup>th</sup> Group Elements, Analytical Chemistry, Metallurgy Carbonyl Compound, Corboxylic Acid Amines	Definite Integral, Area, Vectors, Three Dimensional Geometry, Trigonometric Ratios and Identities, Trigonometric Equations, Quadratic Equation, Sequence and Series
PT-07 (JAN.)	MAINS	Modern Physics, Practical Physics, Electronics & Communication System	Bio Modecules, Surface Chemistry, Polymer Chemistry in Every Day Life, Qualitative Analysis	Probability, Differential Equation
PT-08 (JAN.)	ADVANCED (ONE PAPER)	Electromagnetic Waves, Modern Physics, Practical Physics, Electronics & Communication System, Properties of Matter & Fluid Mechanics, Kinematics, Simple Harmonic Motion (SHM), Wave (String & Sound Wave)	Bio Modecules, Surface Chemistry, Polymer Chemistry in Every Day Life, Qualitative Analysis, Solid State, Chemical Kinetics, Alkyl Halide and Halo Arenes	Probability, Differential Equation, Circle, Binomial Theorem, Permutation and Combination Limit, Parabola, Ellipse and Hyperbola, Straight Line, Solution of Triangle, H eight and Distance Complex No., Graph, Function, Sets, Relation, Statistics, Mathematical Reasoning
FLT-09 (FEB.)	ADVANCED (TWO PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-10 (FEB.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-11 (FEB.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-12 (FEB.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-13 (MAR.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-14 (MAR.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-15 (MAR.)	MAINS	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-16 (APR.)	ADVANCED (TWO PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS

FLT-17 (APR.)	ADVANCED (TWO PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-18 (APR.)	ADVANCED (TWO PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-19 (MAY)	ADVANCED (TWO PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
FLT-20 (MAY)	ADVANCED (TWO PAPER)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS