

SYLLABUS FOR JEE-MAIN MOCK EXAMINATION

<u>JEE-MAIN PART TEST</u>	<u>PHYSICS</u>	<u>CHEMISTRY</u>	<u>MATHS</u>
<u>P.T (I)</u>	VECTORS AND BASIC MATHEMATICS, KINEMATICS, NLM AND FRICTION	MOLE CONCEPT, REDOX REACTION, STATES OF MATTER, STRUCTURE OF ATOM	SET, RELATION & FUNCTION, MATHEMATICAL REASONING, LINEAR INEQUALITIES, QUADRATIC EQUATIONS
<u>P.T (II)</u>	WORK POWER ENERGY, SYSTEM OF PARTICLES, ROTATION	CHEMICAL EQUILIBRIUM, IONIC EQUILIBRIUM, THERMODYNAMICS, SURFACE CHEMISTRY	TRIGONOMETRIC FUNCTIONS, TRIGONOMETRIC EQUATIONS, INVERSE TRIGONOMETRIC FUNCTIONS, HEIGHTS AND DISTANCES
<u>P.T (III)</u>	PROPERTIES OF MATTER (SOLIDS ,FLUIDS),GRAVITATION ,SHM	SOLID STATE, SOLUTION AND COLLIGATIVE PROPERTIES, CHEMICAL KINETICS, ELECTROCHEMISTRY	MATHEMATICAL INDUCTION, PERMUTATION AND COMBINATION, BINOMIAL THEORM, STATISTICS AND PROBABILITY
<u>P.T (IV)</u>	ELECTROSTATICS, CAPACITORS, CURRENT ELECTRICITY ,MAGNETISM EMI, AC	NOMENCLATURE, ISOMERISM, GOC, HYDROCARBON	COMPLEX NUMBER, SEQUENCE AND SERIES, MATRICES AND DETERMINANTS
<u>P.T (V)</u>	WAVES AND SOUND	PERIODIC TABLE AND PERIODIC PROPERTIES, CHEMICAL BONDING , HYDROGEN, S-BLOCK, BORON AND CARBON FAMILY	CO-ORDINATE GEOMETRY, STRAIGHT LINES, CIRCLE, PARABOLA, ELLIPSE, HYPERBOLA
<u>P.T (VI)</u>	RAY OPTICS, WAVE OPTICS, OPTICAL INSTRUMENTS, DIFFRACTION, POLARISATION	D AND F BLOCK, P BLOCK, CO-ORDINATION CHEMISTRY, METALLURGY	FUNCTION, LIMIT & CONTINUITY DIFFERENTIABILITY, DIFFERENTIATION, APPLICATION OF DERIVATIVE
<u>P.T (VII)</u>	HEAT (EXPANSIONS, CALORIMETRY, HEAT TRANSFER) THERMODYNAMICS(KTG, THERMO DYNAMICAL PROCESSES) 2ND LAW OF THERMODYNAMICS, HEAT ENGINES	ALKYIHALIDE, ARYLHALIDE, ALCOHOL, ETHER AND PHENOL, ALDEHYDE AND KETONE, CARBOXYLIC ACID	INDEFINITE INTEGRALS, DEFINITE INTEGRALS, APPLICATION OF DEFINITE INTEGRALS, DIFFERENTIAL EQUATION
<u>P.T (VIII)</u>	MODERN PHYSICS(BOHR'S ATOMIC MODEL, X RAYS, PEE, NUCLEAR PHYSICS),SEMI CONDUCTOR DEVICES AND COMMUNICATION SYSTEM	AMINES, BIOMOLECULES, POLYMER, CHEMISTRY IN EVERYDAY LIFE, ENVIRONMENTAL CHEMISTRY	VECTORS, 3-D, LINE, PLANE

P.T (IX)	XI GRADE SYLLABUS	XI GRADE SYLLABUS	XI GRADE SYLLABUS
P.T (X)	XII GRADE SYLLABUS	XII GRADE SYLLABUS	XII GRADE SYLLABUS
F.T (XI)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
F.T (XII)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
F.T (XIII)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
F.T (XIV)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS
F.T (XIV)	FULL SYLLABUS	FULL SYLLABUS	FULL SYLLABUS